BEHALA COLLEGE

Affiliated to the University of Calcutta

NAAC accredited with "A++" grade

Ranks among top 20 Degree Colleges in India

List of Research and Publications

List of Research and Publications

Science

LIST OF PUBLICATIONS FOR SCIENCE FACULTY

- **Department Of Chemistry (UG & PG)**

Name of the Faculty member: Dr.Sukla Maiti (Jana)

In Journals

1. Correlation of Substituent Effect on Carbon – 13 NMR Chemical Shift of Side Chain Carbons in 5-Aryl-2E,4E-pentadienoic acid derivatives by Taft DSP equation. Avijit Banerji, Tapasree Banerji (ne'e Ghosh), Ratna Sengupta, Piyali Sengupta, SuklaMaiti, K. K. Banerji and S. Gupta; J. Ind. Chem. Soc., 2001, 78,739-741. (I.F. 0.283)
2. Part V. Reaction of Single Electron Transfer Reagent: Reaction of Coumarin and 4-Methylcoumarin with Sodium Naphthalenide, Avijit Banerji, Jyoti Nath Paul, Sukla Maiti (ne'e Jana) and Kumar Ranabir Sur; Lnd. J. Chem. ,1994, 53B, 576- 578.
3. Studies on SET Reagents Part – IV. Reaction of Nitrogen Heterocycles with Sodium Naphthalenide, Avijit Banerji and SuklaMaiti (nee Jana); Tetrahedron, 1994, 50, 9079-9096. (I.F. 2.1)
4. Reaction of Sodium Naphthalenide with N-methyloxindole under Aprotic conditions; Avijit Banerji and SuklaMaiti (ne'e Jana), Indian J. Chem. 1994, 33B, 532-539. (I.F. 0.412)
5. Antifertility Effect of Piper Betle Linn. (Stalk) in Adult Male Rats; A. Chatterjee, P. Adhikari, J. Banerji, D. Choudhury, S. Jana and A. Sen. Gupta; J. Ind. Chem. Soc. 1994, 71, 81-84. (I.F. 0.283)
6. Part – II. Reaction Single Electron-Transfer Reagent: Reaction of Isoquinoline with Sodium Naphthalenide; A. Banerji and S. Maiti (nee Jana); Ind. J. Chem., 1993, 32B, 889- 891. (I.F. 0.412)
7. Structure and Synthesis of Aurantiamide Benzoate – a modified dipeptide; A. Banerji, R. Ray (ne'e Das), D. Bandyopadhyay, S. Basu (nee Sinha), S. Jana, A. Bose (Late) and P. L. Majumder; Ind. J. Chem.; 1993, 32B, 776-778. (I.F. 0.412)
8. The Structure and Stereochemistry of D (+) Pinitol, Application of 2D NMR Spectroscopy; D. N. Mondal, B. R. Barik, A. K. Dey, A. B. Kundu, Avijit Banerji and Sukla Maiti (ne'e Jana); J. Ind. Chem. Soc. ,1993, 70, 651-652. (I.F.0.412)
9. Pregnancy Interceptive Effect of Piper Betle, D. Chowdhury, P. Adhikari, J. Banerji, S. Jana, S. R. Mukherjee and A. Chatterjee; Fitoterapia, Vol. LXXII, N5, 1991, 397-401. (I.F.0.385)
10. Chemical Investigation of Alstoniacongensis Engl. – Isolation of Rhazine, Avijit Banerji and Sukla Jana; J. Ind. Chem. Soc., 1986, 63, 449-450(I.F.0.243)
11. Chemical Investigation of Alstoniacongensis Engl. – Isolation of Rhazine, Avijit Banerji and Sukla Jana; J. Ind. Chem. Soc., 1986, 63, 449-450(I.F.0.243)

In Conference Proceedings

1. Diastereoselective Reductive Dimerisation using Sodium Naphthalenide – A Single Electron Transfer (SET) Reagent; A. Banerji, K. R. Sur, SuklaMaiti (ne'e Jana) and J. N. Paul; Proceedings of the National Seminar on Chemical Reactivity: Recent Trends, Journal of the Department of Chemistry, Gauhati University, 1994, Vol. 1, pp. 19-26.

Name of the Faculty member: Dr. Ujjal Kumar Sur

In Journals

1. Ujjal Kumar Sur and V. Lakshminarayanan, "Effect of bulk structure of some non aqueous solvents on the barrier properties of alkanethiol monolayer",*J. Electroanal. Chem.,* 516, December 2001, p 31-38 (I.F.1.221)
2. Ujjal Kumar Sur and V. Lakshminarayanan, "Existence of a Hydrophobic Gap at the Alkanethiol SAM-Water Interface: An Interfacial Capacitance Study", *Journal of Colloid and Interface Science,* 254, 15 OCTOBER 2002, p 410-413 (I.F.0.422)
3. Ujjal Kumar Sur and V. Lakshminarayanan, "Cyclic voltammetric and electrochemical impedance studies on the structure, adsorption kinetics and barrier properties of some organic dithiol self–assembled monolayers on gold", *Journal of Colloid and Interface Science*, 266, OCTOBER 2003, p 175-182(I.F.0.422)
4. V.Lakshminarayanan and Ujjal Kumar Sur, "Hydrophobicity induced drying transition in alkanethiol Self-Assembled Monolayer-water interface", *Pramanajournal of physics, Vol 61, No2,* AUGUST 2003, p 361-371(I.F.0.202)
5. Ujjal Kumar Sur and V. Lakshminarayanan, "A study of the hydrophobic properties of alkanethiol self-assembled monolayers prepared in different solvents", *J. Electroanal. Chem. 565,* April 2004, p 343-350(I.F.1.421)
6. Ujjal Kumar Sur, "Chemical bond formation at atomic and molecular scale by STM", *CURRENT SCIENCE*, 79, 10 JULY 2000(I.F.0.567)
7. Ujjal Kumar Sur, "Behaviour of water at the nanoscale", *CURRENTSCIENCE*, 82, 25 MARCH 2002(I.F.0.567)
8. Ujjal Kumar Sur and V. Lakshminarayanan, "Study of Electron transfer kinetics on SAM of Alkanethiol formed in non-aqueous solvents", *Proc.of seventh International Symposium on Advances in Electrochemical Science and Technology, SAEST, CECRI, INDIA,* 27-29 November, Chennai, 2002, Volume 1, p B1-B4(1.220)
9. Ujjal Kumar Sur and V. Lakshminarayanan, "STM, FT-IR, and Electrochemical Impedance Spectroscopic studies on the Permeability of Alkanethiol SAMs", *Proc.of seventh International Symposium on Advances in Electrochemical Science and Technology, SAEST, CECRI, INDIA,* 27-29 November, Chennai, 2002, Volume 1, p B24-B27(I.F.1.220)
10. Ujjal Kumar Sur, Frank Marken, N.Rees, B.A.Coles, R.G.Compton, and R.Seager, "Microwave Enhanced Electrochemistry: Mass Transport Effects and Steady State Voltammetry in the Sub-Millisecond Time Domain", *J.Electroanal. Chem., 573,* 2004, p 175-182(I.F1.421)
11. Ujjal Kumar Sur, Frank Marken, R.Seager, J.S.Foord, A.Chatterjee, B.A.Coles, and R.G.Compton, "Microwave Activation of Redox processes at Glassy carbon and Boron-Doped Diamond Electrodes", *Electroanalysis,* 17(5-6) 2005, p 385-391(I.F.2.138)

12. Ujjal Kumar Sur, Frank Marken, B.A.Coles, R.G.Compton, and J.Dupont, "Microwave Activation in Ionic Liquids induces high temperature- high speed electrochemical processes", *Chemical Communications,* 2004, p 2816-2817(I.F.5.345)
13. Ujjal Kumar Sur, Frank Marken, B.A.Coles, and R.G.Compton, "Microwave Effects on the Electrochemical deposition of copper", *New.J.Chem.,*2004,V 28, p 1544-1549 (I.F.2.196)
14. Frank Marken, Ujjal Kumar Sur, B.A.Coles, and R.G.Compton, "Focused Microwaves in Electrochemical Processes", *Electrochimica Acta,*2006, 51, p 2195-2203(I.F.2.895)
15. Sajal Biring, K.T.Tsai, Ujjal Kumar Sur, and Yuh-Lin Wang, "Electrochemically replicated smooth aluminum foils for anodic alumina nanochannel arrays", *Nanotechnology,* 2008, V 19, p 015304-015308 (I.F3.593)
16. Ujjal Kumar Sur, "World's first single carbon nanotube radio", *CURRENT SCIENCE*, 94, 25 JANUARY 2008, p 166-167(I.F.0.662)
17. Sajal Biring, K.T.Tsai, Ujjal Kumar Sur*, and Yuh-Lin Wang, "High speed fabrication of aluminum nanostructures with 10 nm spatial resolution by electrochemical replication". Nanotechnology, 2008, V 19, p355302-355305(I.F.3.593)
18. Ujjal Kumar Sur*, "Nature's strongest glue: A potential alternative to commercial super glue", *CURRENT SCIENCE*, 94, 25 JUNE 2008, p 1563-1564(I.F.0.662)
19. Feng-Ru Fan, Adel Attia, Ujjal Kumar Sur, Jian-Bin Chen, Zhong-Xiong Xie, Jian-Feng Li, Bin Ren, and Zhong-Qun Tian "An effective strategy for Room-Temperature synthesis of single-crystalline palladium nanocubes and nanodendrites in aqueous solution". *Crystal growth & Design*, 2009, Vol 9, p 2335-2340(I.F.4.651)
20. Ujjal Kumar Sur "Electrochemical effect of electrostatic charges at insulators",*CURRENT SCIENCE*, 98, 10 APRIL 2010, p 891(I.F.0.692)
21. Ujjal Kumar Sur "Surface-Enhanced Raman Spectroscopy: Recent Advancement of Raman Spectroscopy" RESONANCE, February 2010, p 154- 164(I.F.0.091)
22. Ujjal Kumar Sur "Stimuli-responsive bio-inspired synthetic polymer nanocomposites" *CURRENT SCIENCE*, 98, 25 JUNE 2010, p 1562-1563(I.F.0.692)
23. AnWang, Yi-Fan Huang, Ujjal Kumar Sur, De-Yin Wu, Bin Ren, Sandra Rondinini, Christian Amatore and Zhong-Qun Tian "*In Situ* Identification of Intermediates of Benzyl Chloride Reduction at a Silver Electrode by SERS Coupled with DFT Calculations" Journal of American Chemical Society, 2010, *132* (28), p 9534–9536 (I.F.9.407)
24. Ujjal Kumar Sur "Direct observation of chemical reactions on single gold nanocrystals using surface plasmon spectroscopy" *CURRENT SCIENCE*, 99, 25 NOVEMBER 2010, p 1315(I.F.0.692)
25. Ujjal Kumar Sur "A near-infrared light photosynthetic pigment" *CURRENTSCIENCE*, 100, 10 February 2011, p 286-287(I.F.0.692)
26. Ujjal Kumar Sur "Lunar Water" *CURRENT SCIENCE,* 100, 10 March 2011, p 616-617(I.F.0.692)
27. Ujjal Kumar Sur "Application of nanoparticles in electroanalysis" *Nano Science & Nano Technology: An Indian Journal*, 5, 2011, p 51-58(I.F.1.334)
28. Ujjal Kumar Sur "Homeopathic Treatments based on Nanotechnology?" *CURRENT SCIENCE,* 100, 10 April 2011, p 977-978(I.F.0.692)
29. Ujjal Kumar Sur "Electrochemistry with boron-doped diamond electrodes". *Research and Reviews in Electrochemistry*, 3, 2012, p 20-25 (I.F.0.632)
30. Ujjal Kumar Sur "Capillary force induced Tuning of Suspension Rheology" *CURRENT SCIENCE,* VOL. 100, NO. 9, 10 MAY 2011, p 1283-1284(I.F.0.692)
31. Ujjal Kumar Sur "Supercapacitors or Electrochemical Capacitors: New energy storage device and alternative to battery". *Materials Science: An Indian. Journal*, 8, 2012, p 44-52(I.F.3.522)
32. Ujjal Kumar Sur, A.Dhason, V.Laxminarayanan, "A simple and low-cost ultramicroelectrodes fabrication and characterization method for undergraduate students." *Journal of Chemical Education (ACS publication)*, 2012, Vol. 89, p 168-172(I.F.0.512)

33. Ujjal Kumar Sur "Bismuth Electrode: An extremely promising alternative to Electrochemical Stripping Analysis". Research and Reviews in Electrochemistry, 3, 2012, p 90-93. (I.F.0.632)
34. A.Paul, M. Das, Ujjal Kumar Sur, D.Mukherjee and H. Saha. "Low cost supercapacitors based on activated carbon coated lead as electrode material" Proceedings of International Conference on Advances in Energy Research (ICAER-2011), December 9-11, 2011, IIT Bombay, Mumbai
35. Ujjal Kumar Sur "A lithium superionic conductor as a new solid-state battery electrolyte" *CURRENT SCIENCE,* VOL. 101, NO. 9, 10 November 2011, p 1129-1130
36. Ujjal Kumar Sur "Effect of pH on the barrier properties of 11-mercapto undecanoic acid and 4-amino thiophenol SAMs on gold". Research and Reviews in Electrochemistry, 3, 2012, p 144-149 (I.F.0.632)
37. Ujjal Kumar Sur "Efficient storage of hydrogen fuel in formic acid using an active iron-based catalytic system" *CURRENT SCIENCE,* VOL. 102, NO. 3, 10 February 2012, p 384(I.F.0.692)
38. Balaprasad Ankamwar, Gopa Mandal, Ujjal Kumar Sur and Tapan Ganguly, "An Effective Biogenic Protocol for room temperature one step synthesis of defective nanocrystalline silver nanobuns using leaf extract". Digest Journal of Nanomaterials and Biostructures, 7, April-June 2012, p 599-605(I.F.1.469)
39. Ujjal Kumar Sur, Gopa Mandal and Tapan Ganguly, "Physicochemical characterization of *Swarna Bhasma*: A micro/nanoparticle used in traditional *Indian* medicine". Nanoscience & Nanotechnology: An Indian Journal, 6, 2012, p 104-107 (I.F.1.334)
40. Gopa Mandal, Amrita Chakraborty, Ujjal Kumar Sur, BalaprasadAnkamwar, Asish De and Tapan Ganguly, "Synthesis, characterization, photophysical properties of a novel organic photoswitchable dyad in its pristine and hybrid nanocomposite forms". Journal of Nanoscience& Nanotechnology, V 12, P 4591-4600, June 2012.(I.F.3.334)
41. Ujjal Kumar Sur "Graphene: A rising star on the horizon of Materials Science".Internationaljournal of Electrochemistry, Hindawi Publications, special issue on Impact of Nanomaterials and Surface Enhanced Raman Spectroscopy (SERS) in Electrochemical Research, 2012, doi:10.1155/2012/237689
42. Ujjal Kumar Sur, "Graphene: The two-dimensional carbon nanomaterial," Nanoscience & Nanotechnology: An Indian Journal, 7, 2013, p 156-161(1.335)
43. Ujjal Kumar Sur, "Surface-enhanced Raman scattering (SERS) spectroscopy: a versatile tool in electrochemistry," Research and Reviews in Electrochemistry, 3, 2013, p 109-116(i.f.0.632)
44. Ujjal Kumar Sur and Joydeep Chowdhury, "Surface-enhanced Ramanscattering(SERS): Overview of a versatile technique used in Electrochemistry and Nanoscience" Current Science (Review article) Vol. 105, 10 th October 2013, p 923-939(I.F.0.692)
45. Ujjal Kumar Sur* "Surface-enhanced Raman scattering (SERS) Spectroscopy: A versatile spectroscopic and analytical technique used in Nanoscience and Nanotechnology," Advances in Nano Research, Vol. 1, No. 2, 2013, p 111-124(I.F3.335)
46. Ujjal Kumar Sur "Imaging of organic and biological materials by in-focus transmission electron microscopy" *CURRENT SCIENCE,* Vol. 106, No. 1, 10 January 2014, p 17-19(I.F.0.692)
47. Ujjal Kumar Sur* "Biological green synthesis of gold and silver nanoparticles", Advances in Nano Research, Vol. 2, No. 3, 2014, p 135-145(I.F.1.22)
48. Ujjal Kumar Sur*, Abhijit Saha, Aparna Datta, Balaprasad Ankamwar, Farah Surti, Sannak Dutta Roy and Debasish Roy, "Synthesis and Characterization of stable aqueous dispersions of

Graphene". Bulletin of Materials Science (Springer) Vol. 39, No. 1, February 2016, p 159-165(I.F.0.943)

49. Ujjal Kumar Sur* "Self-Assembled Monolayers (SAMs) of Organic Thiols: AnOverview. Journal of Advanced Studies, Volume 1, January 2015, p 14-20(I.F.0.278)
50. BalaprasadAnkamwar, MrunaliGharge and Ujjal Kumar Sur, "Photocatalytic Activity of Biologically synthesized Silver nanoparticles using Flower extract". Advanced Science, Engineering and Medicine, June 2015, Vol. 7, p 480-484
51. BalaprasadAnkamwar, MrunaliGharge and Ujjal Kumar Sur, "Photocatalytic and Surface-Enhanced Raman Scattering (SERS) activity of Biosynthesized Anisotropic Gold Nanoparticles". Advanced Science, Engineering and Medicine, August 2015, Vol. 7, p 717-721
52. BalaprasadAnkamwar, Pulak Das and Ujjal Kumar Sur*,"Graphene–gold nanoparticle-based nanocomposites as an electrode material in supercapacitors" Indian Journal of Physics, 2016, Vol. 90, p. 391-397, DOI 10.1007/s12648-015-0765-x(I.F.0.988)
53. Ujjal Kumar Sur* "Raman spectroscopic findings of new molecular phase in hot dense hydrogen, "CURRENT SCIENCE, Vol. 109, No. 7, 10 October 2015, p 1226-1227(I.F.0.699)
54. BalaprasadAnkamwar, Sachin Pansare and Ujjal Kumar Sur"Centrifuge controlled shape tuning of biosynthesized gold nanoparticles obtained from *Plumbago zeylanica* plant extract,"Journal of Nanoscience and Nanotechnology, 2017, Vol. 17, p 1041-1045(I.F.1.483)
55. *BalaprasadAnkamwar, Prachi Kour, Ujjal Kumar SurandTapan Ganguly"Spontaneous Shape Transformation of Capsular Silver Microcrystals into Defective Nanocrystals in Aqueous Solution," Journal of Nanoscience and Nanotechnology, 2017, Vol. 17, p 3122-3129(I.F.1.483)*
56. BalaprasadAnkamwar, Ujjal Kumar Sur* and Pulak Das "SERS study of bacteria using biosynthesized silver nanoparticles as SERS substrate," Analytical methods (RSC), 2016, Vol. 8, p 2335-2340.(I.F.1.915)
57. BalaprasadAnkamwar, Vaishali Kamble, Ujjal Kumar Sur and Chittaranjan Santra "Spectrophotometric Evaluation of Surface Morphology Dependent CatalyticActivity of Biosynthesized Silver and Gold Nanoparticles using UV-visible spectra: A comparative Kinetic study" Applied Surface Science (Elsevier), 2016, Vol. 366, p 275-283(I.F.3.61)
58. Ujjal Kumar Sur* "Onions can bend, contract and elongate just like muscles" CURRENT SCIENCE, Vol. 110, No. 6, 25 March 2016, p 967-968(I.F.0.699)
59. Ujjal Kumar Sur*and BalaprasadAnkamwar"Optical, dielectric, electronic and morphological study of biologically synthesized zinc sulphide nanoparticles using Moringa oleifera leaf extract and quantitative analysis of chemical components present in the leaf extract" RSC Adv., 2016, Vol. 6, p 95611–95619(I.F.0.889)
60. BalaprasadAnkamwar, Ujjal Kumar Sur, Manjunath Salgaonkar, and Loka Subramanyam Sarma "Room Temperature Biosynthesis of Highly Stable Triangular and Hexagonal Shaped SilverNanoparticles Using *Cordia myxa* Fruit Extract," Adv. Sci. Eng. Med., 2016, Vol. 8, p 868–874(I.F.0.632)
61. BalaprasadAnkamwar, Manjunath Salgaonkar, and Ujjal Kumar Sur "Room Temperature Green Synthesis of Anisotropic Gold Nanoparticles Using Novel Biological Fruit Extract,"Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry (Taylor and Francis), 2017, Vol. 47, p 1359–1363(I.F.0.631)
62. Renuka Bhor, Rohit Kumar Gupta, Ujjal Kumar Sur, Kalpana Pai, and BalaprasadAnkamwar "Synthesis of Hydroxyapatite and Study on Their Anti-Proliferative and Cytotoxic Effect Against

Human Lung, Cervical Cancer and Normal Human Cells," Adv. Sci. Eng. Med., 2017, Vol. 9, p 445-452(I.F.0.632)

63. Soumav Nath, Ashik Biswas, Prachi P. Kour, Loka S. Sarma, Ujjal Kumar Sur*, and Balaprasad G. Ankamwar "Synthesis of Mesoporous Nanocrystalline Zirconia *by Surfactant-Assisted Hydrothermal Approach,Journal of Nanoscience and Nanotechnology, 2018*Aug 1;18(8):5390-5396. doi: 10.1166/jnn.2018.15362 (I.F.1.334)
64. Ujjal Kumar Sur*, BalaprasadAnkamwar, Sanat Karmakar, Animesh Halder, Pulak Das, "Green synthesis of Silver nanoparticles using the plant extract of Shikakai and Reetha," Materials Today: Proceedings, 2018, Vol. 5, p 2321-2329 (I.F.1.09)
65. A. Esakkiammal, A. Malathi,Ujjal Kumar Sur*, BalaprasadAnkamwar, "Honey mediated Green synthesis of Photoluminiscent Zinc Sulphide nano/micro particles," Res. Med. Eng. Sci., 2018(I.F.0.985)
66. Ujjal Kumar Sur*, Amar Ghosh, "Rapid culture free Pathogen detection using SERS technique," Asian Journal of Physics, Vol. 27, Nos 7 & 8 (2018) 423-433 (I.F.1.325)
67. Ujjal Kumar Sur*, "Imaging of atoms with a low-cost home made Scanning TunnelingMicroscope," Asian Journal of Physics, Vol. 29, No 4 (2019) 251- 258 (I.F.1.325)
68. S. Kulkarni, S. Gharpure, Ujjal Kumar Sur* and B. Ankamwar, "Hydrothermal biosynthesis of chromium sulphide nanoparticles using egg yolk and its catalytic activity in degradation of dyes," Nano Express, Vol. 1, No. 1, (2020) 010019 (I.F.0.328)
69. BalaprasadAnkamwar, Ujjal Kumar Sur, "Copper micro/nanostructures as effective SERS active substrates for pathogen detection", Advances in Nano Research, Vol 9, No 2 (2020) 113-122(I.F.10.33)
70. Ujjal Kumar Sur*, Amar Ghosh, "Biosynthesis of Metal Nanoparticles from Plant Extract," Chemical Axis, 2021, Vol.21, No.2, ISSN 2249-8842, 1-13 (I.F.2.283)

In Conference Proceedings:

1. Ujjal Kumar Sur, Frank Marken, B.A.Coles, R.G.Compton, and R.Seager, "Microwave Activation of Electrochemical Processes",*Proc.of ninth International Conference on Microwave and Radiofrequency Heating, University of Loughborough, UNITED KINGDOM*, September 1-5 2003, Eds: J.Binner, p 409-412.
2. Ujjal Kumar Sur "Recent Advancement in Surface Enhanced Raman Scattering (SERS) Spectroscopy" Proceedings of UGC sponsored National Seminar on Modern Trends in Spectroscopy:It's Application in Chemistry & Biology, organized by Maulana Azad College, 3-4 Febraury, 2011, p 61-67
3. Ujjal Kumar Sur "The Wondrous World of Nanoscience and Nanotechnology" Proceedings of National Symposium on Trends in Nanoscience and Related Areas, December 9-10, 2010, organized by Department of Chemistry, Behala College, Kolkata-60
4. Ujjal Kumar Sur "Behaviour of Water at the Nanoscale" Proceedings of National Symposium on Trends in Nanoscience and Related Areas, December 9-10, 2010, organized by Department of Chemistry, Behala College, Kolkata-60
5. Ujjal Kumar Sur* "Behaviour of Water at the Nanoscale" Proceedings of National Symposium on Trends in Nanoscience and Related Areas, December 9-10, 2010, organized by Department of Chemistry, Behala College, Kolkata- 60
6. Ujjal Kumar Sur*"Recent Advancement in Surface Enhanced Raman Scattering (SERS) Spectroscopy" Proceedings of UGC sponsored National Seminar on Modern Trends in

Spectroscopy:It's Application in Chemistry & Biology, organized by Maulana Azad College, 3-4 February, 2011, p 61-67.

7. A. Paul, M. Das, Ujjal Kumar Sur, D.Mukherjee and H. Saha. "Low-cost supercapacitors based on activated carbon coated lead as electrode material" Proceedings of International Conference on Advances in Energy Research (ICAER-2011), December 9-11, 2011, IIT Bombay, Mumbai
8. Ujjal Kumar Sur *, Joydeep Chowdhury, Tapan Ganguly, "Recent Advancement in Surface Enhanced Raman Scattering (SERS) Spectroscopy", Proceedings of the National conference on Advances in Lasers and Spectroscopy (ALS-2012) 01-03 November, 2012, Indian School of Mines (ISM) Dhanbad, India, Editors: V. K. Rai, P. Mishra and K. Kumar, Allied Publishers, ISBN: 978-81-8424-806-7, p 65-71
9. Ujjal Kumar Sur* &BalaprasadAnkamwar, "Green Synthesis of Metal Nanoparticles with Environmental issues", Proceedings of the UGC-sponsored State level Seminar on Environmental Pollution: Causes, Impacts & Control, organized by The Bhawanipur Education Society College, Kolkata, April 25, 2015.*Coherence*, December 2015, ISBN No. 978-81-930092-6-0,Vol. 1, Issue 2, p 57-64
10. Ujjal Kumar Sur "The journey of Molecular Electronics to Nano Electronics"Proceedings of National Seminar (UGC, New Delhi sponsored) on thePhysics behind the Electronics/Optoelectronics and their Applications (PEAA-2011), Department of Physics, Sammilani Mahavidyalaya, Kolkata, India, Editors: Dr.Joydeep Chowdhury and Bipan Dutta, ISBN: 978-81-922836-0-9, p 44-51
11. Amar Ghosh, Ujjal Kumar Sur*, "Catalytic degradation of Methylene blue dye and Antibacterial study of silver nanoparticles obtained using MurrayaKoenigii leaf Extract", Abstracts of International Conferences & Meetings (AICM), 2021, Volume-1, Issue-4,4.

In Books

1. "Self-assembled monolayers of alkanethiol on Gold" by Ujjal Kumar Sur, ISBN: 978-3-639-17450-2, VDM Publishing House Ltd, Germany, 2009.
2. Books: (Edited) "Recent Trend in Nanoscience and Nanotechnology: Nanoparticle and Nanostructured Materials" by Ujjal Kumar Sur, Tapan Ganguly, Chittaranjan Santra, ISBN: 978-3-639-24819-7, VDM Publishing House Ltd, Germany, 2010.
3. "Recent Trends in Material Science Research" by Ujjal Kumar Sur, ISBN: 978-3-639-30632-3, VDM Publishing House Ltd, Germany, 2010.
4. "Carbon Nanotube Radio", *Carbon Nanotube,* Chapter 11, Edited by Dr. Stefano Bianco,ISBN: 978-953-307-500-6, InTech Publisher, Rijeka, Croatia, 2011, page 179-194.
5. Book: (Edited)"Research and Reviews in Nanoscience and Nanotechnology", by Ujjal Kumar Sur, Abhijit Bandyopadhyay, Alokmay Datta, ISBN : 978-3-639-36170-4 VDM Publishing House Ltd, Germany,2011.
6. "Recent Trend in Chemistry" by Ujjal Kumar Sur, ISBN: 978-3- 8465-2252-3, Lambert Academic Publisher (LAP), Germany, 2011.
7. Book: (Edited) "Recent Trend in Electrochemical Science and Technology, ISBN: 978-953-308-13-4, InTech Publisher, Rijeka, Croatia, 2012.
8. Book: (Edited) "Fabrication of low-cost Supercapacitors and their Characterization", by Ujjal Kumar Sur, Dipankar Mukherjee and Ashray Paul, ISBN: 978-3-8465-5237-7, Lambert Academic Publisher (LAP), Germany, 2011.
9. Book: (Edited) "Modern Aspect in Chemistry", by Ujjal Kumar Sur, Chittaranjan Santra and Joydeep Chowdhury, ISBN: 978-3-8454-0202-4, Lambert Academic Publisher (LAP), Germany, 2012.

10. “Nanoporous Anodic Aluminum Oxide: An Ideal Template for Fabrication of Various FunctionalNanostructures”, Nanotechnology, Volume 4: “*Nanomaterials and Nanostructures*”, 2012 Chapter 11, Edited by Dr. Shishir Sinha and Dr. Naveen K. Navani, ISBN: 1- 62699-004-2, Studium Press LLC, P.O. Box 722 200, Houston, TX 77072-USA.
11. Book: (Edited) “Emerging Frontiers in Chemistry”, by Ujjal Kumar Sur and Srabasti Chakraborty, ISBN: 978-3-659-32996-8, Lambert Academic Publisher (LAP), Germany, 2013.
12. Book: (Edited) “Emerging Frontiers in Materials Science”, by Ujjal Kumar Sur and Amitabha Bhattacharyya, ISBN: 978-3-659-49805-3, Lambert Academic Publisher (LAP), Germany, 2013.
13. “Graphene” in “*Encyclopedia of Inorganic and Bioinorganic Chemistryin 2014*” by John Wiley & Sons, Ltd. DOI: 10.1002/9781119951438.eibc2243, Edited by Professor Robert A.Scott
14. Book: (Edited) “Modern Aspect in Materials Physics & Chemistry”, by Ujjal Kumar Sur and Amitabha Bhattacharyya, ISBN: 978-3-659-60640-3, Lambert Academic Publisher (LAP), Germany, 2015.
15. Advanced Surface Engineering Materials (Advanced Materials Book Series) Editor: Ashutosh Tiwari, Rui Wang and BingqingWei, Chapter 5,“Biosynthesis of metal nanoparticles and graphene”WILEY-Scrivener Publishing, USA, 2016.
16. Encyclopedia of Nanoscience and Nanotechnology. Edited by H. S. Nalwa, *Editor-in-Chief,* American Scientific Publishers, USA,“Anisotropic nanomaterials: Synthesis, Characterization and Applications” Ujjal Kumar Sur, Prachi Prasad Kour, and BalaprasadGangaramAnkamwar, 2016.
17. Surface-Enhanced Raman Scattering” in “Raman Spectroscopyand Applications”Chapter 14, Edited by Khan Maaz, ISBN: 978-953-51-2907-3, InTech Publisher, Rijeka, Croatia, 2017, p 293-312.
18. Recent Trends in Materials: Physics & Chemistry, Edited byUjjal Kumar Sur, *Editor-in-Chief,* Studium Press LLC, P.O. Box 722 200, Houston, TX, 77072-USA, 2018.
19. Processing and Characterization of Multicomponent Polymer Systems,Edited by Jose James, Sabu Thomas, Nandakumar Kalarikkal, Chapter 6,“Graphene and graphene based polymer nanocomposites: the newwonder materials of the nanoworld,” Apple Academic Press, CRC Press, USA, October 2018.

Name of the Faculty member: Dr. Srabasti Chakraborty

In Journals

1. Srabasti Ghoshal, Tanusree Sengupta, SandhyarekhaDundung, Gopal Chandra Majumder, Parimal Chandra Sen; Characterization of a low-molecular-mass stimulator protein of Mg2+-independent Ca2+- ATPase: effect on phosphorylation/dephosphorylation, calcium transport and sperm-cell motility, Bioscience Reports, 2008, Apr;28(2),61-71 (IF- 2.9)
2. Tanusree Sengupta, Srabasti Ghoshal, SandhyarekhaDundung, Gopal Chandra Majumder, Parimal Chandra Sen; Structural and functional characterization and physiological significance of a stimulator protein of Mg2+-independent Ca2+-ATPase isolated from goat spermatozoa, Molecular Cellular Biochemistry, 2008, Apr;311(1-2),93-103 (Impact Factor-1.59)
3. Tanusree Sengupta, Srabasti Ghoshal, Parimal Chandra Sen; Stimulation of Mg2+- independent form of Ca2+-ATPase by a low molecular mass protein purified from goat testes cytosol, Comparative Biochemistry and Physiology B Biochemistry and Molecular Biology, 2007, 146(1), 131-138 (IF-1.875)
4. Srabasti Ghoshal, Tanusree Sengupta, Parimal Chandra Sen; Regulation of Mg2+- independent Ca2+-ATPase by a low molecular mass protein purified from bovine brain, Biofactors,2006,26(4),259-271 (IF- 3.038)
5. Salil Putatunda, Srabasti Chakraborty, Swatilekha Ghosh, Pinki Nandi, Supriyo Chakraborty, Parimal Chandra Sen, Arijit Chakraborty; Regioselective N1-alkylation of 3,4dihydropyrimidine-

2(1H)-ones: Screening of their biological activities against Ca2+-ATPase, European Journal of Medicinal Chemistry, 2012, 54, 223-231 (IF- 3.43)

6. Swatilekha Ghosh, Arghya Adhikary, Samik Chakraborty, Pinki Nandi, Suchismita Mohanty, Supriya Chakraborty, Pushpak Bhattacharjee, Sanhita Mukherjee, Salil Putatunda, Srabasti Chakraborty, Arijit Chakraborty, Gaurisankar Sa, Tanya Das, Parimal Chandra Sen; Nifetepimine, a Dihydropyrimidone, Ensures CD4+ T Cell Survival in a Tumor Microenvironment by ManeuveringSarco(Endo)plasmic Reticulum Ca^{2+} ATPase (SERCA), Jounal of Biological Chemistry, 2012, 287(39),32881-32896 (IF- 4.65)
7. Srabasti Chakraborty; Sarcoendoplasmic Calcium ATPase and diseases: A minireview, Journal of Advanced Studies (published from Behala College), 2015, Vol I (Jan 15), 55-60 ISSN: 2394-7241
8. Srabasti Chakraborty, Nilanjan Chakraborty, Swatilekha Ghosh, Arijit Chakraborty, Sci. and Cult. 87 (11–12): 440-444 (2021) (UGC CARE list-A journal)(IF-2.5)
9. Srabasti Chakraborty; Modulators of Sarcoendoplasmic Calcium ATPase, MAC Journal of Basic and Applied Sciences © Maulana Azad College, 2016, Vol. III. No. 1(March), 59-65 ISSN: 2347-5366.(IF-0.456)

In Book Chapters:

1. Srabasti Chakraborty; The Revolution termed “Green Fluorescence protein”, Emerging Frontiers in Chemistry, 2013, Chapter 3, 11-19 (E-Book published by LAP LAMBERT Academic Publishing, Germany, ISBN 978-3-659-3299

Name of the Faculty member: Dr. Amit Kr. Mandal

In Journals

1. Physical and Dielectric Properties of Poly(Vinylidene Fluoride)/ Polybenzimidazole Functionalized Graphene Nanocomposites Nirmal Maity, Amit Mandal, Kaustuv Roy, Arun K. Nandi Journal of Polymer Science Part B:Polymer Physics–2019,57,189-201 (I.F- 2.84)(ISSN: 1099-0488)
2. Mechanically tuned Molybdenum dichalogenides (MoS2 and MoSe2) dispersed supramolecular hydrogel scaffolds. Subhendu Dhibar, Amiya Dey, Debasish Ghosh, Amit Mandal, Biswajit Dey∗ (Journal of Molecular Liquid – 2019, 276, 184-193) (I.F- 4.7)(ISSN: 0167-7322)
3. A Supramolecular Cd(II)-Metalogel: An efficient semiconductive electronic device Subhendu Dhibar, Arka Dey, Santanu Majumdar, Debasish Ghosh, Amit Mandal, Partha Pratim Ray, Biswajit Dey, (Dalton Transactions – 2018, 47, 17412-17420) (I.F- 4.1)(ISSN: 1477-9226)
4. Enhancement of mechanical, electrical and dielectric properties in Poly(vinylidene fluoride) composites with two dimensional nanomaterials. Nirmal Maity, Amit Mandal, Arun K. Nandi (J. Indian Chem. Soc. 2018, 95, 65), (I.F – 0.5)(ISSN:0019-4522)
5. A Supramolecular gel of Oxalic Acid- Monoethanolamine for potential schottky barrier diode application Subhendu Dhibar, Arka Dey, Santanu Majumdar, Amiya Dey, Priyanka Mukherjee, Amit Mandal, Partha Pratim Ray and Biswajit Dey (Chemistry Select – 2019, 4, 1535-1541) (I.F-2.1)(ISSN: 2365-6549)

6. High dielectric poly(vinylidene fluoride) nanocomposite films with MoS2 using polyaniline interlinker via interfacial interaction Nirmal Maity, Amit Mandal, Arun K. Nandi (J. Mater. Chem. C, 2017, 5, 12121- 12133), (I.F – 6.63) (ISSN: 1364-5501)
7. Hierarchical nanostructured polyaniline functionalized graphene/poly(vinylidene fluoride) composites for improved dielectric performances Nirmal Maity, Amit Mandal, Arun K. Nandi (Polymer 2016, 103, 83-97,) (I.F- 3.77), (ISSN: 0032-3861)
8. Synergistic interfacial effect of polymer stabilized graphene via non-covalent functionalization in poly(vinylidene fluoride) matrix yielding superior mechanical and electronic properties Nirmal Maity, Amit Mandal, Arun K. Nandi (Polymer 2016, 88, 79-83,) (I.F- 3.77), (ISSN: 0032-3861)
9. Biological activity of dendrimer-methylglyoxal complexes for improved therapeutic efficacy against malignant cells. Srabanti Ghosh, Prabal Chakraborty, Adrita Chakrabarti, Manosij Ghosh, Amit Mandal, Partha Saha, Anita Mukherjee, Somobrata Acharya and Manju Ray (RSC Adv., 2016, 6, 6631–6642) (I.F- 3.84), (ISSN: 2046- 2069)
10. A supramolecular hydrogel for generation of a benign DNA-hydrogel Biswajit Dey, R. K. Mondal, S. Mukherjee, B. Satpati, N. Mukherjee, Amit Mandal, Dulal. Senapati and S. P. Sinha Babu (RSC Adv., 2015, 5, 105961–105968), (I.F – 3.84), (ISSN: 2046-2069)
11. Interface engineering of ionic liquid integrated graphene in Poly(vinylidene fluoride) matrix yielding magnificent improvement in mechanical, electrical and dielectric properties Nirmal Maity, Amit Mandal, Arun K. Nandi (Polymer 2015, 65, 154- 167), (I.F- 3.77), (ISSN: 0032-3861)
12. Ionic Liquid Integrated Multiwalled Carbon Nanotube in Poly(vinylidene fluoride) Matrix: -Polymorph with Significant Reinforcement and ConductivityβFormation of Piezoelectric Improvement. Amit Mandal and Arun K. Nandi (ACS Appl. Mater. Interfaces. 2013, 5, 747-760), (I.F – 8.5), (ISSN: 1994-1852)
13. Non covalent Functionalization of Multiwalled Carbon Nanotube by a Polythiophene-Based Compatibilizer: Reinforcement and Conductivity Improvement in Poly(vinylidene fluoride) Films. Amit Mandal and Arun K. Nandi (J. Phys. Chem. C 2012, 116, 9360-9371), (I.F- 4.81), (ISSN: 1932-7455)
14. Physical properties of Poly(vinylidene fluoride) composites with polymer functionalized Multiwalled carbon nanotubes using Nitrene Chemistry. Amit Mandal and Arun K. Nandi (J. Mater. Chem. 2011, 21, 15752–15763) (I.F – 6.63) (ISSN: 1364-5501)
15. Miscibility of Polythiophene-graft-poly(methyl methacrylate) brush with Poly(vinylidene fluoride): Morphology, Optical and Conductivity Properties. Amit Mandal and Arun K. Nandi (Macromol. Chem. Phys. 2011, 212, 1636-1648) (I.F- 2.62) (ISSN: 1521-3935)
16. Fabrication of Nanostructured Poly(3-thiophene methyl acetate) within Poly(vinylidene fluoride) Matrix: New Physical and Conducting Properties. Swarup Manna, Amit Mandal and Arun K. Nandi (J. Phys. Chem. B 2010, 114, 2342-2352) (I.F- 3.61) (ISSN: 1520-5207)
17. Multifunctional Hydrophilic Poly(vinylidene fluoride) graft Copolymer with Super-toughness and with Super-gluing Properties. Sanjoy Samanta, Dhruba P. Chatterjee, Swarup Manna, Amit Mandal, Ashesh Garai and Arun K. Nandi (Macromolecules 2009, 4, 3112-3120) (I.F- 5.93) (ISSN: 1520-5835)
18. -Polymorph Stabilization by Integration of Ionic liquid Modified MultiwalledβPiezoelectric Carbon Nanotube in Poly(vinylidene fluoride) Amit Mandal and Arun K. Nandi* (Proceeding of the 6th IUPAC sponsored International symposium on Macro and Supramolecular Architectures and Materials (MAM-12) in Advance Nanomaterials for Industrial Applications. pp 269-276 (2012), ISBN: 978-93-82563-34-1)
19. Development of a rapid self-healing semiconducting monoethanolamine based Mg(OH)2 – metallogel for schottky diode application with high On/Off ratio Subhendu Dhibar, Amiya Dey, Debashish Ghosh, Amit Mandal, Partha Pratim Ray, Biswajit Dey (Accepted in New Journal of Chemistry, (I.F- 3.06) (ISSN: 1144-0546).

Name of the Faculty member: Dr. Sanjay Paul

In Journals

1. Sanjay Paul, HariDattaKhanal, ChayanDhar Clinton, Sung Hong Kim and Yong Rok Lee, "Pd(TFA)2 -catalyzed direct arylation of quinoxalinones with arenes", Org. Chem. Front., 2019, 6, 231-235. (Impact factor: 5.455)
2. Sanjay Paul, JiHyeon Ha, GaEul Park and Yong Rok Lee, "Transition Metal-Free Iodosobenzene-Promoted Direct Oxidative 3-Arylation of Quinoxalin-2(H)-ones with Arylhydrazines", Advanced Synthesis & Catalysis, 2017, 359, 1515.(Impact factor: 5.123)
3. Sanjay Paul, Rajeev Shrestha, T. N. J. I. Edison, Yong Rok Lee and Sung Hong Kim, "Copper(I) Bromide-Dimethyl Sulfide-Catalyzed Direct Sulfanylation of 4-Hydroxycoumarins and 4-Hydroxyquinolinones with Arylsulfonylhydrazides and Selective Fluorescence Switch- On Sensing of Cadmium(II) Ion in Water", Advanced Synthesis & Catalysis,2016, 358, 3050. (Impact factor: 5.123)
4. Sanjay Paul, Yong Rok Lee, "Eco-friendly construction of highly functionalized chromenopyridinones by an organocatalyzed solid-state melt reaction and their optical properties", Green Chemistry, 2016, 18, 1488. (Impact factor:8.586)
5. Sanjay Paul*, KoyelPradhan, Asish R. Das, "Ethyl lactate as a green solvent: A promising biocompatible media for organic synthesis", Current Green Chemistry, 2016, 3, 111.
6. Prasun Mukherjee, Sanjay Paul, Asish R. Das, "Expeditious synthesis of functionalized tricyclic 4-spiro pyrano[2,3-c]pyrazoles in aqueous medium using dodecylbenzenesulphonic acid as a Brønsted acid–surfactant-combined catalyst", New Journal of Chemistry, 2015, 39, 9480. (Impact factor:3.201)
7. KoyelPradhan, Sanjay Paul, Asish R. Das, "Synthesis of indeno and acenaphtho core containing dihydroxyindolone, pyrrole, coumarin and uracil fused heterocyclic motifs under sustainable condition exploring the catalytic role of SnO2 quantum dot", RSC Advances, 2015, 5, 12062. (Impact factor: 2.936)
8. Gargi Pal, Sanjay Paul, ParthaPratimGhosh, Asish R. Das, "PhIO promoted synthesis of nitrile imines and nitrile oxides within micellar core in aqueous media: A regiocontrolled approach to synthesize densely functionalized pyrazole and isoxazolinederivatives",RSC Advances, 2014, 4, 8300-8307. (Impact factor: 2.936)
9. KoyelPradhan, Sanjay Paul, Asish R. Das "Magnetically retrievable nano crystalline CuFe2O4 catalyzed multi-component reaction: A facile and efficient synthesis of functionalized dihydropyrano[2,3-c]pyrazol, pyrano[3,2-c]coumarin and 4H-chromene derivatives in aqueous media", Catalysis Science and Technology, 2014, 4, 822-831. (Impact factor: 5.365)
10. Sanjay Paul, Asish R. Das, "Magnetically retrievable nano crystalline NiFe2O4 catalyzed aerobic, ligand free C-N, C-O and C-C cross-coupling reactions for the synthesis of a diversified library of heterocyclic molecules", Advanced Synthesis & Catalysis, 2014, 356, 1301 – 1316, [Highlighted in Synfacts, 2014, 10(7), 0766].(Impact factor:5.123)
11. KoyelPradhan, Sanjay Paul, Asish R. Das, "Synthesis of a diversified combinatorial library of 1H-pyrazolo[1,2-b]phthalazine-5,10-dione derivatives applying sustainable carbon based solid acid catalyst involving domino four-component reaction", MonatsheftefürChemie - Chemical Monthly, 2014, 145, 1343. (Impact factor: 1.285)
12. Gargi Pal, Sanjay Paul, Asish R. Das, "A facile and efficient synthesis of functionalized 4-oxo-2-(phenylimino)thiazolidin-5-ylideneacetate derivatives via CuFe2O4 magnetic nanoparticles catalyzed regioselective pathway" New J. Chem.; 2014, 38, 2787. (Impact factor: 3.201)
13. Sanjay Paul, KoyelPradhan, Asish R. Das "Uncapped SnO2 quantum dot catalyzed cascade assembling of four components: A rapid and green approach to the pyrano[2,3-c]pyrazole and spiro-2-oxindole derivatives" Tetrahedron, 2014, 36, 6088. (Impact factor: 2.377)
14. Sanjay Paul, Asish R. Das, "Dual role of the polymer supported catalyst PEG-OSO3H in aqueous reaction medium: synthesis of highly substituted structurally diversified coumarin and uracil fused spirooxindoles", Tetrahedron Lett., 2013, 54, 1149. (Impact factor: 2.125)

15. Sanjay Paul, Gargi Pal and Asish R. Das, “Three-component synthesis of a polysubstitutedpyrrole core containing heterocyclic scaffolds over magnetically separable nanocrystalline copper ferrite”, RSC Advances, 2013, 3, 8637. (Impact factor: 2.936)
16. Sanjay Paul, SirshenduGhosh, Pranabes Bhattacharyya and Asish R. Das, “Synthesis of a SO3Hbearing carbonaceous solid catalyst, PEG–SAC: application for the easy access to a diversified library of pyran derivatives”, RSC Advances, 2013, 3, 14254. (Impact factor: 2.936)
17. Pranabes Bhattacharyya, Sanjay Paul, Asish R. Das, “Facile synthesis of pyridopyrimidine and coumarin fused pyridine libraries over a Lewis base-surfactantcombined catalyst TEOA in aqueous medium”, RSC Advances, 2013, 3, 3203. (Impact factor: 2.936)
18. Gargi Pal, Sanjay Paul, Asish R. Das, “Alum-Catalyzed Synthesis of 3-(1H-Pyrrol-2-yl)-2Hchromen-2-ones: A Water-PEG 400 Binary Solvent Mediated, One-Pot, Three-Component Protocol”, Synthesis, 2013, 45, 1191. (Impact factor: 2.722)
19. ParthaPratimGhosh, Sanjay Paul, Asish R. Das, “Light induced synthesis of symmetrical and unsymmetrical dihydropyridines in ethyl lactate–water under tunable conditions”, Tetrahedron Lett., 2013, 54, 138. (Impact factor: 2.125)
20. Sanjay Paul, Asish R. Das, “An efficient green protocol for the synthesis of coumarin fused highly decorated indenodihydropyridyl and dihydropyridyl derivatives”, Tetrahedron Lett., 2012, 53, 2206. (Impact factor: 2.125)
21. Sanjay Paul, Asish R. Das, “A new application of polymer supported, homogeneous and reusable catalyst PEG–SO3H in the synthesis of coumarin and uracil fused pyrrole derivatives”, Catalysis Science & Technology, 2012, 2, 1130. (Impact factor: 5.365)
22. Pranabes Bhattacharyya, KoyelPradhan, Sanjay Paul, Asish R. Das, “Nano crystalline ZnOcatalyzed one pot multicomponent reaction for an easy access of fully decorated 4H-pyran scaffolds and its rearrangement to 2-pyridone nucleus in aqueous media”, Tetrahedron Lett., 2012, 53, 4687. (Impact factor: 2.125)
23. KoyelPradhan, Pranabes Bhattacharyya, Sanjay Paul, Asish R. Das, “Synthesis of 3,4-dihydropyridin-2-one derivatives in convergent mode applying bio catalyst vitamin B1 and polymer supported catalyst PEG–SO3H from two different sets of building blocks”, Tetrahedron Lett., 2012, 53, 5840. (Impact factor: 2.125)
24. ParthaPratimGhosh, Gargi Pal, Sanjay Paul, Asish R. Das, “Design and synthesis of benzylpyrazolylcoumarin derivatives via a four-component reaction in water: investigation of the weak interactions accumulating in the crystal structure of a signified compound”, Green Chem., 2012, 14, 269. (Impact factor:8.586)
25. Sanjay Paul, Pranabes Bhattacharyya, Asish R. Das, “One-pot synthesis of dihydropyran[2,3-c]chromenes via a three component coupling of aromatic aldehydes, malononitrile, and 3-hydroxycoumarin catalyzed by nano-structured ZnO in water: a green protocol”, Tetrahedron Lett., 2011, 52, 4636. (Impact factor: 2.125)
26. BikashKarmakar, Sanjay Paul, Julie Banerji, “A highly efficient, one-pot synthesis of αaminophosphonates over CuOnanopowder”, Arkivoc 2011 (ii) 161. (Impact factor: 1.165).

Name of the Faculty member: Dr. Sankar Prasad Dey

In Journals

1. NayimSepay, Manami Banerjee, Rajibulislam, Sankar P. Dey, and Umesh C. Halder, Crystallography-based exploration of non-covalent interactions for the design and Synthesis of coumarin for stronger protein binding, Phys.Chem.Chem.Phys. (Royal Society of Chemistry), 2022, 24, 6605 DOI: 101039/d2cp00082b, ISSN No. 1463-9076 (print), (I.F. 3.676)
2. Ashique Al Hoque, Chayan guha, NayimSepay, Sankar P. Dey, Umesh C. Halder, Anti-Covid-19 Sulphonamides: A DFT, docking and ADMET study, Coronaviruses-The World first international journal dedicated to Coronaviruses,(Bentham Science), article ID: e190721194872, DOI:102174/2666796702666610719103409, 2022,ISSN(online): 2666-7975, ISSN(Print): 2666-7967

3. Dey* S. P., Sepay N., Mallik A.K., Patra A.; Novel Chalcones as Bcl-2 inhibitor in lung cancer: docking, design and synthesis of 2,3-Tetrasubstituted-2,3-dihydrobenzofuran-3-carboxamides. J. Chem. Sciences. (Springer Science, IASc.), 2020, 132, 1-9 (Article number-105, Issue-1) (I.F.: 1.406)
4. Dey* S. P., Chattopadhyay F. and Mallik A. K; Hypervalent iodine oxidation of flavonols and 3-hydroxy-2-styrylchromones in different alcohols; J. Indian Chem. Soc., (ICS), 2016, 93, 1321-1324 (I.F.: 0.233)
5. Sepay N. and Dey S. P, Synthesis and chemical reactivity of 4-Oxo-4H-1-benzopyran-3-carboxaldehyde, Journal of Heterocyclic Chemistry(WILEY), 2014, 51, Pages E1-E24 (I.F.: 1.484)
6. Dey D.K., Dey S. P., Karan N. K, Lyka A. and Rosair G. M; Structural and Spectral Studies of diorganotin(IV) complexes containing bis-tridentate N,N-bis(4-oxo-4-phenylbutan-2-ylidene)oxalohydrazide ligand, Journal of Organometallic Chemistry(ELSEVIER), 2014, 749, 320-326 (I.F.: 2.304)
7. Mandal T.K, Pal R., Mondal R., Dey S. P. and Mallik A.K, Schmidt reactions of E-3-Benzylidenechromanones and E-3-Benzylidenethiochromanones. Journal of Chemistry (HINDAWI), 2013, Article ID 392128, 5 Pages (I.F.: 3.288)
8. Das J.K, Kander C.C, Dey S. P. and Mandal S.C; Advances in Pharmacology and Toxicology (CONNECT JOURNALS),Study of antimicrobial and wound healing activity of ethanolic extract of Clerodendrumviscosum leaf.; 2012, 13, 33-39

9. Sahu R., Dewanjee S. Dua T.K, Gangopadhyay M., Das A.K., and Dey S. P.; Dereplication coupled with in vitro antioxidant assay identified of two flavonoid from diospyros peregrina fruit. Natural Product Research (TAYLOR & FRANCIS), 2012, 26, 454-459 (I.F.:2.861)
10. Dey* S. P. and Mallik, A. K; Formation of Organo-mereuro compounds by mercuric acetate oxidation of 2′-allyloxy-5-chloroactophenone oxime and 2′-allyloxy-5-chloroacetophenone. J. Indian. Chem. Soc.. (ICS), 2011, 88, 437-441 ((I.F.: 0.233)
11. Das J.K, Choudhury S, Adhikary S, Das B.,Sharma S., Mandal S.C and Dey S. P; Anthelmintic activity of clerodendrumviscosum, Oriental pharmacy and experimental medicine(SPRINGER); 2011, 11, 119-122 (I.F.: 0.211)
12. Das J.K, Kandar C.C, Dey S. P and Mandal S.C; Evaluation of analgesic activity of Clerodendrumviscosumlinn.(verbenaceae)leaves on experimental animal modal. International journal of pharma and biociences,(ELSEVIER), 2011, 2, 345-349 (I.F.: 7.446)
13. Dey S.K, Shit S, Dey S. P, Mitra S. and Malik K.M. A; First report on thermally stable cadmium carbonyl complex containing an interesting chloroaryl bridge: Isolation and characterization. Chemistry Letter (CHEMICAL SOCIETY OF JAPAN), 2011, 40, 119-122 (I.F.: 1.484)
14. Mandal T.K, Pal R., Mondal R., Dey S. P. and Mallik A.K,; NBS Oxidation of E-3-benzylidenechromanones to 3-(α-hydroxybenzyl)-chromones and 3-benzoylchromones. Organic preparations and procedures international (TAYLOR & FRANCIS), 2011, 43, 467-474 (I.F.: 1.591)
15. Dey D.K, Dey S. P, LykaA.andRosair G. M ; Structure and spectroscopy of diorganotin(IV)-(2-hydroxy-3-methoxybenzylidene)benzohydrazide. Polyhedron’complexes derived from N (ELSEVIER), 2011, 30, 2544-2549 (I.F.: 2.880)
16. Bose S.K, Dewanjee S., Sahu R. and Dey S. P. (2011) Effect of bergapten from Heracleum nepalence root on production of proinflammatory cytokines. Natural Product Rresearch (TAYLOR & FRANCIS), 2011, 25, 1444-1449 (I.F.:2.861)
17. Dey S. P (Sole Author); Aluminium chloride assisted zinc-induced reduction of some α, βunsaturated ketones. J. Indian Chem. Soc .(ICS), 2009, 86, 761-763 (I.F.: 0.233)
18. Dey S. P and Dey D.K (2009) Acid-catalysed rearrangements of allyl 4-hydroxybenzoate and 3-methylbut-2-enyl-4-hydroxybenzoate. J. Indian Chem. Soc. .(ICS), 2009, 86, 485-487 (I.F.: 0.593)

19. Dey D.K, Dey S. P, Karan N.K, Dutta A, LykaA.andRosair G.M ; Structural and Spectral study 3- (2-hydroxylphenylimimno)-1-phenylbutan-1-one and its diorganotin (IV) complexes. Journal of Organometallic Chemistry (ELSEVIER), 2009, 694, 2434-2441 (2.304)
20. Dewanjee S, Maiti A, Das A.K, Mondal S.C and Dey S. P; Swietenine: A potential oral hypoglycemic from Swietenia macrophylla seed. Fitoterapia, (ELSEVIER), 2009, 80, 249-251(I.F.: 2.527)
21. Dey S. P, Dey D.K, Dhara M.G and Mallik A. K.; Reduction of some flavavanones and E-3-benzyledeneflavanones under modified Clemmensen reduction condition. J. Indian Chem. Soc., (ICS), 2009, 85, 717-720 (I.F.: 0.233)
22. Dey S. P, Dey D.K, Mallik A.K and Dahlenberg, L.; Configuration of the major stereoisomer of Zn/AcOH reduction product of 4-Oxo-4H- chromene-3-carbaldehyde. Journal of Chemical Research (SCIENCE REVIEWS LIMITED), 2007, 89-90 (I.F.: 0.593)
23. Dey S. P, Dey D.K, Mallik A.K and Dahlenberg, L.; 6-(2-Hydroxybenzoyl)-5-(pyrrol-2-yl)-3Hpyrrolizine. Acta Crystallographica Sec C. (WILEY),, 2003, 0321-0322 (I.F.: 8.678)

24. Mallik A.K, Dey S. P, Chattopadhyay F. and Patra A.; Novel formation of 6-acyl-5-(2-pyrrolyl)-3Hpyrrolizines by base catalysed condensation of pyrrole-2-aldehyde with methyl ketones. Tetrahedron Lett. (ELSEVIER) , 2002, 43, 1295-1297 (I.F.:2.379)
25. Dey S.K., Roychaudhury C., Dey S. P., Dey D.K, Mondal N., Malik K.M.A and Mitra S.; Synthesis and the crystal structure of a copper (II) complex derived from novel tridentate ligand. Journal of Chemical Research (SCIENCE REVIEWS LIMITED), 2002, 496-499 (I.F.:0.593)
26. Dey D.K, Dey S. P, Elmali A. and Elerman Y.; Molecular Structure and Conformation of N-2-[3-methoxysalicyldeneimine.''methoxysalicyldeneimino)benzyl]- 3 Journal of Molecular Structure (ELSEVIER), 2001, 562, 177-184 (I.F.: 2.011)
27. Dey D.K, Dey S. P, Elmali A. and Elerman Y.; Crystal Structure and Conformation of 2-{(2 aminobenzyl)iminoethyl}-5-ethoxyphenol., Z. Natureforsch (CHEMICAL SCIENCES), 2001, 56b, 375-380 (I.F.: 1.047)
28. Mallik A.K, Chattopadhyay F. and Dey S. P.; Novel conversion of 3-(α-Hydroxybenzyl)flavones to 3-benzylchromones and 3-cyanoflavones with NaN3/TFA. Tetrahedron Lett. (ELSEVIER), 2000, 41, 4929-4931 (I.F.: 2.379)
29. Dey S. P and Mallik, A.K.; Zinc-induced novel reductive cyclodimerisation of some α, β-unsaturated ketones, Indian J. Chem,(NISCAIR), 1999, 38B, 400-402 (I.F.: 0.592)
30. NayimSepay, Manami Banerjee, Rajibulislam, Sankar P. Dey, and Umesh C. Halder, Crystallography-based exploration of non-covalent interactions for the design and Synthesis of coumarin for stronger protein binding, *Phys.Chem.Chem.Phys*. (Royal Society of Chemistry), 2022, 24, 6605DOI: 101039/d2cp00082b, ISSN No. 1463-9076 (print), (I.F. 3.676)
31. Ashique Al Hoque, Chayan guha, NayimSepay, Sankar P. Dey, Umesh C. Halder, Anti-Covid-19 Sulphonamides: A DFT, docking and ADMET study, *Coronaviruses-The World first international journal dedicated to Coronaviruses,(*Bentham Science*), article ID: e190721194872,* DOI:102174/2666796702666107191034O9, 2022,ISSN(online): 2666-7975, ISSN(Print): 2666-7967
32. Dey S. P.,Sepay N., Mallik A.K., Patra A.; Novel Chalcones as Bcl-2 inhibitor in lung cancer: docking, design and synthesis of 2,3-Tetrasubstituted-2,3-dihydrobenzofuran-3-carboxamides. *J. Chem. Sciences. (*Springer Science*, IASc.)*, 2020, 132, 1-9 (Article number-105, Issue-1) (I.F.: 1.406)

Name of the Faculty member: Chandana Sen
In Journals

1. Debashis Mallick, Mukul Bikash Maity , Chandana Sen , Basudeb Dutta , Suman Kundu and Chittaranjan Sinha; Structure and photochromism of halo-bridged dimeric mercury(II)

complexes of 1-alkyl-2-(p-nitro-phenylazo)imidazoles , Journal of Indian Chemical Society, 2020, 97, 1478- 1486 (I.F.-0.233)

2. Chandana Sen, Sunanda Dey, Chiranjit Patra, DebashisMallick , Chittaranjan Sinha ; Use of fluorogenic Al3+-Quinolinyl-azo-naphtholato complex for the determination of Fin aqueous medium by visible light excitation and application on ground water fluoride analysis, Analytical Methods , 2019, 11, 4440 – 4449 (I.F.- 2.596)
3. Sunanda Dey, Chandana Sen, Chittaranjan Sinha; Chromogenic hydrazide Schiff base reagent: Spectrophotometric determination of CN- ion, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy , 2019, 225, 117471-117476 (I.F.- 3.232)
4. Washim Hossain, Chandana Sen , Chittaranjan Sinha , Uttam K Sarkar ; Surface Enhanced Raman Scattering Study of 1-H-2-(tolyl) Imodazole (TaiH) Induced by Uncoupled Plasmon of silver Nano Particles, Journal of Nanoscience and Nanotechnology, 2019, 19, 3583-3590 (I.F.- 1.354)
5. Chandana Sen, Chiranjit Patra, SudipaMondol, Amitabha Datta, Debashis Mallick. Tapan Kumar Mondal. TulinAskun. Pinar Celikboyun. ZerrinCantürk. Chittaranjan Sinha; Platinum(II)-azoimidazole drugs against TB and cancer : structural studies, cytotoxicity and anti-mycobacterial activity , Polyhedron, 2018, 152, 1-10 (I.F.-2.88)
6. Debashis Mallick, Bharati Chowdhury, Chandana Sen, Kamal Krishna Sarkar, Srikanta Jana, Sudipa Mondal, Chittaranjan Sinha; Arylazoimidazole complexes of lead(II)-halide and their photochromism , Indian Journal. of Chemistry, 2018, 57A, 418-426 (I.F.-0.489)
7. Bharati Chowdhury, Kaushik Naskar, Debashis Mallick, Chandana Sen, Kamal Krishna Sarkar and Chittaranjan Sinha; Synthesis, characterization, photochromism and theoretical interpretation of bis-(triphenylphosphine)-Cu(I) and Ag(I)-(1-alkyl-2-(arylazo)imidazole) complexes, Journal of Indian Chemical Society, 2018, 95, 405–416 (I.F.- 0.233)
8. Bharati Chowdhury, Kaushik Naskar ,Debashis Mallick, Kamal Krishna Sarkar, Chandana Sen , Chittaranjan Sinha; Photochromism of {bis(diphenylphosphino)methane}(1-alkyl-2- 6 (arylazo) imidazole)silver(I) hexaflurophosphate complexes, InorganicaChemica Acta , 2018, 483, 87-92 (I.F.-2.304)
9. Paramita Dutta, Debashis Mallick, Chandana Sen , Suman Roy, Tapan Kumar Mondal and Chittaranjan Sinha ; Quinolinyl-azo-pyridine coordinated complexes of some 3d block metal ions: Synthesis, spectroscopic characterization and X-ray study, Journal of Indian Chemical Society, 2018, 95, 987-995 (I.F.- 0.233)
10. Chiranjit Patra, Chandana Sen, Ananya Das Mahapatra, Debprasad Chattopadhyay, Ambikesh Mahapatra, Chittaranjan Sinha; Pyridylthioether-hydroxycoumarin Schiff base as selective Zn2+ fluorescence sensor, application in life cell imaging and uses of resulting complex as secondary probe for ATP sensing, Journal of Photochemistry and Photobiology A: Chemistry, 2017, 341, 97–107 (I.F.-3.306)
11. Kuheli Das, Chiranjit Patra, Chandana Sen, Amitabha Datta, Chiara Massera, Eugenio Garribba, Mohamed Salah El Fallah, Belete B. Beyene,· Chen-Hsiung Hung,· Chittaranjan Sinha, TulinAskun, Pinar Celikboyun, Daniel Escudero, Antonio Frontera, EPR interpretation, magnetism and biological study of a Cu(II) dinuclear complex assisted by a schiff base precursor, Journal of Biological Inorganic Chemistry , 2017, 22, 481–495 (I.F.-2.60)
12. Kaushik Naskar, Arka Dey, Basudeb Dutta, Faruk Ahmed, Chandana Sen, Mohammad Hedayetullah Mir, Partha Pratim Roy, Chittaranjan Sinha,"Intercatenated Coordination Polymers (ICPs) of Carboxylato Bridged Zn(II)-Isoniazid and Their Electrical Conductivity", Crystal Growth Design , 2017, 17 3267−3276 (I.F.- 4.089)
13. Faruk Ahmed, Soumi Halder, Basudeb Dutta, Sakhiul Islam, Chandana Sen, Suman Kundu, Chittaranjan Sinha, Partha Pratim Ray, Mohammad Hedayetullah Mir; Synthesis and structural characterization of a Cu(II)-based 1D coordination polymer and its application in Schottky devices, New Journal of Chemistry , 2017, 41, 11317-11323 (I.F.-3.288)
14. Uttam Panda, Debashis Mallick, Chandana Sen, Abhijit Nandi, Tapan Kumar Mondal an Chittaranjan Sinha; Structure, photochromism and mesogenic property of mercury(II)

complexes of 1-alkyl-2-(arylazo)imidazoles, Journal of Indian Chemical society, 2016, 92, 1925–1938 (I.F.- 0.233)

15. Chiranjit Patra, Anup Kumar Bhanja, Chandana Sen, Durbadal Ojha, Debprasad Chattopadhyay, Ambikesh Mahapatra, Chittaranjan Sinha; Vanillinyl thioether Schiff base as a turn-on fluorescence sensor to Zn2+ ion with living cell imaging , Sensors and Actuators B: 7 Chemical, 2016, 228, 287–294 (I.F.- 7.34)
16. Chiranjit Patra, Anup Kumar Bhanja, Chandana Sen, Durbadal Ojha, Debprasad Chattopadhyay, AmbikeshMahapatraa, Chittaranjan Sinha ; Imine-functionalized thioether Zn(II) turn-on fluorescent sensor and its selective sequential logic operations with H2PO4, DFT computation and live cell imaging , RSC Advances, 2016, 6, 53378-53388 (I.F.- 3.24)
17. Debashis Mallick, Uttam Panda, Srikanta Jana, Chandana Sen, Tapan Kumar Mondal, Chittaranjan Sinha; Lead(II) complexes of 1-alkyl-2-(arylazo)imidazole: synthesis, structure, photochromism and metallomesogenic properties, Polyhedron, 2016, 117, 318–326 (I.F.- 2.88)
18. . Chandana Sen, Suman Roy, Tapan Kumar Mondal , Rajib Ghosh , Jahur A. Mondal , Dipak K. Palit , Chittaranjan Sinha; Palladium(II)-iodo-{1-alkyl-2-(arylazo)imidazole} complexes: Synthesis, structure, dynamics of photochromism and DFT computation , Polyhedron, 2015, 85, 900–911 (I.F.- 2.88)
19. Chandana Sen, Avijit Nandi, Debashis Mallick, Sudipa Mondal, Kamal Krishna Sarker ,Chittaranjan Sinha; The spectroscopic characterization, photochromism of cadmium(II)-iodo complexes of 1-alkyl-2-(arylazo)imidazoles and DFT computation of representative complexes , Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 2015, 137, 935–944 (I.F.- 3.232)
20. Chandana Sen, Debashis Mallick, Sudipa Mondal, Chittaranjan Sinha; Synthesis, spectroscopic characterization, photochromism of Zinc(II)-iodo complexes of long chain 1-alkyl2-(arylazo)imidazoles and the DFT correlative studies, Journal of Indian Chemical Society, 2015, 92 , 203-211 (I.F.-0.233)
21. Chiranjit Patra, Himanish Roy, Chandana Sen, Chittaranjan Sinha; Surface embedded enhancement of fluorescence of coumarinyl-azo-imidazolium stabilised gold nanoparticles (GNPs), Indian Journal of Chemistry, 2015, 54A, 316-323 (I.F.- 0.489)
22. Amitabha Datta, KuheliDas , Chandana Sen, Nirmal Kumar Karan, Jui-Hsien Huang ,ChiaHer Lin , Eugenio Garribba , Chittaranjan Sinha , TulinAskun , Pinar Celikboyun ,Sandeep B. Mane ; Doubly end-on azido bridged mixed-valence cobalt trinuclear complex:Spectral study, VTM, inhibitory effect and antimycobacterial activity on human carcinoma and tuberculosis cells, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 2015, 148, 427–434 (I.F.-3.232)
23. Chiranjit Patra, Himanish Roy, Chandana Sen, Chittaranjan sinha; Coumarinyl-azoimidazolium protected and concentration dependent size control of gold nanoparticles (GNPs) , Journal of Indian Chemical Society, 2015, 92, 1117-1125 (I.F.- 0.233)
24. Shefali Saha (Halder), Chandana Sen, Suman Roy, Debashis Mallick, Elena López-Torres, Chittaranjan Sinha ; Structure and photochromism of Zn(II) thiocyanato complexes of 1-alkyl-2-{(o-thioalkyl)phenylazo}imidazole , Polyhedron, 2015, 97, 240-247 (I.F.-2.88)
25. Chandana Sen, Bharati Chowdhuri, Chiranjit Patra, Debashis Mallick, Chittaranjan Sinha; The structure and photophysics of di-iodo-zinc(II) complexes of long alkyl chain substituted imidazolyl motif of arylazoimidazoles and the DFT computation , Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 2015, 151, 443–452 (I.F.-3.232)
26. Chandana Sen, Debashis Mallick, Chiranjit Patra, Suman Roy, Randhir K. Sinhaa,Rajib Ghosh, Jahur A. Mondal, Dipak K. Palit, Chittaranjan Sinha ; Spectroscopic characterization, photochromism and mesomorphism of cadmium(II)-1-alkyl-2-(arylazo)imidazole complexes and DFT correlative studies , Polyhedron, 2016, 117, 463–477 (I.F.- 2.88)

27. Avijit Nandi, Chandana Sen, Suman Roy, Debasish Mallick, Randhir Sinha, Tapan Kumar Mondal, Chittaranjan Sinha ;Synthesis, structure, photochromism, mesogenic property and DFT computations of silver(I) complexes of long chain alkyl group containing 1-alkyl-2-(arylazo)imidazoles, Polyhedron , 2014, 79, 186–196 (I.F.- 2.88)
28. Avijit Nandi, Chandana Sen, Debashis Mallick, Randhir K. Sinha, Chittaranjan Sinha ; Structure, Photochromism and Liquid Crystal Properties of 1-Alkyl-2-(Arylazo)Imidazoles (RaaiCnH2n+1, n (Even) = 10- 22) , Advances in Materials Physics and Chemistry, 2013, 3, 133-145 (I.F.- 1.15)

Name of the Faculty member: Dr. Sanghamitra Atta
In Journals

1. Ikbal Mohammed; Saha Biswajit; Barman Shrabani; Atta Sanghamitra; Banerjee Deb Ranjan; Ghosh Sudip Kumar; Singh N D Pradeep Benzo[a]acridinylmethyl esters as pH sensitive fluorescent photoactive precursors: synthesis, photophysical, photochemical and biological applications" Organic & biomolecular chemistry 2014, 12, 3459-69
2. Atta, Sanghamitra; Jana, Avijit; Ananthakirshnan, Rajakumar; Dhuleep, Pradeep Singh Narayana Fluorescent Caged Compounds of 2,4-Dichlorophenoxyacetic Acid (2,4-D): Photorelease Technology for Controlled Release of 2,4-D" Journal of Agricultural and Food Chemistry 2010, 58, 11844-11851
3. Jana, Avijit; Atta, Sanghamitra; Sarkar, Sujan K.; Singh, N. D. Pradeep "1-Acetylpyrene with dual functions as an environment-sensitive fluorophore and fluorescent photoremovable protecting group" Tetrahedron 2010, 66, 9798-9807
4. Atta, Sanghamitra; Ikbal, Mohammed; Kumar, Ashutosh; Pradeep Singh, N. D. Application of photoremovable protecting group for controlled release of plant growth regulators by sunlight" Journal of Photochemistry and Photobiology, B: Biology 2012, 111, 39-49
5. Ikbal, Mohammed; Banerjee, Rakesh; Atta, Sanghamitra; Jana, Avijit; Dhara, Dibakar; Anoop, Anakuthil; Singh, N. D. Pradeep "Development of 1-Hydroxy-2(1H)-quinolone-Based Photoacid Generators and Photoresponsive Polymer Surfaces" Chemistry- A European Journal 2012, 18, 11968-11975, S11968/1-S11968/23
6. Ikbal, Mohammed; Banerjee, Rakesh; Atta, Sanghamitra; Dhara, Dibakar; Anoop, Anakuthil; Singh, N. D. Pradeep "Synthesis, Photophysical and Photochemical Properties of Photoacid Generators Based on N-Hydroxyanthracene-1,9-dicarboxyimide and Their Application toward Modification of Silicon Surfaces" Journal of Organic Chemistry 2012, 77, 10557-10567
7. Atta, Sanghamitra; Ikbal, Mohammed; Boda, Nishitha; Gauri, Samiran S.; Singh, N. D. Pradeep "Photoremovable protecting groups as controlled-release device for sex pheromone" Photochemical & Photobiological Sciences 2013, 12, 393-403
8. Ikbal, Mohammed; Saha, Biswajit; Barman, Shrabani; Atta, Sanghamitra; Banerjee, Deb Ranjan; Ghosh, Sudip Kumar; Singh, N. D. Pradeep "Benzo[a]acridinylmethyl esters as pH sensitive fluorescent photoactive precursors: synthesis, photophysical, photochemical and biological applications" Organic & Biomolecular Chemistry 2014, 12, 3459-3469
9. Ikbal, Mohammed; Banerjee, Rakesh; Barman, Shrabani; Atta, Sanghamitra; Dhara, Dibakar; Singh, N. D. Pradeep "1-Acetylferroceneoxime-based photoacid generators: application towards solgel transformation and development of photoresponsive polymer for controlled wettability and patterned surfaces" Journal of Materials Chemistry C: Materials for Optical and Electronic Devices 2014, 2, 4622-4630
10. Dasgupta, Sohaham; Atta, Sanghamitra; Singh, N. D. Pradeep; Deb, Dibakar; Kassel, W. Scott; Bhattacharjee, Manish "Synthesis and Structure of [Et3NH]-[Fe(HL)2] [H3L = L-2-(3,5-Di-tert-butyl2-hydroxybenzylamino)succinic Acid] and Its Catalytic Activity towards Efficient Photodegradation of Dyes in the Presence of H2O2" European Journal of Inorganic Chemistry 2014, 30, 5125-5134

11. Atta, Sanghamitra; Bera, Manoranjan; Chattopadhyay, Tirthartha; Paul, Amrita; Ikbal, Mohammed; Maiti, Mrinal K.; Singh, N. D. Pradeep "Nano-pesticide formulation based on fluorescent organic photoresponsive nanoparticles: for controlled release of 2,4-D and real time monitoring of morphological changes induced by 2,4-D in plant systems" RSC Advances 2015, 5, 86990-86996
12. Atta, Sanghamitra; Paul, Amrita; Banerjee, Rakesh; Bera, Manoranjan; Ikbal, Mohammed; Dhara, Dibakar; Singh, N. D. Pradeep "Photoresponsive polymers based on a coumarin moiety for the controlled release of pesticide 2,4-D" RSC Advances 2015, 51, 99968-99975
13. Samai, Subhasis; Ghosh, Debasish; Das, Uttam K.; Atta, Sanghamitra; Manna, Saikat K.; Maiti, Dilip K. "Water- the best solvent for DMAP-mediated dual cyclization towards metal-free first synthesis of fully substituted phthalimides" Green Chemistry 2016, 18, 2961-2965.

Name of the Faculty member: Dr. Ashoke Sasmal
In Journals

1. Sandeepta Saha, Niladri Biswas, Ashok Sasmal, Carlos J. Gomez-Garcia, Eugenio Garribba, Antonio Bauza, Antonio Frontera, Guillaume Pilet, Georgina M. Rosair, Samiran Mitra, Chirantan Roy Choudhury; Effect of temperature and ligand protonation on the electronic ground state in Cu(II) polymers having unusual secondary interactions: Magnetic and Catechol oxidase study, Dalton Transactions 2018, 47, 16102-16118. (Impact Factor – 4.390)
2. Ashok Sasmal, Eugenio Garribba, Valeria Ugone, Corrado Rizzoli, Samiran Mitra; Synthesis, crystal structures, EPR and DFT studies of first row transition metal complexes of lignin model compound ethylvanillin, Polyhedron, 2017, 121, 107-114. (Impact Factor-3.052)
3. Shyamapada Shit, Ashok Sasmal, Piu Dhal, Corrado Rizzoli, Samiran Mitra; Syntheses, structural variations and fluorescence studies of two dinuclearzinc(II) complexes of a Schiff base ligand with an extended carboxylate side arm, Journal of Molecular Structure, 2016, 1106, 475-781. (Impact Factor-3.196)
4. Sandeepta Saha, Ashok Sasmal, Chirantan Roy Choudhury, GuilliumPilet, Antonio Bauzá, Antonio Frontera, Sharmila Chakraborty, Samiran Mitra; Synthesis, crystal structure, antimicrobial screening activities and DFT studies of Manganese (II), Nickel (II) and Zinc (II) mononuclear Schiff base complexes, InorganicaChimica Acta, 2015, 425, 211-220. (Impact Factor-2.545)
5. Ashok Sasmal, Eugenio Garribba, Carlos J. Gomez-Garcia, Cedric Desplanches, Samiran Mitra, Switching and redox isomerism in first-row transition metal complexes containing redox active Schiff base ligands, Dalton Transactions, 2014, 43, 15958-15967. (Impact Factor-4.390)
6. Ashok Sasmal, Eugenio Garribba, Corrado Rizzoli, Samiran Mitra, Reversible switching of electronic ground state in a pentacoordinatedCu(II) 1D cationic polymer and structural diversity; Inorganic Chemistry, 2014, 53, 6665-6674. (Impact Factor5.165)
7. Piu Dhal, Ashok Sasmal, Carlos J. Gomez-García, Antonio Bauza, Antonio Frontera, Guillaume Pilet, and Samiran Mitra; Copper-assisted hemiacetal synthesis: a Cu(II) chain obtained by a one-step in situ reaction of picolinaldehyde, European Journal of Inorganic Chemistry, 2014, 3271-3278. (Impact Factor-2.524)
8. Ashok Sasmal, Antonio Bauzá, Antonio Frontera, Corrado Rizzoli, Cédric Desplanches, Loïc J. Charbonnière, Samiran Mitra; Relevant and unprecedented CH/σ supramolecular interactions involving σ-aromatic M2X2 Cores, Dalton Transactions, 2014, 43, 6195-6211. (Impact Factor-4.390)
9. Sandeepta Saha, Ashok Sasmal, Chirantan Roy Choudhury, Carlos J. GomezGarcia, Eugenio Garribba, Samiran Mitra; A New Linear Double Phenoxo-Bridged Trinuclear Cu(II) Schiff Base Complex: Synthesis, Crystallographic Elucidation, Magneto-structural Correlation and DFT Study, Polyhedron, 2014, 69, 262-269. (Impact Factor-3.052)

10. Ashok Sasmal, Sandeepta Saha, Carlos J. Gómez-García, Cédric Desplanches, Eugenio Garribba, Antonio Bauzá, Antonio Frontera, Reum Scott, Ray J. Butcher and Samiran Mitra; Reversible switching of the electronic ground state in a pentacoordinatedCu(II) complex, Chemical Communication, 2013, 49, 7806–7808. (Impact Factor-6.222)
11. Sandeepta Saha, Ashok Sasmal, Guillaume Pilet, Antonio Bauzá, Antonio Frontera and Samiran Mitra; An unusual nitroso…nitroso interaction in the coordination polymer structures of Ni(II) and Co(II) complexes with the α,ωbis(benzotriazoloxy)alkane system., CrystEngComm, 2013, 16, 654-666. (Impact Factor-3.545)
12. Ashok Sasmal, Shyamapada Shit, Corrado Rizzoli, Hongfeng Wang, Cédric Desplanches and Samiran Mitra; Framework Solids Based on Copper(II) Halides (Cl/Br) and Methylene-Bridged Bis(1-hydroxybenzotriazole): Synthesis, Crystal Structures, Magneto-Structural Correlation, and Density Functional Theory (DFT) Studies, Inorganic Chemistry, 2012, 51, 10148−10157. (Impact Factor-5.165)
13. Pritha Talukder, Shyamapada Shit, Ashok Sasmal, Stuart R. Batten, BoujemaaMoubaraki, Keith S. Murray, Samiran Mitra; An antiferromagnetically coupled hexanuclearcopper(II) Schiff base complex containing phenoxo and dicyanamido bridges: Structural aspects and magnetic properties, Polyhedron, 2011, 30, 1767- 1773. (Impact Factor-3.052)

Name of the Faculty member: Dr. Manoranjan Maity
In Journals

1. MichałAntkowiak, Mithun Chandra Majee, ManoranjanMaity, Dhrubajyoti Mondal, MichalinaKaj, Monika Lesiów, Alina Bienko, LeeorKronik, Muktimoy Chaudhury, and Grzegorz Kamieniarz; Generalized Heisenberg-Type Magnetic Phenomena in Coordination Polymers with Nickel-Lanthanide Dinuclear Units, Journal of Physical Chemistry C, 2021, 125, 11182 – 11196 (I.F.- 4.189)
2. Prioti Choudhury Purba, ManoranjanMaity, Soumalya Bhattacharyya, Partha Sarathi Mukherjee; A Self-Assembled Palladium(II) Barrel for Binding of Fullerenes and Photosensitization Ability of the Fullerene-Encapsulated Barrel, AngewandteChemie International Edition, 2021, 60, 14109-14116. (I.F.- 15.34)
3. Saumalya Bhattacharya, ManoranjanMaity, Aniket Chowdhury, Manik Lal Saha, Sumit Kumar Panja, Partha Sarathi Mukherjee; Coordination -Assisted Reversible Photoswitching of Spirospyran-Based Platinum Macrocycles, Inorganic Chemistry, 2020, 59, 2083- 2091. (I.F.- 5.165)
4. Prioti Choudhury Purba, Saumalya Bhattacharya, ManoranjanMaity, Sujay Mukhopadhyay, ProdipHowlader, Partha Sarathi Mukherjee; Linkage Induced Enhancement of Fluorescence in Metal-Carbene Bond Directed Metallacycles and Metallacages, Chemical Communication, 2019, 55, 8309 – 8312. (I.F.- 6.0)
5. ManoranjanMaity, ProdipHowlader, and Partha Sarathi Mukherjee; Coordination-Driven Self-assembly of Cyclopentadienyl-Capped Heterometallic Zr–Pd Cages, Crystal Growth & Design, 2018, 18, 6956-6964. (I.F.- 4.07)
6. Mithun Chandra Majee, Sk Md TowsifAbtab, Dhrubajyoti Mondal, ManoranjanMaity,MarekWeselski,MaciejWitwicki, Alina Bieńko, MichałAntkowiak, Grzegorz Kamieniarzc, Muktimoy Chaudhury; Synthesis and magneto-structural studies on a new family of carbonato bridged 3d–4f complexes featuring a [Co II 3LnIII 3 (CO3)] (Ln = La, Gd, Tb, Dy and 4 Ho) core: slow magnetic relaxation displayed by the cobalt(II)–dysprosium(III) analogue, Dalton Transactions, 2018, 47, 3425-3439. (I.F.- 4.174)
7. Sugata Samanta, Sagarika Sanyal, ManoranjanMaity, Muktimoy Chaudhury, Sanjib Ghosh; Unusual Solvent Effect of Molecular Charge Transfer Complexes: Stacking/non-stacking interaction revealed by characterization of structure and photophysical aspects, Journal of Luminescence , 2017, 190, 403-412. (I.F.- 3.58)

8. ManoranjanMaity, Mithun Chandra Majee, Sanchita Kundu, Swarna Kamal Samanta, E. Carolina Sañudo, Sanjib Ghosh, Muktimoy Chaudhury; Pentanuclear 3d−4f Heterometal Complexes of MII 3LnIII 2 (M = Ni, Cu,Zn and Ln = Nd, Gd, Tb) Combinations: Syntheses, Structures, Magnetism, and Photoluminescence Properties, Inorganic Chemistry, 2015, 54, 9715- 9726. (I.F.- 5.165)
9. Sk Md TowsifAbtab, Mithun Chandra Majee, ManoranjanMaity, JánTitiš, Roman Boča, Muktimoy Chaudhury; Tetranuclear Hetero-Metal [CoII 2LnIII 2] (Ln = Gd, Tb, Dy, Ho, La) Complexes Involving Carboxylato Bridges in a Rare μ4−η2:η2 Mode:Synthesis, Crystal Structures, and Magnetic Properties, Inorganic Chemistry, 2014, 53, 1295-1306. (I.F.- 5.165)
10. Kisholoy Bhattacharya, ManoranjanMaity, Sk Md TowsifAbtab, Mithun Chandra Majee, and Muktimoy Chaudhury; Homo- and Heterometal Complexes of Oxido Metal Ions with a Triangular [V(V)O−MO−V(V)O] [M = V(IV) and Re(V)] Core: Reporting Mixed Oxidation Oxido−Vanadium(V/IV/V) Compounds with Valence Trapped Structures, Inorganic Chemistry, 2013, 52, 9597-9605. (I.F.- 5.165)
11. Sk Md TowsifAbtab, ManoranjanMaity, Kisholoy Bhattacharya, E. Carolina Sañudo,andMuktimoy Chaudhury; Syntheses, Structures, and Magnetic Properties of a Family of Tetranuclear Hydroxido-Bridged NiII 2LnIII2 (Ln = La, Gd, Tb, and Dy) Complexes: Display of Slow Magnetic Relaxation by the Zinc(II)−Dysprosium(III) Analogue, Inorganic Chemistry, 2012, 51, 10211-10221. (I.F.- 5.165)
12. Kisholoy Bhattacharya, ManoranjanMaity, Dhrubajyoti Mondal, Akira Endo,andMuktimoy Chaudhury; Targeted Synthesis of Heterobimetallic Compounds Containing a Discrete Vanadium(V)−μ-Oxygen−Iron(III) Core, Inorganic Chemistry, 2012, 51, 4754-4756. (I.F.- 5.165)
13. AnandalokAudhya, ManoranjanMaity, Sk Md TowsifAbtab, Corine Mathonière, Marguerite Kalisz, Rodolphe Clérac; Polyalcohols as ancillary ligands in manganese–oxime chemistry: Syntheses, structures and magnetic properties of a series of trinuclear complexes involving a linear MnII–MnIV–MnII core, Polyhedron, 2012, 33, 353-359. (I.F.- 2.88)
14. Nabanita Kundu, ManoranjanMaity, Pabitra Baran Chatterjee, Simon J. Teat, Akira Endo, Muktimoy Chaudhury; Reporting a Unique Example of Electronic Bistability Observed in the Form of Valence Tautomerism with a Copper(II) Helicate of a Redox-Active Nitrogenous Heterocyclic Ligand, Journal of the American Chemical Society, 2011, 133, 20104-20107. (I.F.- 15.42)
15. AnandalokAudhya, ManoranjanMaity, Kisholoy Bhattacharya, Rodolphe Clerac, and Muktimoy Chaudhury; Tri- and Tetranuclear Nickel(II) Inverse Metallacrown Complexes Involving Oximato Oxygen Linkers: Role of the Guest Anion (Oxo versus Alkoxo) in Controlling the Size of the Ring Topology, Inorganic Chemistry, 2010, 49, 9026-9035. (I.F.- 5.165)
16. AnandalokAudhya, Kisholoy Bhattacharya, ManoranjanMaity, and Muktimoy Chaudhury; Building Metallacrown Topology around a Discrete [M3(μ3-O)] (M = Ni(II) and Pd(II)) Core Using Oximato Oxygen Linkers: Synthesis, Structures, and Spectroscopic Characterization of a New Family of Compounds with an Inverse-9-MC-3 Motif, Inorganic Chemistry, 2010, 49, 5009-5015. (I.F.- 5.165)

Department of Economics

A. Smt. Indrakshi Ghosh

1. Ghosh, I. 2019. Educational Status of Scheduled Caste Women in Four Eastern States of India. International Journal of Research in Social Sciences. ISSN No. 2249-2496

2. Ghosh, I. 2019. Educational Status of Tribal Women in Four Eastern States of India. International Journal of Research in Social Sciences. ISSN No. 2249-2496

B. Dr. Ujjaini Mukhopadhyay

1. Internal Migration within South Asia: Contemporary Issues and Challenges, , 2022, Springer Nature, Singapore.

2. Foreign Direct Investment in Developing Countries: A Theoretical Evaluation, 2014 (with S. Chaudhuri), Springer.

3. Revisiting the Informal Sector: A General Equilibrium Approach, 2009 (with S. Chaudhuri) Springer, New York.

4. 'Public Expenditure on Pre-Tertiary and Tertiary Education: Effects on SkilledUnskilled Wage Inequality' 2022 in Supravat Bagli et al (ed) Persistent and Emerging Challenges to Development: Insights for Policy-making in India, Springer.

5. 'Energy Use and Carbon Dioxide Emission in South Asia: A Decomposition Analysis' 2021 (with R. Pani) in Mausumi Kar et al (ed) South Asia and Climate Change: Unravelling the Conundrum, Routledge Publishers.

6. 'Impact of Covid-19 pandemic on academic performance and work-life balance of women academicians', Asian Journal of Social Science (Elsevier) (forthcoming).

7. 'Gender Gap in Schooling and Wages: Effects of Foreign Capital and Education Subsidies', Review of Economics 73(2), 2022, 131-157. https://doi.org/10.1515/roe-2021-0043 (De Gruyter).

8. 'Emission and sectoral energy intensity: A variance decomposition analysis' (with R.Pani) Management of Environmental Quality, 33(4), 955-974, 2022 (Emerald Publishing, UK).

9. 'Differential Education Subsidy Policy and Wage Inequality between Skilled, Semiskilled and Unskilled Labour: A General Equilibrium Approach', Review of Development and Change, 26(1), 2021 (Sage Publications).

10. 'Trade Liberalization and Gender Inequality: Role of Social Norms', Indian Growth and Development Review, 11(1), 2-21, 2018 (Emerald Publishing, UK).

11. 'Foreign Capital Inflow and Skill Formation: Effects on Skilled-Unskilled Wage Inequality', Journal of Economic Development, 42 (4), 119-136, 2017 (The Economic Research Institute of Chung-Ang University, South Korea).

12. ‘Economic Liberalisation and Gender Inequality in Labour Market: A Theoretical Approach’, Review of Urban and Regional Development Studies, 27 (1), 68-87, 2015 (Blackwell Publishing Asia).

13. ‘Foreign Direct Investment, Environmentally Sound Technology and Informal Sector’, (with S. Chaudhuri) Economic Modelling, 31, 206-213, 2013, (Elsevier).

14. ‘Economic Liberalization, Gender Wage Inequality and Welfare’, (with S. Chaudhuri) Journal of International Trade and Economic Development, 22 (8) 1214-1239, 2013 (Taylor and Francis).

15. ‘Management accounting approach to analyse energy related CO2 emission: A variance analysis study of top 10 emitters of the world’, (with R. Pani) Energy Policy, 52, 2013, 639-655 (Elsevier).

16. ‘Variance Analysis of Global CO2 Emission – A Management Accounting Approach for Decomposition Study’, (with R. Pani) Energy, 36, 486- 499, 2011, (Elsevier).

17. ‘Identifying the Major Players Behind Increasing Global Carbon Dioxide Emissions: A Decomposition Analysis’, (with R. Pani) The Environmentalist (now Environment Systems and Decisions), 30, 183-205, 2010, (Springer, New York).

18. ‘Desirability and Sequence of Liberalization and Structural Reform Policies in a Model with Informal Sector’, Review of Urban and Regional Development Studies, 20 (1), 70-84, 2008, (Blackwell Publishing Asia).

19. ‘International Trade in Wastes, Recycling and the Informal Sector - A Theoretical Analysis’, The Journal of Solid Waste Technology and Management, 33 (4), 210-218, 2007, (Widener University School of Engineering and the University of Pennsylvania).

20. ‘Pollution and Informal Sector: A Theoretical Analysis”, Journal of Economic Integration,

21 (2), 363-378, 2006, (with S. Chaudhuri) (Sejong University, Seoul). 21. ‘Inflow of Foreign Capital and Trade Liberalisation in a Model with an Informal Sector and Urban Unemployment”, (with S. Chaudhuri and S. Yabuuchi) Pacific Economic Review, 11 (1), 87-103, 2006, (Blackwell Publishing Ltd).

22. ‘Free Education Policy and Trade Liberalization: Consequences on Child and Adult Labour Markets in a Small Open Economy’, (with S. Chaudhuri) Journal of Economic Integration, 18 (2), 336-359, 2003, (Sejong University, Seoul).

23. ‘Economic Liberalization and Welfare in a Model of Informal Sector’, (with S. Chaudhuri) The Economics of Transition, 10 (1), 143-172, 2002, (Blackwell Publishers, Oxford).

24. ‘Removal of Protectionism, Foreign Investment and Welfare in a Model of Informal Sector’, (with S. Chaudhuri) Japan and the World Economy, 14, 101116, 2002, (North- Holland Publishers, Amsterdam).

25. 'Employment and Intra-Household Empowerment: Women Workers in Leather Goods Export Sector in Kolkata', Research Bulletin, 45 (I & II), 2019 (The Institute of Cost and Works Accountant of India).

Department of Electronics

A. Sri Pallab Das

1. **PK Das**, S Bhunia, NB Manik "Effect of Trap Energy on Series Resistance of Phenosafranine Dye Based Organic Diode in Presence of TiO2 and ZnO Nanoparticles" Advanced Materials Research (2020) 1159, 112-123
2. S Sen, **PK Das**, NB Manik "Study on the effect of singlewalled carbon nanotubes on junction properties of Safranin–T dye-based organic device", Journal of Physics Communications (2021) 5 (4), 045004
3. **PK Das**, S Sen, NB Manik "Study on the series resistance of crystal violet dye-based organic photovoltaic device in presence of single walled carbon nanotubes", Indian Journal of Physics,(2021) 1-9
4. **PK Das**, S Bhunia, S Basu, NB Manik, "Effect of Dye Concentration on Series Resistance of Thionin Dye-Based Organic Diode", Mathematics Applied to Engineering in Action, (2020) 119-131
5. **PK Das**, S Sen, NB Manik, "Effect of Single Walled Carbon Nanotubes on the Series Resistance and Trap Energy of Malachite Green Dye Based Organic Device", Journal of Nano Research (2021) 69, 43-52
6. **PK Das**, NB Manik, "Tuning of series resistance by reducing the trap energy of methyl red dye-based organic devices in the presence of ZnO nanoparticles", International Journal of Renewable Energy Technology (2021) 12 (2), 118-129
7. Swapan Bhunia, **Pallab Kr. Das**, Sarmistha Basu and Nabin Baran Manik. "Effect of titanium dioxide on solid state turmeric dye thin film" Indian Journal of Chemical Society (2020) 97 (12), 2943-2947
8. Swapan Bhunia, **Pallab Kr. Das** and Nabin Baran Manik, "Effect of dye concentration on the band gap of PVA turmeric composite film" Indian Journal of Chemical Society (2020) 97 (12), 2937-2942

9. Swapan Bhunia, **Pallab Kr. Das,** SubhraRakshit and NabinBaranManik, "Estimation of Charge Carrier Density of Turmeric Dye in the Presence of Polyvinyl Alcohol (PVA) and Its Electrical Characterization as Herbal Diode" January 2022 Journal of Scientific Research 14(14(1)):11-25

10. S Sen, **PK Das**, NB Manik, "Modification of Interfacial Properties of Single Walled Carbon Nanotubes". 2022, Journal of Materials Science and Surface Engineering 9 (1), 1067-1070 ISSN (Online).

11. PK Das, S Sen, NB Manik, "Effect of Single Walled Carbon Nanotubes on the Series Resistance and Trap Energy of Malachite Green dye Based Organic Device", Journal of Nano Research , 2021, 69, 43-52, ISSN 1661-9897

Department of Food & Nutrition

A. Dr. Sudeshna Paul

1. Melatonin chelates iron and binds directly with phenylhydrazine to provide protection against phenylhydrazine induced oxidative damage in red blood cells along with its antioxidant mechanisms: an in vitro study., Sudeshna Paul, Shamreen Naaz, Arnab Kumar Ghosh, Sanatan Mishra, Aindrila Chattopadhyay , Debasish Bandyopadhyay., Melatonin Research (Melatonin Res.),2018, Vol 1 (1) 1-20.doi: 10.32794/mr11250001

2. Aqueous bark extract of *Terminalia arjuna* protects against phenylhydrazine induced oxidative damage in goat red blood cell membrane bound and metabolic enzymes.,Sudeshna Paul, Debosree Ghosh, Arnab Kumar Ghosh, DebajitBhowmick, Debasish Bandyopadhyay, AindrilaChattopadhyay.,International Journal of Pharmacy and Pharmaceutical Sciences, 2016, Vol 8, Issue 5.ISSN 0975-1491.

3. Melatonin protects against lead acetate induced oxidative stress-mediated changes in morphology and metabolic status in rat red blood cells: a flow cytometric and biochemical analysis, Debosree Ghosh, Sudeshna Paul, Shamreen Naaz, Debajit Bhowmik, Mousumi Dutta, Arnab K. Ghosh, Syed Benazir Firdaus, Aindrila Chattopadhyay, Russel J. Reiter and Debasish Bandyopadhyay.,Journal of Pharmacy Research,2016,10(6),381-402 ISSN No: 0974-6943

4. Amelioration of gastrotoxic effect of indomethacin by piperine in male Wistar rats: a novel therapeutic approach, Nirajan Ghosal, Syed Benazir Firdaus, Sudeshna Paul, Shamreen Naaz, Aindrila Chattopadhyay , Prachi Shukla , Garima Jain , Sanjib Pattari , Vinod D. Rangari and Debasish Bandyopadhyay.,Journal of Pharmacy Research , 2016,10(5),240-254,ISSN No:0974-6943

5. Gastroprotective effect of Fenugreek 4-hydroxyisoleucine and trigonelline enriched fraction (TF4H (28%)) Sugaheal® against indomethacin induced ulcer in male wistar rats, Nirajan Ghosal, Syed Benazir Firdaus, Shamreen Naaz, Sudeshna Paul, Arnab Kumar Ghosh, Aindrila Chattopadhyay, Vishwaraman Mohan, Prasad Thakurdesai , Sunil Bhaskaran , Sanjib Pattari and Debasish Bandyopadhyay., Journal of Pharmacy Research , 2016,10(6),351-364, ISSN No: 0974-6943

6. Orally administered aqueous bark extract of Terminalia arjuna protects against adrenaline-induced myocardial injury in rat heart through antioxidant mechanisms: an in vivo and an in vitro study, Sanatan Mishra, Shamreen Naaz, Arnab K. Ghosh, Sudeshna Paul, Nirajan Ghosal, Mousumi Dutta, Debasish Bandyopadhyay, Aindrila Chattopadhyay, Journal of Pharmacy Research, 2016,10(6),454-478, ISSN No:0974-6943.

7. Melatonin and aqueous curry leaf extract in combination protects against lead induced oxidative stress mediated injury to rat heart: a new approach., Debosree Ghosh, Sudeshna Paul, Aindrila Chattopadhyay, Debasish Bandyopadhyay, Journal of Pharmacy Research ,2015,9(12),618-634, ISSN No:0974-6943.

8. Aqueous bark extract of Terminalia arjuna protects against phenylhydrazine induced oxidative damage in goat red blood cell membrane protein, phospholipid asymmetry and structural morphology: a flow cytometric and biochemical analysis, SudeshnaPaul, Arnab Kumar Ghosh, Debosree Ghosh, Mousumi Dutta, Elina Mitra, Monalisa Dey , DebajitBhowmick, Tridib Das, Syed Benazir Firdaus, Sanatan Mishra, Debasish Bandyopadhyay, Aindrila Chattopadhyay., Journal of Pharmacy Research 2014,8(12),1790-1804,ISSN No:0974-6943.

9. Protective effect of antioxidant rich aqueous curry leaf (Murrayakoenigii) extract against gastro-toxic effects of piroxicam in male Wistar rats, Syed Benazir Firdaus, Debosree Ghosh,

AindrilaChattyopadhyay, MousumiDuttaa, Sudeshna Paul, Jagannath Jana, Anjali Basu, Gargi Bose, Hiya Lahiri, Bhaswati Banerjee, Sanjib Pattari, Subhrangshu Chatterjee, Kuladip Jana, Debasish Bandyopadhyaya. Toxicology Reports,1 (2014) 987–1003,2214-7500.

10. Protection against lead-induced oxidative stress in liver and kidneys of male Wistar rats using melatonin and aqueous extracts of the leaves of Murrayakoenigii- A novel combinatorial therapeutic approach, Debosree Ghosh, Syed Benazir Firdaus, Arnab Kumar Ghosh, Sudeshna Paul, Debasish Bandyopadhyay, Journal of Pharmacy Research, 2014,8(3),385-399, ISSN No:0974-6943

11. Aqueous bark extract of Terminalia arjuna protects against adrenaline-induced hepatic damage in male albino rats through antioxidant mechanism(s): a dose response study., Sanatan Mishra, Mousumi Dutta, Sadhan Kumar Mondal, Monalisa Dey, Sudeshna Paul , Aindrila Chattopadhyay , Debasish Bandyopadhyay.,Journal of Pharmacy Research , 2014,8(9),1264-1273, ISSN No:0974-6943

12. Lead induced oxidative stress: a health issue of global concern, Debasish Bandyopadhyay, Debosree Ghosh, Aindrila Chattopadhyay, Syed Benazir Firdaus, Arnab Kumar Ghosh, Sudeshna Paul, Debajit Bhowmik, Sanatan Mishra, KrishnenduDalui. Journal of Pharmacy Research, 2014,8(9),1198-1207, ISSN No:0974-6943

13. Ghosh D, Paul S, Firdaus SB, Mishra S, Bandyopadhyay D, Aqueous Extract of Murrayakoenigii in Combination with Melatonin Provides Better Protection Against Lead Induced Alterations in Blood Corpuscles and Lipid Profile of Male Wistar Rats. Sci. & Cult. 80 (2014) 347.

14. Paul S, Ghosh D, Ghosh A K, Mitra E, Dey M, Chattopadhyay A, Bandyopadhyay D, Lead Induces Oxidative Stress in Rat Heart and Liver Tissue Homogenates: An In Vitro Study. JCTR, 13, (2013) 3829.

B. Sri Arijit Garai

1. Sahoo. A, Garai A and Datta S, Estimation of oxalate content of Bottle Gourd Leaves, Indian Science Cruiser, Vol 33, No. 3 (2019), 41-44

Department of Geography-

A. Smt. Anumita Mondal

1. Mondal. A. "Morphodynamics of Chuksar Island" for "The Observer" Volume-51, University of Calcutta, March, 2013 (ISSN number 2230-9535).

2. Mondal. A. "A comparative study of Coastal Morphology of Gangasagar and Digha Coast, West Bengal" for "The Observer" Volume-53, University of Calcutta, June, 2016 (ISSN number 2230-9535).

3. Mondal. A. "Spatio-temporal Variations in Coastal Morphology of Gangasagar and Digha Coasts, West Bengal" for 29th Conference of IGI, November, 2016, University of Calcutta, Kolkata.

B. Smt. Pinki Nath Ghosh

1. Nath Gosh, P. Impact of backwardness on health- case study Pakhiralaya Village, Gosaba Block, Sundarban, West Bengal, India. IJERR. Vol-20: 28-36 (2019).

C. Supriti Bhattacharyya

1. "An Assessment of Education Scenario in Sikkim: A Case Study on Kaluk and Rinchenpong", 'International Journal of All Research Education and Scientific Methods (IJARESM)' , Volume 9, Issue 4, April-2021, ISSN: 24556211.

2. "Social Networking Sites and Its Impact on Everyday Lives of Urban People- A Case Study of Kolkata", 'Journal of Research in Humanities and Social Science', Volume 9, Issue 4(2021), ISSN: 2321-9467.

3. "West Bengal's Tribal Education, Challenges and NEP 2020", 'International Journal Of Creative Research Thoughts (IJCRT) (UGC Approved) ', Volume 11, Issue 7(2023), ISSN: 2320-2882.

D. Debrupa Chakraborty

1. Chakraborty, D. Disharmony Between Man-Environment Relationship. A serious threat to the Sundarbans wild nature, IJERR, Vol-8: 46-58 (2016).
2. Chakraborty, D. Impact of backwardness on health- case study Pakhiralaya Village, Gosaba Block, Sundarban, West Bengal, India. IJERR. Vol-20: 28-36 (2019).

Department of Mathematics-

A. Dr.Mita Bhadra

1. Bhadra, M. 1989. On the understanding of the observed flat or slowly rising rotation curves in large disk galaxies , Astrophysics and Space Science **152** (1989) 131 – 139.

2. Bhadra, M.1990. Mass depletion from the nucleus of a disk galaxy and its effect on the outer structure of the galaxy Astrophysics and Space Science **166** (1990) 193 – 204.

B. Dr. Umar Farooque Mondal

1. Mondal, F.M. 2013. Energy Distribution of Non-commutative Radiating Schwarchild Black Holes, Int. J of The Theor Phys. 52:96-104

2. Mondal, F.M. 2015.Particles and Scalar Waves in Non- commutative Charged Black Hole Space-time, Commun.Theor. Phys. 64. 1-8.

3. Mondal, F.M. 2015Particle's Motion Around a Non-commutative Black Hole, Int. J of Theor Phys (2015) 54: 1038-1051

4. Mondal, F.M. 2014. Non-commutative Wormholes in f(R) Gravity, Journal of the Korean Physical Society, vol 65,September,pp 917∼925

C. Sri Bibhash Mondal

1. A. Banerjee, A. Char, B. Mondal, Spectra of general hypergraphs , Linear Algebra and its Application , Volume 518,April 2017, Pages 14-30 (https://doi.org/10.1016/j.laa.2016.12.022)

2. S. Guo, B. Mondal, R. Saha , On equivariant Lie–Yamaguti algebras and related structures, Asian European Journal of Mathematics,Vol-16 https://doi.org/10.1142/S1793557123500225

3. B. Mondal, R. Saha, Cohomology, deformations and extensions of Rota-Baxter Leibniz algebras, 24 January 2023, Volume 30 (2022), Issue 2 (https://doi.org/10.46298/cm.10295)

Department: Physics

A. Dr. Anuradha Gupta

1. Electronic absorption spectra of Co2+ in trimethylammonium cobalt chloride dihydrate single crystal. J Phys C: Solid state Physics 19(1986) 4977-4983

2. Low temperature polarized absorption spectra for Ni2+ in trigonal Nickel cadmium chloride single crystals. j Phys Chem Solids 49 no10, 1269- 1273,1988

3. Electronic and Optical properties of AuAl2 and PtAl2. Phys stat solidi b,168,455(1991)

4. Electronic and Optical properties of PtSn2. Phys stat Solidi b,171,77(1992)

5. Electronic stuctures and optical properties of some fluorite structured intermetallics. J Phys I France 4(1994) 1867-1876

B. Dr. Kakoli Mukherjee

1. Structure of an Antimalarial Alkaloid, Jatrorrhiziney R.Ghosh, K. Mukherjee and P.Roychowdhury. ActaCryst(1993) C49, 1665-1667

2. Disodium μ-(Ethylenediaminetetraacetato-N,O,O':N',O'',O''')-di-μ-oxobis{oxomolybdate(v)}(Mo-Mo) Tetrahydrate by K.Mukherjee and P. Roychowdhury. Actacryst.(1995) C51, 32-34

3. N-Benzezesulfonylglycylglycine, (I) and Tetrakis (μ-NBenzezesulfonylglycylglycinato)bis [aquacopper(II)] (Cu-Cu)-Water(1/4),II. By
K.Mukherjee, T.Banerjee and P. Roychowdhury. Acta Cryst (1995), C51, 2025-2028

4. A Titanium Salicylate, Na4[Ti(C7H4O3)3]2.11H2O by R. Dey, K.Mukherjee and P.Roychowdhury., Acta Crystallographica,E, ISSN 1600-5368. 2005

5. Multifractal approach to study of salt induced hypertension and baroreflex dysfunction in salt sensitive dahl rats by Srimonti Dutta and Kakoli Mukherjee , Physica A 515 (2019) 526-536

C. Dr.Kousik Dutta

1. Synthesis, Characterization and Transport Properties of polypyrrole-titaniananocomposite; Ashis Dey, Sukanta De, Kousik Dutta A. De and S. K. De,
International Seminar on Advances in Polymer Technology (APT'04), Kochi, India, Jan 16 -17 , 2004

2. Electrical transport and dielectric properties of zirconia polyaniline hybrid nanocomposites by Ashis Dey, Kousik Dutta and S. K. De, National Conference on Frontiers in Polymer Science and Technology, Polymer Science Unit, Indian Association for the Cultivation of Science, Kolkata, India, 10-12 February, 2006

3. Dielectric and Optical properties of SiO2 polyaniline nanocomposites by Kousik Dutta, Ashis Dey and S. K. De, National Conference on Frontiers in Polymer Science and Technology, Polymer Science Unit Indian Association for the Cultivation of Science, Kolkata, India, 10-12 February, 2006

4. Optical and diode like I-V properties of SnO2-polyaniline – nanocomposites by Kousik Dutta and S. K. De, Department of Physics, Barkatullah University, Bhopal. DAE Solid State Physics Symposium, December 26- 30, 2006

5. High dielectric permittivity in SiO2-polyaniline nanocomposite. Kousik dutta and S. K. De, Journal of Nanoscience and Nanotechnology 6(2006) 499

6 Transport and optical properties of SiO2–polypyrrole nanocomposites Kousik Dutta, S.K. De, Solid State communication 140 (2006) 167

7 Optical and electrical characterization of polyaniline–silicon dioxide

Nanocomposite Kousik Dutta, S.K. De , Physics Letters A 361(2007) 141

8 Optical and diode like current–voltage characteristics of SnO2–polypyrrole Nanocomposites Kousik Dutta and S K De, Journal of physics D: Applied Physics 40 (2007) 734

9 Electrical conductivity and optical properties of polyaniline intercalated graphite oxide nanocomposites. Kousik Dutta and S K De, Journal of Nanoscience and nanotechnology 7 (2007) 2459

10 Optical and electrical characterizations of self-assembled CdS nanorods. KousikDuttaaSukanta De and S. K. De Journal of Applied Physics 101 (2007) 093711

11 Electrical conductivity and dielectric properties of SiO2 nanoparticles dispersed in conducting polymer matrix, Kousik Dutta and S. K. De Journal of Nanoparticle Research 9 (2007) 631

12 Double dielectric relaxations in SnO2 nanparticles dispersed in conducting polymer, Kousik Dutta and S. K. De , Journal of Applied Physics 102 (2007) 084110

13 Optical and electrical cauterization of ZnS Nanoparticles embedded in Conducting polymer, Kousik Dutta and S. K. De Synthetic Metals 159 (2009) 315

14 Optical and nonlinear electrical properties of SnO2-polyaniline Nanocomposites Kousik Dutta and S. K. De Materials Letters 61 (2007) 4967

15 High dielectric permittivity observed in Na and Al doped NiO. Sujit Manna, Kousik Dutta and S. K. De J. Phys. D: applied Physics 41 (2008) 155416

16 Nanomedicine: An Overview, Kousik Dutta, Journal of Advanced Studies, 2014

17 Synthesis of ZnS nanoparticles using Plant leaf extract and study of dielectric properties of ZnS-PPY nanocomposite, International journal of Scientific Research and Review, 4(2015) 194

18 Synthesis and Nonlinear Properties of Inorganic - Organic Hybrid Nanocomposites. Kousik Dutta, Journal of Advanced Studies, 2(2016) 27

19 Synthesis of SnO2 Nanoparticles using plant exactract and study of dielectric properties SnO2 – PPY Nanocomposites, International Journal of Creative Research Thoughts, 4(2016)108

20 Synthesis and characterization of Polypyrole /Graphite oxode nanocomposite and study of electrical properties, Journal of Emerging Technologies and Innovative Research, 4(2017) 347

21 Graphene based polymer Nanocomposites and its Application, Kousik Dutta, Journal of Advanced Studies, 3(2017) 31

22 Green Synthesis : CdS Nanoparticle and Dielectric Properties of CdS – PPY Nanocomposite, International Journal of Research and Analytical Review, 4(2017) 279

23 Green Synthesis and transport properties of ZnS-PPy hybrid nanocomposites, Kousik Dutta , International Journal of Scientific and Engineering Research, 9(2018) 249

24 CdS Nanoparticles: Glucose/Starch Synthesis Method a nd Non Linear Electrical Properties Disperse in Polymer Matrix, Kousik Dutta, e-Journal of Surface Science and Nanotechnology, 16 (2018) 14

25 Impedance Spectroscopy of ZnS Nanoparticles Embedded in Conducting Polymer, Kousik Dutta, International Journal of Scientific Research and Review. 7(2018) 1274

26 Synthesis and Dilectric relaxation in self assembled Cadmium Sulphide nanorods dispersed in conducting polymer. Kousik Dutta, International Journal of Advancd Research and Management, 3(2018) 17

D.Dr.Srimonti Dutta

1. Are morphologies of SERS active substrates multifractals? An in-depth study from multifractal detrended fluctuation analysis Somsubhra Saha, Srimonti Dutta, Joydeep Chowdhury Journal of Raman Spectroscopy 53 (12), 2031-2043

2. Multifractal texture analysis of salivary fern pattern for oral pre-cancers and cancer assessment Neha Sharma, DebaleenaNawn, SawonPratiher, SayaniShome, Ritam Chatterjee, Karabi Biswas, Mousumi Pal, Ranjan Rashmi Paul, Srimonti Dutta, Jyotirmoy Chatterjee IEEE Sensors Journal 21 (7), 9333-9340

3. Multifractal alterations in oral sub-epithelial connective tissue during progression of pre-cancer and cancer DebaleenaNawn, SawonPratiher, SubhankarChattoraj, Debjani Chakraborty, Mousumi Pal, Ranjan Rashmi Paul, Srimonti Dutta, Jyotirmoy Chatterjee IEEE Journal of Biomedical and Health Informatics 25 (1), 152-162

4. Projectile mass and energy dependence of multifractal detrended cross-correlation analysis of pseudorapidity space and azimuthal space in high energy nuclear collisions S Chatterjee, D Ghosh, S Dutta International Journal of Modern Physics E 28 (3), 1950012

5. Multifractal approach to study salt induced hypertension and Baroreflex dysfunction in salt sensitive Dahl rat. S.Dutta, K Mukherjee Physica A Volume 515, 2019, Pages 526–536

6 Chaos Based Non linear analysis to study cardiovascular response to change in posture D.Ghosh, S.Dutta, S.Chakraborty, S.SamantaPhysica A Volume 512, 2018, Pages 392–403

7 Multifractal detrended cross correlation analysis of neuro- degenerative diseases- an in depth study S.Dutta, D.Ghosh ,S. Chatterjee Physica A 491, 2018, Pages 188–198

8 Multifractal detrended cross correlation analysis of atmospheric CO2 concentration and land surface temperature anomalies S. Chatterjee, D.Ghosh, S.Dutta International Journal of Global Warming 16(2) 209-228

9 A multifractal analysis of time series of CO2 concentration. S.Dutta, D.Ghosh ,S. Chatterjee International Journal of Global Warming 14(4) 403-416

10 Decoding the morphological differences between Himalayan Glacial and Fluvial landscapes using multifractal analysis S.Dutta Scientific Reports 7(1) 11032

11 Chaos based Quantitative Electro diagnostic marker for diagonosis of myopathy, neuropathy and motor neuron disease. D.Ghosh, S.Dutta, S.Chakraborty, S.Samanta Journal of Neurology and Neuroscience 8 S4:226

12 Epileptic Seizure: A new approach for quantification of autonomic deregulation with chaos based technique Translational Biomedicine 8 106

13 Multifractal detrended cross correlation analysis of foreign exchange and SENSEX fluctuation in Indian perspective Physica A Volume 463, 2016, Pages 188–201

14 Non linear approach to study the dynamics of neurodegenerative diseases by Multifractal detrended cross correlation analysis-A quantitative assessment on gait disease Physica A Volume 448, 2016, Pages 181–195

15 Multifractal Behaviour of Electricity Bid price in Indian Energy Market Electrical Power and Energy Systems74(2016) 162-171

16 Multifractal Detrended Cross-correlation Analysis of Market Clearing Price of Electricity and SENSEX in India Physica A Volume 434, 2015, Pages 52–59

17 Multifractal detrended cross-correlation analysis of gold price and SENSEX Physica A Volume 413, 2014, Pages 195–204

18 Multifractal detrended cross-correlation analysis for epileptic patient in seizure and seizure free status Chaos, Solitons & Fractals Volume 67, 2014, Pages 1–10

19 Multifractal detrended fluctuation analysis ofpseudorapidity and azimuthal distribution of pions emitted in high energy nuclear collisions International Journal of Modern Physics A Vol. 29 (2014) 1450084

20 Multifractal parameters as an indication of different physiological and pathological states of the human brain Physica A Volume 396, 2014, Pages 155–163

21 Multifractal detrended fluctuation analysis of human gait diseases Front Physiol. 2013; 4: 274

22 Void Probability Enhanced Multiplicity Distribution of Produced Hadrons in p-p Collisions at LHC Energies Mod. Phys. Lett. A 27 (2012) 1250145

23 Fluctuation of Gold Price: A Multifractal Approach Acta Physica Polonica B 43 (2012) 1261

24 Multifractality of Radon Concentration Fluctuation in Earthquake Related Signal Fractals 20 (2012) 33-39

25 Extraction of Clan Model Parameters from Multiplicity Distribution Measured in pp Collisions at LHC Energies Mod. Phys. Lett. A, Vol. 26, No. 39 (2011) pp. 2951-2961

26 Multifractal Properties of ECG Pattern of Patients Suffering from Congestive Heart Failure J. Stat. Mech. (2010) P12021

27 EEG pattern of normal and epileptic rats: monofractal or multifractal? Fractals 18 (2010) 425

28 Multifractal detrended fluctuation analysis of SENSEX fluctuation in the Indian stock market Canadian Journal of Physics 88:(8) 545(2010)

29 Non-monotonic Target Excitation Dependence of Pion Clans in Relativistic Nucleus-Nucleus Collisions International Journal of Modern Physics A 25 1507(2010)

30 Pionization at AGS and SPS energies degree of coherence and its target excitation dependence Canadian Journal of Physics 87 311(2009)

31 Quantitative Estimate of Pion Fluctuation and its Multiplicity Dependence in Nuclear Collisions Phys. Scr. 79 025102(2009)

32 Pion Fluctuation and its Multiplicity Dependence in Ultrarelativistic Nuclear Collisions Canadian Journal of Physics 86(5) 751(2008)

33 Void Analysis of Pions and its Multiplicity Dependence at Dubna and SPS Energies Phys. Scr.77 015201(2008)

34 Multifractality and Multifractal Pionic Specific Heat in Nuclear Collisions — Target Excitation Dependence Fractals 15 391(2007)

35 Higher Order Correlation of Pions and its Target Excitation Dependence in Relativistic and Ultrarelativistic Nuclear Collisions J. Phys. G: Nucl. Part. Phys. 34 2567(2007)

36 Target Excitation Dependence of Pion Fluctuation in Relativistic Heavy Ion Collision at 2.1 and 60 AGeV Phys. Scr.75 676(2007)

37 Fluctuation of Pions in Relativistic and Ultrarelativistic Nuclear Collisions— Scale Dependent or not? Fizika B 16(2) 67(2007)

38 Excitation Energy Dependence of Pion Fluctuation -an Indepth Study J. Phys. G: Nucl. Part. Phys. 32 1241(2006)

39 Multi-dimensional fluctuation analysis of target residue in nuclear collisions Indian Journal of Physics 80(7) 751 (2006)

E. Dr. Atish Dipankar Jana

1. Ligand mediated structural diversity of copper (II)-azido moiety: Synthesis, structure and magnetic study M Ghosh, PP Chakrabarty, AD Jana, D Schollmeyer, H Sakiyama, et *al.* Inorganica Chimica Acta 531, 120713 2022
2. Carboxylato Bridged Cyclic SBUs as Robust Features in a Series of Cu (II) Coordination Polymers and Halogen··· Halogen Interactions in Crystal Packing S Naaz, B Debnath, S Islam, S Khan, F Ahmed, B Dutta, AD Jana, MH Mir Crystal Growth & Design 22 (2), 1253-1262 2022
3. Protonation induced self-complementarity of rod-like Cu (NTA)(bpeH) units and theirlayered supramolecular self-assembly entrapping heptamer like water clusters D Singha, S Sarkar, N Pal, AD Jana Results in Chemistry 4, 100421 2022
4. Electronic structure exploration of the fluxional B4 subunit of B13+ tri-spoke wheel for understating its rotor action SR Ghosh, AD Jana Materials Today: Proceedings 58, 668-676 2022
5. Effect of alkali atom doping on the electronic structure and aromatic character of planar and quasi-planar Al_{13}^{+} clusters S Guin, AD Jana Journal of Molecular Modeling 27 (8), 235 2021
6. Role of imidazole edge to edge supramolecular interaction in the crystal packing of Cu (II)(SCN−) 2 (imidazole) 2 complex: A novel variety of supramolecular interaction … S Sarkar, SR Ghosh, P Brandão, AD Jana Journal of Molecular Structure 1227, 129513 2021
7. Development of a zero-cost multichannel analyser based on digital signal processing for -ray spectroscopy using the PC sound card A Jana, SK Singh, A Gupta, S Das, K Basu, S Samanta, R Raut, et *al.* Pramana 94 (1), 20 2020
8. DFT based QSAR studies on 2-aziridinyl and 2, 3-bis (aziridinyl)-1, 4-naphthoquinonyl sulfonate and acylate derivatives as an anti-malarial agent A Sarkara, BK Sarkarb, AD Jana J. Indian Chem. Soc 97 (9b), 1590-1595 2021
9. Simple, Efficient and Economically Viable Techniques for temperature dependant Thermopower data acquisition of Thermoelectric materials S Mahakal, D Das, A Jana, A Banerjee, K Malik Journal of Physics: Conference Series 1579 (1), 012020 2020
10. Planarity does not always mean higher aromaticity–Intriguing metalloaromaticity of three Al13+ isomers S Guin, SR Ghosh, AD Jana Journal of Molecular Graphics and Modelling 97, 107544 2020

11. $B_{13}^{+}$is a Tri-Spoke Wheel: A New Revelation through Electronic Structure Analysis
SR Ghosh, AD Jana ChemistrySelect 5 (13), 3906-3916 2020

12. Electrically conductive Cu (II)-based 1D coordination polymer with theoretical insight S Islam, P Das, S Maiti, S Khan, S Maity, P Ghosh, AD Jana, PP Ray et *al.* Dalton Transactions 49 (43), 15323-15331 2020

13. Stabilization of cyclic water tetramers and dimers in the crystal host of 2D coordination networks: electrical conductivity and dielectric studies B Dutta, SR Ghosh, A Ray, S Jana, C Sinha, S Das, AD Jana, MH Mir New Journal of Chemistry 44 (37), 15857-15870 2020

14. Water dimer isomers: interaction energies and electronic structure SR Ghosh, B Debnath, AD Jana Journal of Molecular Modeling 26 (1), 20 2020

15. Synthesis, structure and catalytic promiscuity of a napthyl-pyrazole Mn (II) complex and structure–activity relationships A Jana, P Brandão, H Jana, AD Jana, G Mondal, P Bera, A Santra, et *al.* Journal of Coordination Chemistry 72 (16), 2636-2653 2019

16. Metal–ligand ring aromaticity in a 2D coordination polymer used as a photosensitive electronic device F Ahmed, SR Ghosh, S Halder, S Guin, SM Alam, PP Ray, AD Jana, et *al.* New Journal of Chemistry 43 (6), 2710-2717 2019

17. First report of a planar and a quasi-planar Al_{13}^{+} cluster having localized antiaromatic deltas within an aromatic sea: NICS, ELF, AIM, and AdNDP bonding analysis S Guin, SR Ghosh, AD Jana Journal of Molecular Modeling 24, 1-14 2018

18. Synthesis, characterization, cytotoxicity effect and DNA cleavage study of symmetric dinuclear chloro and azido bridged copper (II) complexes of napthyl-pyrazole based ligand A Jana, P Brandão, G Mondal, P Bera, A Santra, AD Jana et *al.* Inorganica Chimica Acta 482, 621-634 2018

19. Water tetramer confinement and photosensitive Schottky behavior of a 2D coordination polymer F Ahmed, J Datta, S Sarkar, B Dutta, AD Jana, PP Ray, MH Mir ChemistrySelect 3 (24), 6985-6991 2018

20. Induction of chirality through change of substitution in cadmium (II) complexes of 2-benzoylpyridine and 2-acetylpyridine based Schiff bases-Crystal structure, luminescence and … S Mondal, AD Jana Journal of Molecular Structure 1154, 348-353 2018

21. Molecular Modeling of 4′, 5-Disubstituted Biphenyl Acetic Acid Molecules for their Anti-inflammatory Activity through 3D-QSAR, Docking and Molecular Dynamics Simulation A SARKAR, AD JANA Asian Journal of Chemistry 30 (11), 2437-2444 2018

22. Study of radical scavenging activities of a series of flavonoids through 3D-QSAR analysis
A Sarkar, AD Jana, N Giri Asian J. Chem 30, 2394-2398 2018

23. Synthesis, crystal structure, Hirshfeld surface analysis, electronic structure through DFT study and fluorescence properties of a new anthracene based organic tecton N Pal, D Singha, AD Jana Journal of Molecular Structure 1145, 102-111 2017

24. A phenoxo–azido assorted Schiff base copper (II) bridged dimer in trace level fluorescence sensing of a pesticide: a DFT supported phenomenon PP Chakrabarty, S Giri, K Sen, S Saha, AD Jana, SG Granda, S Haldar, et *al.*. Journal of Coordination Chemistry 69 (19), 2881-2894 2016

25. A dynamic metal–organic supramolecular host based on weak π-stacking interactions incorporating 2D water-chloride-methanolic supramolecular sheet R Saha, S Goswami, S Biswas, IM Steele, K Dey, AD Jana, S Kumar Inorganica Chimica Acta 423, 123-132 2014

26. Synthesis, characterization, structural investigation, and antimicrobial studies of mononuclear Zn (II), Cd (II), and Ag (I) complexes of an N3O Schiff base PK Pal, A Banerjee, R Bhadra, AD Jana, GK Patra Journal of Coordination Chemistry 67 (18), 3107-3120 2014

27. Dicyanamide mediated construction of 1D polymeric networks of quinoxaline with d10 metal ions: Synthesis, thermogravimetric analysis, photoluminescence and a theoretical … P Chakraborty, S Mondal, S Das, AD Jana, D Das Polyhedron 70, 11-19 2014

28. Encapsulation of a double-helical water–nitrate chain inside unique double helical chiral channels formed from Keggin POM and hexaquo-cobalt (II) units R Chatterjee, L Paul, DK Hazra, N Pal, AD Jana, M Mukherjee, M Ali Polyhedron 68, 265-271 2014

29. Synthesis, characterization, X-ray crystallography, and antimicrobial activities of Ni (II) and Cu (II) complexes with a salicylaldehyde-based thiosemicarbazone ligand NC Saha, R Pradhan, M Das, N Khatun, D Mitra, A Samanta, AMZ Slawin, et *al.* ournal of Coordination Chemistry 67 (2), 286-299 2014

30. Copper (II) induced oxidative modification and complexation of a schiff base ligand: synthesis, crystal structure, catalytic oxidation of aromatic hydrocarbons and DFT calculation S Biswas, A Dutta, M Dolai, M Debnath, AD Jana, M Ali RSC advances 4 (65), 34248-3425 2014

31. Unexplored analytics of some novel 3d–4f heterometallic Schiff base complexes PP Chakrabarty, S Saha, K Sen, AD Jana, D Dey, D Schollmeyer et *al.* RSC advances 4 (77), 40794-40802 2014

32. Ligand mediated structural diversity and role of different weak interactions in molecular self-assembly of a series of copper (II)–sodium (I) Schiff-base heterometallic complexes D Biswas, PP Chakrabarty, S Saha, AD Jana, D Schollmeyer et *al.* Inorganica Chimica Acta 408, 172-180 2013

33. Quantitative estimation of the antiferromagnetic interaction between Cu (II) and Sm (III) in two dimensional heterometallic coordination polymer with isonicotinic acid as tectons S Saha, D Biswas, PP Chakrabarty, D Schollmeyer, AD Jana, H Sakiyama, et *al. 201* Inorganic Chemistry Communications 36, 212-215 2013

34. Copper (I) and silver (I) coordination assemblies of imino-pyridyl and azino-pyridyl ligands: Syntheses, crystal structures, spectroscopic and photophysical properties A Mukherjee, A Dutta, AD Jana, GK Patra Inorganica Chimica Acta 404, 131-143 2013

35. Transformation of a Mother Crystal to a Daughter Crystal through Amorphous Phase: De-assembly of Coordination Helices upon Heating and Re-assembly through Aquation R Saha, SK Dey, S Biswas, AD Jana, S Kumar Crystal growth & design 13 (5), 2135-2142 2013

36. Stabilization of 2D water sheets in a supramolecular metal–organic Schiff base complex: Reversible structural transformation upon dehydration–rehydration R Saha, S Biswas, IM Steele, K Dey, AD Jana, S Kumar Inorganica Chimica Acta 399, 200-207 2013

37. Azide-bridged manganese (III) one-dimensional chain: synthesis, structure, and magnetic study PP Chakrabarty, S Saha, D Schollmeyer, AK Boudalis, AD Jana, et *al.* Journal of Coordination Chemistry 66 (1), 9-17 2013

38. Molecular architecture using novel types of non-covalent π-interactions involving aromatic neutrals, aromatic cations and π-anions SK Seth, P Manna, NJ Singh, M Mitra, AD Jana, A Das, SR Choudhury, et *al.*. CrystEngComm 15 (7), 1285-1288 2013

39. Single pot synthesis of pyridine-N-oxide based polymeric complexes of cadmium and manganese: Crystal structure and luminescence property S Mondal, A Guha, E Suresh, AD Jana, A Banerjee Journal of Molecular Structure 1029, 169-174 2012

40. First crystallographic report on a novel 2D layer of water pentagons: L5 (7) water motif enclathrating [Co (cyclam) Cl2] A Jana, AD Jana, I Bhowmick, T Mistri, M Dolai, KK Das, A Panja, M Ali Inorganic Chemistry Communications 24, 157-161 2012

41. Substitution dependent dimensionality of cadmium (II) coordination polymers of imino pyridyl ligands PK Pal, S Mohapatra, AD Jana, GK Patra Journal of Molecular Structure 1015, 156-161 2012

42. Sodium ion assisted molecular self-assembly in a class of Schiff-base copper (II) complexes PP Chakrabarty, D Biswas, S García-Granda, AD Jana, S Saha Polyhedron 35 (1), 108-115 2012

43. σ-Aromaticity in dinuclear copper (ii) complexes: Novel interaction between perchlorate anion and σ-aromatic [Cu 2 X 2](X= N or O) core I Banerjee, M Dolai, AD Jana, KK Das, M Ali CrystEngComm 14 (15), 4972-4975 2012

44. A rare supramolecular assembly involving ion pairs of coordination complexes with a host–guest relationship: synthesis, crystal structure, photoluminescence and thermal study SC Manna, S Mistri, AD Jana CrystEngComm 14 (21), 7415-7422 2012

45. On the possibility of tuning molecular edges to direct supramolecular self-assembly in coumarin derivatives through cooperative weak forces: crystallographic and Hirshfeld … SK Seth, D Sarkar, AD Jana, T Kar Crystal growth & design 11 (11), 4837-4849 2011

46. Unprecedented pi center dot center dot center dot pi interaction between an aromatic ring and a pseudo-aromatic ring formed through intramolecular H-bonding in a bidentate … A Dutta, AD Jana, S Gangopadhyay, KK Das, J Marek, R Marek, J Brus, et *al.* Physical Chemistry Chemical Physics 13 (35), 15845-1585 2011

47. Unprecedented π⋯ π interaction between an aromatic ring and a pseudo-aromatic ring formed through intramolecular H-bonding in a bidentate Schiff base ligand: crystal structure … A Dutta, AD Jana, S Gangopadhyay, KK Das, J Marek, R Marek, J Brus, et *al.* Physical Chemistry Chemical Physics 13 (35), 15845-15853 2011

48. Cluster based copper (II)-azide polymer: Synthesis, structure and magnetic studyS Saha, D Biswas, PP Chakrabarty, AD Jana, AK Boudalis, SK Seth, T KarPolyhedron 29 (18), 3342-3348 2010

49. Design of Tri-Substituted Dodecatungstosilicate from a Trilacunary Silicotungstate by Insertion of Manganese Ions of [Mn3 (μ3-O)(2-Cl-benzoato) 6 (py) 3]: Synthesis, Structure … D Dutta, AD

Jana, M Debnath, G Mostafa, R Clérac, JG Tojal, M Ali European Journal of Inorganic Chemistry 2010 (35), 5517-5522 2010

50. A μ_3-Alkoxo-Bridged Tetranuclear $[Cu_4L_2]$ Copper(II) Complex of a Hexadentate N_2O_4 Donor Ligand with a [6 + 0] Cu_4O_4 Cubane Core: Synthesis, Crystal … D Maity, AD Jana, M Debnath, NGR Hearns, MH Sie, HM Lee, R Clérac, ... European Journal of Inorganic Chemistry 2010 (22), 3484-3490 2010

51. Arylazoimidazoliumchloride and chlorometallates: Spectroscopic and structural characterization S Halder, G Saha, BG Chand, AD Jana, G Mostafa, J Cheng, TH Lu, et *al.* Inorganica Chimica Acta 363 (10), 2080-2088 2010

52. Co-operation of pi center dot center dot center dot pi, Cu (II) center dot center dot center dot pi, carbonyl center dot center dot center dot pi and hydrogen-bonding forces … SR Choudhury, HM Lee, TH Hsiao, E Colacio, AD Jana, S Mukhopadhyay Journal of Molecular Structure 967 (1-3), 131-139 2010

53. Co-operation of π⋯ π, Cu (II)⋯ π, carbonyl⋯ π and hydrogen-bonding forces leading to the formation of water cluster mimics observed in the reassessed crystal structure of [Cu …SR Choudhury, HM Lee, TH Hsiao, E Colacio, AD Jana, S Mukhopadhyay Journal of Molecular Structure 967 (1-3), 131-139 2010

54. Intriguing π^+–π Interaction in Crystal Packing A Das, AD Jana, SK Seth, B Dey, SR Choudhury, T Kar, S Mukhopadhyay, et *al.* The Journal of Physical Chemistry B 114 (12), 4166-4170 2010

55. Three dimensional metal–malonate frameworks with pillared layered architecture: Unusual role of metal–chelate as pillar B Dey, A Das, SR Choudhury, AD Jana, LP Lu, ML Zhu, S Mukhopadhyay Inorganica Chimica Acta 363 (5), 981-987 2010

56. Acyclic water pentamer induces novel supramolecular ribbed sheet: Cooperativity and competitiveness of weak and covalent forces? AD Jana, R Saha, G Mostafa Journal of Molecular Structure 966 (1-3), 64-68 2010

57. Effect of protonated aminopyridines on the structural divergences of M (II)–malonate complexes (M= Cu, Ni, Co) A Das, B Dey, AD Jana, J Hemming, M Helliwell, HM Lee, TH Hsiao, et *al.* Polyhedron 29 (4), 1317-1325 2010

58. Robust 1D open rack-like architecture in coordination polymers of Anderson POMs [{Na 4 (H 2 O) 14}{Cu (gly)} 2][TeMo 6 O 24] and [{Cu (en) 2} 3 {TeW 6 O 24}]: synthesis … D Dutta, AD Jana, M Debnath, A Bhaumik, J Marek, M Ali Dalton Transactions 39 (48), 11551-11559 2010

59. 2D water layer enclathrated between Mn (II)–Ni (CN) 4 coordination frameworks A Ray, I Bhowmick, WS Sheldrick, AD Jana, M Ali Journal of Solid State Chemistry 182 (10), 2608-2612 2009

60. Role of weak interactions in controlling the topology of coordination polymeric chains in [Pt (CN) 4] 2− bridged Cu (II) complexes: Syntheses, crystal structure and magnetic … AD Jana, R Saha, AK Ghosh, S Manna, J Ribas, NR Chaudhuri, et *al.* Polyhedron 28 (14), 3065-3077 2009

61. Water− Chloride and Water− Bromide Hydrogen-Bonded Networks: Influence of the Nature of the Halide Ions on the Stability of the Supramolecular Assemblies B Dey, SR Choudhury, P Gamez,

AV Vargiu, A Robertazzi, CY Chen, et al., The Journal of Physical Chemistry A 113 (30), 8626-8634 2009

62. Use of π–π forces to steer the assembly of a NTA complex of Cu (II) into hydrogen bonded supramolecular layers (H3NTA= nitrilotriacetic acid) B Dey, SR Choudhury, E Suresh, AD Jana, S Mukhopadhyay Journal of Molecular Structure 921 (1-3), 268-273 2009

63. Concomitant polymorphism of an antiferromagnetically coupled dicopper (II, II) complex with single strand helical assembly: Synthesis, structure, DSC, magnetic and … M Mijanuddin, AD Jana, MGB Drew, CS Hong, B Chattopadhyay, et *al.*, Polyhedron 28 (4), 665-672 2009

64. Segregated self-assembly and pillaring action of aliphatic dicarboxylic acids in the super structure of Cu–picolinate complexes C Biswas, AD Jana, MGB Drew, G Mostafa, A Ghosh Polyhedron 28 (4), 653-660 2009

65. Geometrical isomers of [TEAH][Co (L Se) 2]· x H 2 O: synthesis, structural, spectroscopic and computational studies M Mijanuddin, AD Jana, A Ray, MGB Drew, KK Das, A Pramanik, M Ali Dalton Transactions, 5164-5170 2009

66. The first crystallographic observation of up to the third hydration layer of Cu (II) ion in an unusual 'water-cation layer'templated by an Anderson polyoxometallate M Ali, D Dutta, S Biswas, J Marek, AD Jana CrystEngComm 11 (12), 2608-2610 2009

67. Robust recognition of malonate and 2-amino-4-picolinium in conjunction with M (II) as a triad (M= Ni/Co/Mn): role of this highly stable hydrogen-bonded motif in driving … SR Choudhury, B Dey, S Das, A Robertazzi, AD Jana, CY Chen, HM Lee, ... Dalton Transactions, 7617-7624 2009

68. Cyanometallate incorporated supramolecular networks based on a nitroalkyl-substituted CuIIN4 precursor: Synthesis, crystal structure, thermal and electrochemical studies A Ray, PC Mandal, AD Jana, WS Sheldrick, S Mondal, M Mukherjee, M Ali Polyhedron 27 (14), 3112-3122 2008

69. A tridentate in situ generated ligand that directs the self-assembly of a transition metal complex: Synthesis and structural characterization of cis-dichloro [1-(2-aminoethyl … B Dey, SR Choudhury, S Das, AD Jana, LP Lu, ML Zhu, A Dutta, et *al.* Polyhedron 27 (13), 2899-2904

70. 2D parallel interpenetration of [M {sub 2}(bpp){sub 4} X {sub 4}][M, Fe (II)/Co (II); bpp, 4, 4'-trimethylenedipyridine; X, SCN {sup-}, SeCN {sup-} and N {sub 3}{sup … SC Manna, AD Jana, GM Rosair, MGB Drew, G Mostafa Journal of Solid State Chemistry 181 (3) 2008

71. Polymorphism in [Co (SCN) 4 (ppz-H) 2](ppz, piperazine) SC Manna, AD Jana, MGB Drew, G Mostafa, NR Chaudhuri Polyhedron 27 (4), 1280-1286 2008

72. 2D parallel interpenetration of [M2 (bpp) 4X4][M, Fe (II)/Co (II); bpp, 4, 4′-trimethylenedipyridine; X, SCN−, SeCN− and N3−] complexes: Pseudohalide-dependent conformation of bpp SC Manna, AD Jana, GM Rosair, MGB Drew, G Mostafa, NR Chaudhuri Journal of Solid State Chemistry 181 (3), 457-466 2008

73. Organization of the Ru_2Na Moiety of a Phenazine Ligand Into a New Coordination Network Promoted by ClO_4–Aromatic-π Interactions P Banerjee, AD Jana, G Mostafa, S Goswami European Journal of Inorganic Chemistry 2008 (1), 44-47

74. pH-triggered changes in the supramolecular self-assembly of Cu (II) malonate complexes SR Choudhury, AD Jana, CY Chen, A Dutta, E Colacio, HM Lee, et *al.* CrystEngComm 10 (10), 1358-1363 2007

75. Facile synthesis of silver nano particles with highly efficient anti-microbial property S Sarkar, AD Jana, SK Samanta, G Mostafa Polyhedron 26 (15), 4419-4426 2007

76. 4, 4 '-Dipyridyl-N, N '-dioxide Complexes of Metal-Thiocyanate/Selenocyanate: π-Stacked Molecular Rods as Three-Dimensional Support for Two-Dimensional Polymeric Sheets and … AD Jana, SC Manna, GM Rosair, MGB Drew, G Mostafa, et *al.* Crystal growth & design 7 (7), 1365-1372 2007

77. Crowned Tetrameric Spirocyclic Water Chain: An Unusual Building Block of a Supramolecular Metal– Organic Host SR Choudhury, AD Jana, E Colacio, HM Lee, G Mostafa, et *al.* Crystal growth & design 7 (2), 212-214 2007

78. Crystal engineering through [Hg (SCN)(4)](2-) templates: S center dot center dot center dot S interaction mediated 3-D parallel interpenetration in the self-assembled … R Ghosh, AD Jana, S Pal, G Mostafa, HK Fun, BK Ghosh CRYSTENGCOMM 9 (5), 353-357 2007

79. Towards rational design of supramolecular helices using linear pseudohalides in Cd (ii)-2, 2′-biimidazole system AD Jana, AK Ghosh, D Ghoshal, G Mostafa, NR Chaudhuri CrystEngComm 9 (4), 304-312 2007

80. Crystal engineering through [Hg (SCN) 4] 2− templates: S⋯ S interaction mediated 3-D parallel interpenetration in the self-assembled superstructure of [Hg (SCN) 4] 2− and … R Ghosh, AD Jana, S Pal, G Mostafa, HK Fun, BK Ghosh CrystEngComm 9 (5), 353-357 2007

81. Iodo bridged lead(II) compounds of azoimidazoles: Single crystal X-ray structures of [di-iodo-{1-methyl-2-(*p*-tolylazo)imidazole}lead(II)]$_n$ and {1-methyl-3-benzyl-2-(*p*-tolylazo …
KK Sarker, AD Jana, G Mostafa, JS Wu, TH Lu, C Sinha Inorganica chimica acta 359 (13), 4377-4385 2006

82. Synthesis, spectral characterisation, and electrochemistry of bis-(2, 2′-bipyridine)(1-alkyl-2-(naphthylazo) imidazole) ruthenium (II) complexes: X-ray crystal structure of … J Dinda, S Senapoti, T Mondal, AD Jana, MY Chiang, TH Lu, C Sinha Polyhedron 25 (5), 1125-1132 2006

83. Toward the Recognition of Enolates/Dicarboxylates: Syntheses and X-ray Crystal Structures of Supramolecular Architectures of Zn (II)/Cd (II) Using 2, 2 '-Biimidazole AK Ghosh, AD Jana, D Ghoshal, G Mostafa, NR Chaudhuri Crystal growth & design 6 (3), 701-707 2006

84. Cd (II)–NCS/NCO complexes of 1-alkyl-2-(arylazo) imidazole: Single crystal X-ray structure of [Cd (HaaiMe) 2 (SCN) 2] KK Sarker, BG Chand, AD Jana, G Mostafa, C Sinha Inorganica chimica acta 359 (2), 695-700 2006

85. Formation of a supramolecular ladder using dinuclear dicyanamide bridged Cu (II) species: Synthesis, crystal structure and magnetic property D Ghoshal, AD Jana, TK Maji, G MostafaInorganica chimica acta 359 (2), 690-694 2006

86. Metallicity distribution of F-dwarf stars in the solar neighbourhood NC Rana, AD Jana Journal of Astrophysics and Astronomy 15, 197-200 1994

F. Dr. Arnab Kumar Das

1. Arnab Kumar Das, Manoranjan Kar and Ananthakrishanan Srinivasan, "Room temperature ferromagnetism in undoped ZnO nanofibers prepared by electrospinning" Physica B 448 (2014) 112-114

2. Arnab Kumar Das and Ananthakrishnan Srinivasan, "Evidence of oxygen defect induced ferromagnetism in heat treated electrospunZnO nanowires", J. Magn. Magn. Mater. 404 (2016) 190-196

3. Arnab Kumar Das and Ananthakrishnan Srinivasan, "Band gap tuning and defects suppression upon Mg doping in electrospunZnO nanowires", J. Mater. Sci. Mater. Electron. 28 (2017) 6488-6492

4. Arnab Kumar Das and Ananthakrishnan Srinivasan, "Magnetic and structural properties of Co doped ZnO nanowires prepared by heat treatment of electrospun PVA nanofibers containing Zn and Co acetates", J. Mater. Sci. Mater. Electron. 29 (2018) 4351-4356

5. Arnab Kumar Das and Ananthakrishnan Srinivasan, "Structural and magnetic properties of sol-gel derived CaFe2O4 nanoparticles", J. Magn. Magn. Mater. 451 (2018) 526-531

6. Bhagaban Kisan, P. Ravikumar, Arnab Kumar Das, A. Srinivasan and A. Perumal, "Structural, Vibrational, Optical and magnetic properties of NiO nanoparticles" J. Sci. Lett 4 (2015) 160-175

7. Arnab Kumar Das and Ananthakrishnan Srinivasan, Structural transition and associated magnetic properties of heat treated electrospun one-dimensional CaFe2O4, Chemical Physics Letter, 2021

8. Arnab Kumar Dar et. al. Comparative Study of ZnONanomaterialsSynthesized by Green and Electrospinning Methods, Journal of Nano Research, 2021.

Department of Statistics

A. Dr. Rijji Sen

1. Bayes study of inverse Gaussian based strength models with accelerating stress, Communications in Statistics Simulation and Computation, Rijji Sen, Satyanshu K. Upadhyaya, 1532-4141 Published online: 01 Sep 2021
2. Bayes analysis of some important lifetime models using MCMC based approaches when the observations are left truncated and right censored. Reliability Engineering and System Safety, Rakesh Ranjan, Rijji Sen, Satyanshu K. Upadhyaya, 1879-0836 Volume- 214 (2021).
3. A Bayes Analysis of ARMA Models for Predicting GDP Growth Rate of India Statistics in Transition new series, Statistics Poland, Praveen Kumar Tripathi, Rijji Sen, S.K. Upadhyay 1234-7655 (print) 2450-0291 (online) Vol.22, No.2, pp. 1– 12, June 2021

4. A Bayes Analysis of Inverse Gaussian based Accelerated Test Models, International Journal of Reliability, Quality and Safety Engineering, Rijji Sen and S K. Upadhyay 0218-5393 (print) 1793-6446 (online) Volume- 26, Issue- 2, April, 2019
5. A simple Bayes analysis of Weibull Based Accelerated Test Model, International Journal of System Assurance Engineering and Management, Rijji Sen, Rakesh Ranjan and S.K. Upadhyay 0975-6809 Vol-8 Supplement-1, January 2017
6. Bayesian Analysis of Exponentiated Exponential Distribution through Gibbs Sampler Algorithm Research and Review Journal of Statistics S.K. Upadhyay, Meena Vazirani, I.A. Javed, Rijji Sen (Print): 2348-7909 (Online):2 278-2273 Special Issue Volume 1, 2014 on Recent Statistical Methodologies and Applications.

Department of Zoology

A. Dr. Waliza Ansar

1. Waliza Ansar, Sumi Mukhopadhyay nee Bandyopadhyay, Suchandra Chowdhury, SK. Hasan Habib and Chitra Mandal. Role of C-reactive protein in Complement-mediated hemolysis in Malaria. Glycoconj J. 2006.23:233-240.
2. Waliza Ansar, SK. Hasan Habib, Samir Roy, Chhabinath Mandal and Chitra Mandal. Unraveling the C-reactive protein complement-cascade in destruction of red blood cells: Potential pathological implications in Plasmodium falciparum malaria. Cellular. Physiol. Biochem. 2009.23:175-190.
3. Waliza Ansar, Sumi Mukhopadhyay, Shyamasree Basu, SK. Hasan Habib, Bibhuti Saha, Asish Kumar Sen, Chhabinath Mandal and Chitra Mandal. Disease-associated glycosylated molecular variants of human C-reactive protein activate complement-mediated hemolysis of erythrocytes in tuberculosis and Indian Visceral leishmaniasis, Glycoconj J. 2009.26:1151-1169.
4. Waliza Ansar and Shyamasree Ghosh. C-reactive protein and disease biology. Immunologic Research, 2013. 56(1):131-42.
5. Waliza Ansar and Shyamasree Ghosh. Monoclonal Antibodies: A tool in Clinical Research. Indian J of Clinical Medicine, 2013.4:9-21.
6. Shyamasree Ghosh and Waliza Ansar. Indoor Air Pollution: Impact of health and stem cells. Journal of stem cells. 2014.9 (4):269-281. ISSN: 1556-8539. H-index:8. INDEXED IN PUBMED / MEDLINE/Scopus.
7. Abesh Chakraborty, Waliza Ansar, Shyamasree Ghosh, Dhriti Banerjee. The first report of the life cycle of Sarcophaga (L) dux on dead reptilian carcass: Their application as forensic indicators. Sch. Acad. J. Biosci., 2014. 2(11): 731-739. ISSN 2321-6883 (Online). ISSN 2347- 9515.

8. Sheikh Hasan Habib, Waliza Ansar, Shyamasree Ghosh, and Achintya Kumar Das. The Rare Association of Enterobius vermicularis Infestation Causing Acute Appendicitis in Children: 6 A Case Report and Review of the Literature. Sch. J. App. Med. Sci., 2015. 3(1A):38-44. ISSN 2320-6691 (Online). ISSN 2347-954X (Print).
9. Abesh Chakraborty, Dhriti Banerjee, Shyamasree Ghosh, Waliza Ansar. Thermophilic pupal endoparasitoids : Brachymeriaminuta (Hymenoptera: Chalicididae) on forensic indicator Sarcophaga (Parasarcophaga) albiceps.Prommalia Journal. Pg 85-94. Journal for Zoological Taxonomists. Vol 3. 2015. ISSN (Print) 2320-4311. Scopus
10. Dhriti Banerjee, Shyamasree Ghosh, Waliza Ansar. Medical and Veterinary Entomology: The good and bad flies that affect human and animal life. Sch J Agric Vet Sci 2015; 2(3B):220- 239. 2348-8883 (Print) & 2348-1854 (Online)
11. Abesh Chakraborty, Shyamasree Ghosh, Waliza Ansar, Dhriti Banerjee. Developmental analysis of immature stages of Sarcophaga (Parasarcophaga) albicepsMeigen, 1826 Diptera: Sarcophagidae) on Gallus gallus carcass: Their applications as forensic indicators. IOSR Journal of Agriculture and Veterinary Science (IOSR-JAVS) e-ISSN: 2319-2380, p-ISSN: 2319-2372. Volume 8, Issue 8 Ver. II (Aug. 2015), PP 79-89.
12. Garima Hore, Aniruddha Maity, Atanu Naskar, Waliza Ansar, Shyamasree Ghosh, Goutam Kumar Saha, Dhriti Banerjee. Scanning electron microscopic studies on antenna of Hemipyrellialigurriens (Wiedemann, 1830) (Diptera: Calliphoridae)—A blow fly species of forensic importance. Acta Tropica 172 (2017) 20–28. ISSN: 0001-706X.
13. Shyamasree Ghosh, Waliza Ansar, Dhriti Banerjee. Morphological and Molecular identification of crime reporter flies in Forensic entomology. Indian Journal of Entomology, 80(2): 158- 176 (2018) DOI No.: 10.5958/0974-8172.2018.00100.1. ISSN: 0367-8288. Indian Citation Index – Research Impact Indicator: 0.045. Print ISSN: 0367-8288. Online ISSN: 0974- 8172
14. Shyamasree Ghosh and Waliza Ansar. Ebola hemorrhagic fever: present status of a neglected tropical zoonotic disease. Journal of. Applied. Zoological. Researches. (2019) 30(2): 133-147. (2019) 30(2): 133-147. ISSN 0970-9304 dec 2019
15. Waliza Ansar and Sheikh Hasan Habib. Role of acute phase reactants: study in diabetic and non-diabetic patients suffering from sepsis. Int J Adv Life Sci Res. 2020. Volume 3(2)40- 49. Online ISSN: 2581-4877.
16. WalizaAnsar.Periscopic View on COVID 19 Infection: A Review. Int J Adv Life Sci Res. 2020. Volume 3(3) 01- 15. Online ISSN: 2581-4877.
17. SahitaKarmakar, Rohit Chakraborty and Waliza Ansar. Insect Pheromone: A tool in agricultural pest management. Indian J. Applied & Pure Bio. Special Volume 11-23 (2021). ISSN: 0970-2091.

18. Shyamasree Ghosh, Nilanjana Roy, Shraddhanjali Behera, and **Waliza Ansar.** Climate Change and Medicinal Plants in India: An Overview. Chapter 49 Springer Nature Switzerland AG 2022 887 M. Öztürk et al. (eds.), *Biodiversity, Conservation and Sustainability in Asia*. Vol 2: 877-899. https://doi.org/10.1007/978-3-030-73943-0_49. First Online: 11 March 2022
19. Rohit Chakraborty, SahitaKarmakar, and Waliza Ansar. Advances and Applications of Bioremediation: Network of Omics, System Biology, Gene Editing and Nanotechnology. Chapter 10: 167-200. Environmental Informatics Challenges and Solutions.P. K. Paul Amitava Choudhury Arindam Biswas Binod Kumar Singh Editors ISBN 978-981-19-2082-0 ISBN 978-981-19-2083-7 (eBook) https://doi.org/10.1007/978-981-19-2083-7. July 2022.

International Book chapters:

1. Shyamasree Ghosh and Waliza Ansar. Multidynamic Liposomes in Nanomedicine: Technology, Biology, Applications, and Disease Targeting. Springer International Publishing Switzerland. 2015. Chapter 9 (Part II) in the book Nanoparticles' Promises and Risks - Characterization, Manipulation and Potential Hazards to Humanity and the Environment. Editors: Lungu, M., Neculae, A., Bunoiu, M., Biris, C. (Eds.). ISBN 978-3-319-11728-7. Pg 167-213.
2. Waliza Ansar. C-reactive protein: Diagnostic marker of Inflammation? Modern approaches in Chemical and Biological sciences. Published by Lincoln University College, Malaysia. 2020. ISBN: 978-967-16798-7-6 [doi:10.31674/book.2020.macbs]

International Books:

1. Waliza Ansar and Shyamasree Ghosh. Biology of C Reactive Protein in Health and Disease. ISBN 978-81-322-2678-9. Springer.2016.
2. Waliza Ansar and Shyamasree Ghosh. Clinical Significance of C-reactive Protein. ISBN 978-981-15-6787-2. Springer 2020

B. Dr. Abhisek Basu

1. Basu, A., Dutta, D., Banerjee. S. 2012. Indigenous ornamental fishes of west Bengal. Recent Research in Science and Technology. 4(11): 12-21. (ISSN: 2076-5061)
2. Sanyal, S., Basu, A., Banerjee, S. 2011. Drug Resistance Profiles of Coliforms from Sweage Exposed Fish. World Journal of Fish and Marine Sciences. 3(4):275-282. (ISSN: 2078-4589)
3. Basu, A., Ghosh, K., Hazra, N., Mazumdar, A. 2010. Association of exoenzyme-producing bacteria with Chironomid larvae (Diptera: Chironomidae) in relation to the feeding

habit. EntemologiaGeneralis. 32(3): 227-235. (ISSN: 0171-8177) (Impact Factor, 2010: 0.167)

4. Basu, A. Hazra, N., Ghosh, K. 2010. Bioindicator potentiality of the Chironomine larvae (Diptera: Chironomidae) for determination of antibiotic resistant bacterial load of the aquatic ecosystem. Proc. Zool. Soc. 63(2): 79-86. (ISSN: 0373-5893)
5. Sanyal, S., Basu, A., Banerjee, S.2010. Occurrence and antibiotic susceptibility among coliform bacteria isolated from sewage exposed fish. Recent Research in Science and Technology. 2(3): 42-47. (ISSN: 2076-5061)
6. Paul, M., Gupta, S., Basu, A., Banerjee, S. 2010. Indigenous ornamental fish resource of Darjeeling district. Environ. and Ecol. 28(2A): 991-996. (ISSN: 0970-0420)

Book Chapter

1. Sanyal, S., Basu, A., Banerjee, S. 2011. Occurrence and Antibiotic Susceptibility of Bacteriological Indices Isolated from Fish Cultured in Waste Fed Wet Land. In Diversification of Aquaculture (Sinha, A., Datta, S. and Mahapatra, B.K. Eds.). Narendra Publishing House. New Delhi. pp. 201- 209 (ISBN: 9789380428536)

2. Hazra, N. and Basu, A. 2014. Microbial Association of Chironomid Larvae (Diptera). GRIN Verlag.

3. Basu, A. 2016. Indigenous Ornamental Fish Resources of West Bengal in the book 'Wetlands: Crisis & Options'. (ISBN: 9788185211985). Astral International Pvt. Ltd. New Delhi- 110 002

C. Dr. Sucharita Guin (Mitra)

1. Sanjucta Dutta, M.Sc; Sucharita Guin, M. Sc; Santanu Ghosh , M. Sc; Gururaja P Pazhani, M. Sc, Ph.D; Krishnan Rajendran, M.Sc, Ph.D; Mihir K Bhattacharya, M.D; Yoshifumi Takeda, M.D, Ph.D; Gopinath Balakrish Nair, M.Sc, Ph.D; Thandavarayan Ramamurthy. Trends in the Prevalence of Diarrhoeagenic Escherichia Coli among Hospitalized Diarrhoeal Patients in Kolkata, India. PLOS ONE, February, 2013.

2. Devarati Dutta, Goutam Chowdhury, Gururaja P. Pazhani, Sucharita Guin, Sanjucta Dutta, Santanu Ghosh, K. Rajendran, Ranjan K. Nandy, Asish K. Mukhopadhyay, Mihir K. Bhattacharya, Utpala Mitra, Yoshifumi Takeda, G. Balakrish Nair, and Thandavarayan

Ramamurthy. Vibrio cholerae Non-O1, Non-O139 Serogroups and Cholera-like Diarrhea, Kolkata, India.EID, March. 2013.

3. Dhira Rani Saha, Sucharita Guin, Rajendran Krishnan, Dhrubajyoti Nag, HemantaKoley, Sumio Shinoda and Thandavarayan Ramamurthy. Inflammatory diarrhea due to enteroaggregative Escherichia coli: evidence from clinical and mice model studies. Gut Pathogens 2013

4. Vibrio fluvialis in Patients with Diarrhea, Kolkata, India Goutam Chowdhury, Gururaja P. Pazhani, Devarati Dutta, Sucharita Guin, Sanjucta Dutta, Santanu Ghosh, Hidemasa Izumiya, Masahiro Asakura, Shinji Yamasaki, Yoshifumi Takeda, Eiji Arakawa, Haruo Watanabe, Asish K. Mukhopadhyay, Mihir K. Bhattacharya, K. Rajendran, Gopinath Balakrish Nair, and Thandavarayan Ramamurthy. Vibrio fluvialis in Patients with Diarrhea, Kolkata, India.EID, November,2012

5. Ghosh S, Pazhani GP, Chowdhury G, Guin S, Dutta S, Rajendran K, Bhattacharya MK, Takeda Y, Niyogi SK, Nair GB, Ramamurthy T. Genetic Characteristics and Changing Antimicrobial Resistance among Shigella spp Isolated from Hospitalized Diarrhoeal Patients in Kolkata, India. J Med Microbiol. 2011; 1460-1466.

6. Sinha, A., S. SenGupta, S. Guin, S. Dutta, S. Ghosh, P. Mukherjee, A. K. Mukhopadhyay, T. Ramamurthy, Y. Takeda, T. Kurakawa, K. Nomoto, G. B. Nair, and R. K. Nandy Culture independent real-time PCR reveals extensive polymicrobial infections in hospitalized diarrhoea cases in Kolkata, India. Clin. Microbiol Infect. 2013, Feb; 19 (2) 173-80

7. Zhi-Dong Jiang, Herbert L. DuPont, Eric L. Brown, Ranjan K. Nandy, Thandavaryan Ramamurthy, Anuradha Sinha, Santanu Ghosh, Sucharita Guin, Kaur Gurleen, Savio Rodrigues, Jacklyn J. Chen, Robin McKenzie, and Robert Steffen8. Microbial Etiology of Travelers' Diarrhoea in Mexico, Guatemala, and India: Importance of Enterotoxigenic Bacteroides fragilis and Arcobacter Species. J. Clin. Microbiol. Apr. 2010, p. 1417–1419

D. Olivia Das

1. Das, P and Das,O. Flooding and human health in modern India : a systematic review on the disease outbreaks as consequences of floods. Proceedings ICHR sponsored National Seminar, 2019, Alphabet Books Publishing, 144 – 153pp.

2. Das, P and Das, O. A study on Butterfly diversity in Rabindra Sarobar Lake, Kolkata. EXCELSIOR: Multidisciplinary and Multilingual Peer Reviewed Journal. Vol.III, 2018, published by Bhangar Mahavidyalaya, ISSN : 2395 – 12911, 116 – 130pp.

3. Ganguli.S., Das. O., Bera.A.B., Singh .P.K., Basu.P., Vishal.V.&Gupta.S. "West Bengal Butterfly Biodiversity Database- A compendium of butterfly biodiversity with information regarding the habitat and status of individual identified species of butterflies of West Bengal". Asian Journal of Conservation Biology, December 2016. Vol. 5 No. 2, pp. 90-93(Global Impact Factor : 0.78).

4. Gantait, V.V. and Das, O. 2023 Description of Talanema dhritiae sp. n. (Qudsianematidae : Dorylaimida) from West Bengal, India. Records of the Zoological Survey of India, 123(iS2)/01-15:43-51.(ISSN: 0375-1511).

……

Publications of Visiting Faculty in Post Graduate Section:

Department of Chemistry

Dr. Manas Chakraborty
Former Scientist, Bose Institute, Kolkata
Manas CHAKRABARTY | Professor | Bose Institute, Kolkata | Department of Chemistry | Research profile (researchgate.net)

1. Minor indole alkaloids of Alstonia macrophylla. August 1972, Phytochemistry 11(8):2605–2607.DOI:10.1016/S0031-9422(00)88548-9
2. Lochvinerine: A new indole alkaloid of Vinca major. October 1974, Phytochemistry, 13(10):2309-2312. DOI:10.1016/0031-9422(74)85045-4
3. Constituents of Pleiospermium alatum: Alatamide and N-benzoyltyramine methyl ether. May 1975.Australian Journal of Chemistry 28(2):457-460.DOI:10.1071/CH9750457
4. Monoterpenoid alkaloid from Vinca major. November 1975. Planta Medica 28(2):109-11. DOI:10.1055/s-0028-1097838
5. Reflexine, a new indole alkaloid of Rauwolfia reflexa. January 1976.Cellular and Molecular Life Sciences 32(10):1236-1236. DOI:10.1007/BF01953067
6. Indole alkaloids of rauwolfia reflexa. The structures of rauflexine and reflexine. December 1978. Tetrahedron Letters 19(40):3879–3882. DOI:10.1016/S0040-4039(01)95087-7
7. Heterocycles. January 1981. Heterocycles
8. Synthesis of uroporphyrin-iii, and related hepta- and pentacarboxylic porphyrins by modifications of the macdonald method. September 1981. Chemischer Informationsdienst 12(39). DOI:10.1002/chin.19813931
9. Studies on 4-Quinazolinones. Part IX. Raney Nickel Desulphurisation of 4-Thioquinazolines: Aluminium Catalysed Hydration of 1,4- and 3,4-Dihydroquinazolines. March 1983.Heterocycles 20(3).DOI:10.3987/R-1983-03-0445
10. Studies on 4-quinazolinones. part ix. raney nickel desulfurization of 4-thioquinazolines: alumina-catalyzed hydration of 1,4- and 3,4-dihydroquinazolines.August 1983.Chemischer Informationsdienst 14(31).DOI:10.1002/chin.198331188
11. Phaseoloidin, a homogentisic acid glucoside from Entada phaseoloides. December 1988.Phytochemistry 27(10):3259–3261.DOI:10.1016/0031-9422(88)80038-4
12. Unusual One-Pot Formation of a Phenylketene Trimer Ester. September 1989.ChemInform 20(36)DOI:10.1002/chin.198936227
13. An Unusual Imidazole to Pyrazine Transformation. March 1990.ChemInform 21(12)DOI:10.1002/chin.199012064
14. 6,7-dimethoxyonychine and other alkaloids of Polyalthia longifolia. July 1990. ChemInform 29(4):394-395. DOI:10.1002/chin.199030288
15. A New Clerodane-Type Butenolide Diterpene from the Bark of Polyalthia longifolia. February 1992. Journal of Natural Products 55(2):256-258. DOI:10.1021/np50080a021
16. NMR studies of 4(3H)-quinazolinones and 4(3H)-quinazolinethiones. June 1995.Monatshefte fuer Chemie/Chemical Monthly 126(6):789-794.DOI:10.1007/BF00807171
17. Carbazole Alkaloids from Murraya koenigii. November 1997.Phytochemistry 46(4):751-5. DOI:10.1016/S0031-9422(97)00345-2
18. Interplay of adrenal catecholamines and phospholipids during water-deprivation stress in mice. January 1998. Biogenic Amines 14(6):607-614
19. Induction of antioxidative enzyme by the Ayurvedic herb Desmotrichum fimbriatum B1. in mice. June 2001. Indian Journal of Experimental Biology 39(5):485-6
20. Oxidative Rearrangement of Acetylporphyrins. February 2003. ChemInform 34(8). DOI:10.1002/chin.200308107

21. Magnetic Field Effect on Photoinduced Electron Transfer between Dibenzo[a,c]phenazine and Different Amines in Acetonitrile−Water Mixture. March 2007.The Journal of Physical Chemistry A 111(5):878-84. DOI:10.1021/jp0661802
22. Efficient Synthesis of Sulfones Using Polysorbate-80 as Phase-Transfer Catalyst.February 2010.ChemInform 23(5):156-156.DOI:10.1002/chin.199205156
23. An expedient synthesis of novel 2-substituted thiazolo[4,5-f]isoquinolines/quinolines and benzo[1,2-d:4,3-d']bisthiazoles and their potential as inhibitors of COX-1 and COX-2.August 2010.ARKIVOC 2010(11):265.DOI:10.3998/ark.5550190.0011.b22
24. On Attempted Diels-Alder Reaction of 1-Ethoxycarbonylindole-3- carboxaldehyde N,N-Dimethylhydrazone. August 2010. ChemInform 23(34):76-76 DOI:10.1002/chin.199234076
25. Indolization of Cyclohexanone Phenylhydrazones Using Phosphorous Trichloride. September 2010. ChemInform 23(35):174-17 DOI:10.1002/chin.199235174
26. An efficient, general synthesis of 2-substituted 3,6-dihydropyrrolo[3,2-e]indoles involving one-pot Sonogashira coupling and cyclisation. May 2012. Monatshefte fuer Chemie/Chemical Monthly 144(5). DOI:10.1007/s00706-012-0859-5
27. Eco-Friendly Synthesis of Condensed Nitrogen Heterocycles: A Brief Experience from Our Group. March 2014. ChemInform 45(11). DOI:10.1002/chin.201411257
28. A New General Synthesis of Annulated 1,2,3-Triazoles Using Tandem Sonogashira-CuAAC Reaction. February 2015. Monatshefte fuer Chemie/Chemical Monthly 146(10). DOI:10.1007/s00706-015-1430-y.
29. Synthesis and Bioactivity of Pyrroloindazoles: An Overview. October 2015. Heterocycles 91(8). DOI:10.3987/REV-15-822
30. P.C. Vaidya, A Gandhian Mathematician-Physicist and Proponent of 'Vaidya Metric': Nearly in Oblivion. July 2019. Science and Culture 85(7-8):254.DOI:10.36094/scienceandculture.v85.2019.Chakrabarty.254
31. ACHARYA PRAFULLA CHANDRA RAY: A REVISIT TO HIS LIFE AND WORK (PART-2). April 2022. Science and Culture 88(3-4) DOI:10.36094/sc.v88.2022.
32. Acharya Prafulla Chandra Ray: A Revisit to His Life and Work (Part-3).July 2022.Science and Culture 88(July-August):222-233 DOI:10.36094/sc.v88.2022.

Dr. Partha Chattopadhyay
Former Scientist, IICB, Kolkata
Partha Chattopadhyay's research works | Indian Institute of Chemical Biology, Kolkata (IICB) and other places (researchgate.net)

1. A Novel Cyclic Mobile Transporter Can Induce Apoptosis by facilitating Chloride Anion Transport into Cells. June 2020. ACS Omega. 2020 Jul 2;5(27):16395-16405. doi: 10.1021/acsomega.0c00438.

2. Self-assembly of cyclic peptides and peptidomimetic macrocycles: linking structure with function. Tetrahedron. Volume 72, Issue 24, 16 June 2016, Pages 3379-3387. https://doi.org/10.1016/j.tet.2016.04.071
3. Design and Synthesis of Conformationally Homogeneous Pseudo Cyclic Peptides through Amino Acid Insertion: Investigations on Their Self Assembly.July 2015.RSC Advances 5(79) DOI:10.1039/C5RA11850F
4. A Rapid One-Pot Ugi Reaction Based Route to Novel Imidazole-Fused Benzodiazepinones. May 2015. Synthesis 47(15). DOI:10.1055/s-0034-1379916
5. Stereoselective Domino Azidation and [3 + 2] Cycloaddition: A Facile Route to Chiral Heterocyclic Scaffolds from Carbohydrate Derived Synthon. September 2014.ChemInform 45(38):188.DOI:10.1002/chin.201438188
6. Rational Construction of Triazole/Urea Based Peptidomimetic Macrocycles as Pseudocyclo-β-peptides and Studies on Their Chirality Controlled Self-Assembly. June 2014.Organic Letters 16(12).DOI:10.1021/ol501172d
7. Stereoselective Domino Azidation and [3 + 2] Cycloaddition: A Facile Route to Chiral Heterocyclic Scaffolds from Carbohydrate Derived Synthons. December 2013.RSC Advances 4(8):4155.DOI:10.1039/C3RA45363D
8. Efficient Synthesis of Imidazole-Fused Benzodiazepines Using Palladium-Catalyzed Intramolecular C—N Bond Formation Reaction. April 2013.ChemInform 44(17).DOI:10.1002/chin.201317180
9. Expeditious synthetic approach and photophysical properties of fluorescent benzimidazo[1,2-d]dibenzo[b,f][1,4]diazepine derivatives. January 2013.RSC Advances 3(6):1862-1870.DOI:10.1039/C2RA22527A
10. Design and synthesis of regioisomeric triazole based peptidomimetic macrocycles and their dipole moment controlled self-assembly. November 2012.ChemicalCommunications 48(98).DOI:10.1039/c2cc36566a
11. Tandem One Pot Synthesis of 1,5-Benzodiazocine-2-one by Isocyanide Based Ugi Multicomponent Reaction. July 2012.Tetrahedron Letters 53(28):3619–3622.DOI:10.1016/j.tetlet.2012.05.013
12. Design and Synthesis of 1,2,3-Triazole-Fused Chiral Medium-Ring Benzo-Heterocycles, Scaffolds Mimicking Benzolactams. May 2012. The Journal of Organic Chemistry 77(12):5399-405. DOI:10.1021/jo3004327
13. Synthesis of Chiral Benzoxa(thia)zepine and Pyridoxazepine Derivatives Using Palladium-Catalyzed Intramolecular Aryl Amination Reaction.December 2011.European Journal of Organic Chemistry 2011(36). DOI:10.1002/ejoc.201101174
14. Simultaneous Parallel and Antiparallel Self-Assembly in a Triazole/Amide Macrocycle Conformationally Homologous to D-, L-alpha-Amino Acid Based Cyclic Peptides: NMR and Molecular Modeling Study. September 2011. Organic Letters 13(20):5512-5. DOI:10.1021/ol2022356.
15. An alternative to ‘propylene/Leonard linker’ for studying arene interactions in flexible pyrazolo[3,4-d]pyrimidine core based models both at molecular and supramolecular levels. December 2013.RSC Advances 4(8):4155. DOI:10.1039/C3RA45363D
16. Synthesis and Biological Evaluation of Dibenz[b,f][1,5]oxazocine Derivatives for Agonist Activity at ??-Opioid Receptor. February 2011.European Journal of Medicinal Chemistry 46(5):1713-20. DOI:10.1016/j.ejmech.2011.02.024
17. Synthesis of Chiral trans-Fused Pyrano[3,2-c][2]benzoxocines from D-Mannose by Regioselective 8-endo-Aryl Radical Cyclization. November 2010.ChemInform 33(45).DOI:10.1002/chin.200245147

18. Lewis Acid Catalyzed One-Pot Selective Synthesis of Aminobenzofurans and N-Alkyl-2-aryl-2-(arylimino)acetamides: Product Dependence on the Nature of the Aniline. November 2010.ChemInform 2010(13).DOI:10.1055/s-0030-1258239
19. An Expeditious Enantiodivergent Synthesis of Chiral Oxepans from D- Glucose by the Application of Intramolecular 1,3-Dipolar Nitrone Cycloaddition. August 2010.ChemInform 24(33).DOI:10.1002/chin.199333213
20. Synthesis of Chiral cis- and trans-Furo[3,2-c][2]benzoxocines from D-Glucose by Regioselective 8-endo Aryl Radical Cyclization. April 2010.ChemInform 33(15). DOI:10.1002/chin.200215171
21. Intramolecular 1,3-Dipolar Cycloaddition of a Nitrone Derived from 3-O- Allyl-D-(+)-glucose: An Expedient Synthesis of a Chiral Oxepane Derivative. April 2010.ChemInform 22(15):209-209. DOI:10.1002/chin.199115209
22. A Simple Procedure for O-Allylation of Carbohydrate Derivatives Using Phase Transfer Catalyst. April 2010. ChemInform 27(15). DOI:10.1002/chin.199615230
23. Palladium-Catalyzed Intramolecular Aryl Amination Reaction: An Expeditious Approach to the Synthesis of Chiral Benzodiazocine Derivatives.March 2010.European Journal of Organic Chemistry 2010(9):1754 – 1762. DOI:10.1002/ejoc.200901472
24. Synthesis of Chiral Pyran Derivatives from a 3-O-Allylfuranose-5- aldehyde by the Application of Intramolecular 1,3-Dipolar Nitrile Oxide Cycloaddition. January 2010. ChemInform 28(3). DOI:10.1002/chin.199703265
25. A Modified Synthetic Approach to Optically Pure Benzoxazepines from Amino Acid Precursors Using Intramolecular Buchwald-Hartwig C-O Bond-Formation Reaction. January 2010. Synthesis 42(4). DOI:10.1055/s-0030-1258406
26. A Green Chemical Approach for the N-Alkylation of Aldoximes to Form Nitrones in Organized Aqueous Media and their in situ Cycloaddition with Olefins. July 2009. ChemInform 40(28). DOI:10.1002/chin.200928113
27. An Efficient Synthesis of Novel Dibenzo-Fused Nine-Membered Oxacycles Using a Sequential Baylis-Hillman Reaction and Radical Cyclization. May 2008. ChemInform 39(22). DOI:10.1002/chin.200822177
28. Palladium-Catalyzed Intramolecular C–O Bond Formation: An Approach to the Synthesis of Chiral Benzodioxocines. October 2007. European Journal of Organic Chemistry 2008(2):330 – 336. DOI:10.1002/ejoc.200700762
29. Advances in the Synthesis and Biological Perspectives of Benzannulated Medium Ring Heterocycles. September 2007.Heterocycles 71(5).DOI:10.3987/REV-07-612
30. Sequential Baylis—Hillman Reaction and Radical Cyclization of Furanose Derivatives: Expeditious Approach to Enantiopure Benzo-Fused Nine-Membered Oxacycles. December 2006. ChemInform 62(51):12003-12010. DOI:10.1016/j.tet.2006.09.080
31. Benzoxazocines by Palladium-Catalyzed Intramolecular Amination. June 2006. Synfacts 2006(7):0650-0650. DOI:10.1055/s-2006-941841
32. Palladium-Mediated Intramolecular Aryl Amination on Furanose Derivatives: An Expedient Approach to the Synthesis of Chiral Benzoxazocine Derivatives and Tricyclic Nucleosides.May 2006.The Journal of Organic Chemistry 71(8):3291-4DOI:10.1021/jo052420i
33. 2-Benzazepine Analogues from D-Glucose: Synthesis of Chiral cis- and trans-Fused Furo[3,2-c][2]benzazepine Derivatives. September 2005.ChemInform 37(14):2307-2314. DOI:10.1055/s-2005-870012
34. Radical cyclization of exo-methylene furanose derivatives: An expedient approach to the synthesis of chiral tricyclic nucleosides and benzannulated oxepine derivatives. September 2005. Tetrahedron 61(39):9368-9374. DOI:10.1016/j.tet.2005.07.054
35. Synthesis of Chiral Oxepanes and Pyrans by 3-O-Allylcarbohydrate Nitrone Cycloaddition (3-OACNC).October 2003. Tetrahedron 59(25):4623-4639. DOI:10.1016/S0040-4020(03)00634-3

36. Synthesis of chiral trans-fused pyrano[3,2-c][2]benzoxocines from D-mannose by regioselective 8-endo-aryl radical cyclization. August 2002. Tetrahedron Letters 43(34):5977-5980. DOI:10.1016/S0040-4039(02)01252-2
37. An expeditious enantiodivergent synthesis of chiral oxepanes from D-glucose by the application of intramolecular 1,3-dipolar nitrone cycloaddition. May 1993. Tetrahedron Letters 34(22):3585-3588. DOI:10.1016/S0040-4039(00)73642-2
38. Intramolecular 1,3-dipolar cycloaddition of a nitrone derived from 3-O-allyl-D-(+)-glucose: An expedient synthesis of a chiral oxepane derivative. November 1990.Journal of the Chemical Society Chemical Communications. DOI:10.1039/c39900001508
39. Self-Assembly of Cyclic Peptides and Peptidomimetic Macrocycles: Linking Structure with Function. April 2016. Tetrahedron 72(24). DOI:10.1016/j.tet.2016.04.071

Name of the Faculty member: Dr.Kausikisankar Pramanik

Professor, Department of Chemistry, Jadavpur University, kpramanik@hotmail.com

Ref. https://scholar.google.com/citations?user=1wM4JQ8AAAAJ&hl=en&oi=ao

1. Impedance spectroscopy study of LaMnO3 modified BaTiO3 ceramics. P Dhak, D Dhak, M Das, K Pramanik, P Pramanik, Materials Science and Engineering: B 2009, 164 (3), 165-171,2009 (IF-2.404)
2. Azo anion radical complexes of osmium and related nonradical species. K Pramanik, M Shivakumar, P Ghosh, A Chakravorty. Inorganic Chemistry 2000, 39 (2), 195-199,2000 (IF-4.253)
3. Isolation and structure of the first azo anion radical complexes of ruthenium M Shivakumar, K Pramanik, P Ghosh, A Chakravorty Inorganic chemistry 1998, 37 (23), 5968-5969, 1998 (IF-2.233)
4. Chemistry of metal-bound anion radicals. A family of mono-and bis (azopyridine) chelates of bivalent ruthenium M Shivakumar, K Pramanik, I Bhattacharyya, A Chakravorty Inorganic Chemistry 2000, 39 (19), 4332-4338, 2000(IF-2.243)
5. Self-Assembled Tetra- and Pentanuclear Nickel(II) Aggregates From Phenoxido-Based Ligand -Bound $\{Ni_2\}$ Fragments: Carboxylate Bridge Controlled Structures AK Ghosh, M Shatruk, V Bertolasi, K Pramanik, D Ray Inorganic Chemistry 2013, 52 (24), 13894-13903,2013 (IF-4.794)
6. Chemistry of [Ru (tpy)(pap)(L′) n+ (tpy= 2, 2′, 6′, 2 ″-terpyridine; pap= 2-(phenylazo) pyridine; L′= Cl−, H2O, CH3CN, 4-picoline, N3−; n= 1, 2). X-ray crystal structure … NC Pramanik, K Pramanik, P Ghosh, S Bhattacharya Polyhedron 1998, 17 (9), 1525-1534, 1998 (IF-0.813)
7. Family of Mixed-Valence Oxovanadium(IV/V) Dinuclear Entities Incorporating N_4O_3 Coordinating Heptadentate Ligands: Synthesis, Structure, and EPR Spectra A Mondal, S Sarkar, D Chopra, TN Guru Row, K Pramanik, KK Rajak Inorganic chemistry 2005, 44 (3), 703-708, 2005(IF-4.82)
8. $RhCl_3$-Assisted C−H and C−S Bond Scissions: Isomeric Self-Association of Organorhodium(III) Thiolato Complex. Synthesis, Structure, and Electrochemistry K Pramanik, U Das, B Adhikari, D Chopra, H Stoeckli-Evans Inorganic chemistry 2007, 47 (2), 429-438, 2008 (3.456)
9. Oligosaccharides through reactivity tuning: convergent synthesis of the trisaccharides of the steroid glycoside Sokodoside B isolated from marine sponge Erylus placenta S Dasgupta, K Pramanik, B Mukhopadhyay Tetrahedron 63 (50), 12310-12316, 2007 (2.667)
10. Synthesis of a tetra- and a trisaccharide related to an anti-tumor saponin "Julibroside J_{28}" from *Albizia julibrissin* B Roy, K Pramanik, B Mukhopadhyay Glycoconjugate journal 25, 157-166, 2008 (1.223)
11. Glycosylated *N*-Sulfonylamidines: Highly Efficient Copper-Catalyzed Multicomponent Reaction with Sugar Alkynes, Sulfonyl Azides, and Amines S Mandal, HM Gauniyal, K Pramanik, B Mukhopadhyay The Journal of Organic Chemistry 72 (25), 9753-9756, 2007 (IF-4.078)

12. Mono, di and polynuclear Cu (II)–azido complexes incorporating N, N, N reduced schiff base: syntheses, structure and magnetic behavior S Sarkar, A Mondal, J Ribas, MGB Drew, K Pramanik, KK Rajak Inorganicachimica acta 358 (3), 641-649, 2005 (IF-1.568)
13. Synthesis and characterisation of a pair of azo anion radicals bonded to ruthenium (II) M Shivakumar, K Pramanik, P Ghosh, A Chakravorty Chemical Communications, 2103-2104, 1998 (IF-1.432)
14. Thioether-Coordinated Nickel Oxidation States. A $Ni^{III}S_2N_4$ Family Incorporating Hexadentate Thioether−Azo−Oxime Chelation K Pramanik, S Karmakar, SB Choudhury, A Chakravorty Inorganic chemistry 36 (16), 3562-3564, 1997 (IF-1.988)
15. Insight into luminescent bisazoaromatic CNN pincer palladacycle: synthesis, structure, electrochemistry and some catalytic applications in C–C coupling S Roy, S Pramanik, T Ghorui, K Pramanik RSC Advances 5 (29), 22544-22559,2015 (IF-0.947)
16. Iridium-mediated C–S bond activation and transformation: organoiridium (III) thioether, thiolato, sulfinato and thiyl radical compounds. Synthesis, mechanistic, spectral … U Das, T Ghorui, B Adhikari, S Roy, S Pramanik, K Pramanik Dalton Transactions 44 (18), 8625-8639, 2015 (IF-4.177)
17. A comparative study of bagging, boosting and C4. 5: The recent improvements in decision tree learning algorithm S Pramanik, UN Chowdhury, BK Pramanik, N Huda Asian J. Inf. Tech 9 (6), 300-306, 2010 (IF-0.288)
18. Synthesis, Structure and Properties of a Mononuclear and an End-On Double Azido-Bridged Copper(II) Complex Incorporating an N,N,N,O-Coordinating Tripodal … S Sarkar, A Mondal, J Ribas, MGB Drew, K Pramanik, KK Rajak European Journal of Inorganic Chemistry 2004 (23), 4633-4639,2004 (IF-3.488)
19. RhCl (PPh 3) 3-mediated C–H oxyfunctionalization of pyrrolido-functionalized bisazoaromatic pincers: a combined experimental and theoretical scrutiny of redox-active and … T Ghorui, S Roy, S Pramanik, K Pramanik Dalton Transactions 45 (13), 5720-5729, 2016 (IF-4.177
20. Molecular and electronic structure of nonradical homoleptic pyridyl-azo-oxime complexes of cobalt (III) and the azo-oxime anion radical congener: an experimental and … S Pramanik, S Roy, T Ghorui, S Ganguly, K Pramanik Dalton Transactions 43 (14), 5317-5334,2014 (IF-4.097)
21. Iridium (III) Mediated Reductive Transformation of Closed-Shell Azo-Oxime to Open-Shell Azo-Imine Radical Anion: Molecular and Electronic Structure, Electron Transfer, and … S Pramanik, S Roy, T Ghorui, S Ganguly, K Pramanik Inorganic Chemistry 55 (4), 1461-1468, 2016 (IF-4.857)
22. (2′-Pyridylazo)-2-naphtholate (PAN) complexes of rhodium (III): Synthesis, structure and spectral studies K Pramanik, B Adhikari Polyhedron 29 (3), 1015-1022, 2010 (IF-2.173)
23. Arsenic in freshwater ecosystems of the Bengal delta: status, sources and seasonal variabilityAN Chowdhury, S Samanta, SK Manna, AP Sharma, C Bandopadhyay, ...Toxicological & Environmental Chemistry 97 (5), 538-551, 2015 (IF-0.833)
24. A dodecanuclear copper (II) cage self-assembled from six dicopper building units AK Ghosh, M Pait, R Clérac, C Mathonière, V Bertolasi, A Bauzá, ...Dalton Transactions 43 (10), 4076-4085, 2014 (IF-4.097)
25. Side-chain alkylation of toluene with methanol over single zeolite catalysts NK Das, K Pramanik Journal-Indian Chemical Society 74, 701-704, 1997 (IF-1.233)
26. Ambient-Stable Bis-Azoaromatic-Centered Diradical [(L$^{\bullet}$)M(L$^{\bullet}$)] Complexes of Rh(III): Synthesis, Structure, Redox, and Spin–Spin Interaction S Roy, S Pramanik, SC Patra, B Adhikari, A Mondal, S Ganguly, ...Inorganic Chemistry 56 (21), 12764-12774, 2017 (IF-4.857)
27. Synthesis, spectroscopic and electrochemical studies of isomeric dichloro bis-[N (1)-alkyl-2-(arylazo) imidazole] osmium (II). Single crystal X-ray structures of blue-violet …KPramanik, P Ghosh, A Chakravorty J. Chem. Soc. Dalton Trans 3553, 1997 (IF-0.886)
28. Redox-active diaminoazobenzene complexes of rhodium (iii): synthesis, structure and spectroscopic characterization S Roy, S Pramanik, T Ghorui, S Dinda, SC Patra, K PramanikNew Journal of Chemistry 42 (7), 5548-5555, 2018 (IF-3.601)
29. Luminescent closed shell nickel (II) pyridyl-azo-oximates and the open shell anion radical congener: molecular and electronic structure, ligand redox behaviour and biological .S

Pramanik, S Dutta, S Roy, S Dinda, T Ghorui, AK Mitra, K Pramanik, ... New Journal of Chemistry 41 (10), 4157-4164, 2017 (IF-3.201)

30. Hybrid classification algorithm for knowledge acquisition of biomedical data SK Pramanik, S Pramanik, BK Pramanik, MKI Molla, ME Hamid International Journal of Advanced Science and Technology 44, 99-112, 2012 (IF-0.067)
31. Preliminary assessment of acute and 28-day repeated dose oral toxicity of a newly developed herbal mixture on experimental animal S Darbar, S Saha, K Pramanik, A Chattopadhyay, Indian Journal of Pharmaceutical education and Research 54 (1), 135-142, 2000(IF-0.233)
32. Side-chain alkylation of toluene with methanol over dual catalysts comprising X-zeolites and Fe-Mo oxide NK Das, K Pramanik JOURNAL-INDIAN CHEMICAL SOCIETY 74, 705-708, 1997 (0.433)
33. Ruthenocycles of benzothiazolyl and pyridyl hydrazones with ancillary PAHs: Synthesis, structure, electrochemistry and antimicrobial activity S Dinda, T Sultana, S Sultana, SC Patra, AK Mitra, S Roy, K Pramanik, ... New Journal of Chemistry 44 (26), 11022-11034, 2020(3.267)
34. Polyaromatic hydrocarbon derivatized azo-oximes of cobalt (iii) for the ligand-redox controlled electrocatalytic oxygen reduction reaction S Dinda, S Roy, SC Patra, S Bhandary, K Pramanik, S Ganguly New Journal of Chemistry 44 (9), 3737-3747, 2020(IF-3.267)
35. Palladium (II) and platinum (II) complexes of glyoxalbis (N-aryl) osazone: Molecular and electronic structures, anti-microbial activities and DNA-binding study SC Patra, AS Roy, S Banerjee, A Banerjee, KD Saha, R Bhadra, K Pramanik... New Journal of Chemistry 43 (25), 9891-9901, 2019(IF-3.128)
36. Preliminary acute oral toxicity study of a newly developed herbal formulation S Darbar, S Saha, K Pramanik, A Chattopadhyay World J Pharm Res 7 (5), 924-930, 2019(IF-0.67)
37. Pattern Extraction, Classification and Comparison Between Attribute Selection Measures, S Pramanik, MR Islam, MJ Uddin Entropy 2, 1,2010 (IF-2.133)
38. Valence specific chelation of ruthenium to Schiff mono-bases of 2, 6-diformyl-4methylphenol: synthesis and structure of trivalent salicylaldiminato species of coordination type … S Pattanayak, K Pramanik, N Bag, P Ghosh, A Chakravorty Polyhedron 16 (17), 2951-2956,1997 (IF-0.336)
39. Metal bound azo anion radicals P Ghosh, K Pramanik, M Shivakumar, A Chakravorty Journal Of The Indian Chemical Society 77 (11-12), 547-551,2000 (IF-0.234)
40. Azo-oximate metal-carbonyl to metallocarboxylic acid via the intermediate Ir (III) radical congener: quest for co-ligand driven stability of open-and closed-shell complexes S Dinda, S Pramanik, J Basu, SC Patra, K Pramanik, S Ganguly Dalton Transactions 51 (26), 10121-10135, 2022 (IF-4.0)
41. Dielectric diffuseness and conductivity behavior of Ba1-xCuxTi1-x (AlK) xO3 nanoceramics prepared by chemical route P Dhak, A Kundu, K Pramanik, P Pramanik, D Dhak Advanced Materials Letters 6 (6), 492-500, 2015
42. Synthesis and structure of osmium (II) organometallics incorporating a four-membered salicylideneiminium metallacycle and Os–η1-NO2 binding K Pramanik, P Ghosh, A Chakravorty Journal of the Chemical Society, Dalton Transactions, 3553-3556, 1997(IF-1.767)
43. Diarylazooxime complex of cobalt (III): synthesis, structure, ligand redox, DFT calculations and spectral characteristics S Dinda, K Sarkar, BK Panda, K Pramanik, S Ganguly Transition Metal Chemistry, 1-8, 2022(IF-1.70)
44. Synthesis, photophysical properties and theoretical studies of pyrrole-based azoaromatic Zn (II) complexes in mixed aqueous medium T Ghorui, A Hens, K Pramanik InorganicaChimica Acta 527, 120586, 2021 (IF-3.110)
45. An insight into the coordination specificity of polyaromatic hydrocarbons (PAHs) grafted hydrazones towards rhodium (III) S Dinda, S Naskar, S Roy, K Pramanik, S Ganguly Polyhedron 205, 115318, 2021(IF-2.975)
46. Ameliorative efficacy of novel multi herbal formulation (AKSS16-LIV01) upon Haematological modulations induced by fixed dose combination of tramadol hydrochloride/paracetamol (THP) S Darbar, S Saha, K Pramanik, A Chattopadhyay Journal of Drug Delivery and Therapeutics 10 (6), 11-17,2020 (IF-2.255)

47. Monothioether Complexes of Osmium: The *trans*-[$OsBr_4(SR_2)_2$] Family and *mer*-[$OsBr_3(SR_2)_3$] PrecursorsK Pramanik, P Ghosh, A Chakravorty Inorganic chemistry 37 (21), 5678-5680, 1998 (IF-0.885)
48. Role of ligand disposition and oxime… oximato hydrogen bonding upon redox non-innocent character of rhodium (III) phenylazooximates S Naskar, S Halder, G Kanrar, D Jana, S Dinda, K Pramanik, S Ganguly Polyhedron 235, 116342, 2023 (IF-2.975)
49. Antioxidant and immunomodulatory effect of AKSS16-LIV01–a multi herbal formulation against ethanol induced liver dysfunction in mice S Darbar, S Saha, K Pramanik, A Chattopadhyay Clinical Phytoscience 7 (1), 1-20, 2021 (2.312)
50. Rhodium assisted peri-C–H activation in benzothiazolyl-hydrazone derivatized pyrene, S Dinda, SC Patra, T Samanta, A Basu, K Pramanik, S Ganguly Polyhedron 179, 114352, 2020 (IF-3.052)
51. Coligand driven diverse organometallation in benzothiazolyl-hydrazone derivatized pyrene: ortho vs. peri C–H activation S Dinda, SC Patra, S Roy, S Halder, T Weyhermüller, K Pramanik, ... New Journal of Chemistry 44 (4), 1407-1417, 2020 (IF-3.288)
52. Toxicological Assessment of Silver Nanoparticles Synthesized through Green Route using *Andrographis paniculata* S Darbar, S Saha, K Pramanik, A Chattopadhyay Journal of Nanoscience and Technology, 619-621,2019 (IF-4.130)
53. An international journal of inorganic chemistry incorporating Acta Chemica Scandinavica, AA Swatiputra, D Mukherjee, S Dinda, S Roy, K Pramanik, S Ganguly, ... Dalton Trans 52, 15613-15626, 2023 (IF4.569)
54. Electron transfer catalysis mediated by 3d complexes of redox non-innocent ligands possessing an azo function: a perspective AA Swatiputra, D Mukherjee, S Dinda, S Roy, K Pramanik, S Ganguly Dalton Transactions 52 (43), 15627-15646, 2023 (IF-4.569)
55. Molecular and Electronic Structures, Spectra, Electrochemistry and Anti-bacterial Efficacy of Novel Heterocyclic Hydrazones of Phenanthrenequinone and Their Nickel (II) Complexes S Dinda, D Maitra, B Roy, P Khan, A Samajdar, AK Mitra, S Roy, A Mondal, ... ChemistrySelect 7 (34), e202202151, 2022 (IF-2.307)
56. Haematological Modulations by Fixed Dose Combination (FDC) of Tramadol Hydrochloride/Paracetamol (THP) S Darbar, S Saha, K Pramanik, A Chattopadhyay Frontiers in Clinical Drug Research-Hematology: Volume 5 5, 154, 2022 (IF-4.812)
57. Correction: Iridium-mediated C–S bond activation and transformation: organoiridium (iii) thioether, thiolato, sulfinato and thiyl radical compounds. Synthesis, mechanistic … U Das, T Ghorui, B Adhikari, S Roy, S Pramanik, K Pramanik Dalton Transactions 51 (12), 4927-4927, 2022 (IF-4.0)
58. Sanative effect of multiherbal formulation–akss16-liv01 on ccl4-induced hepatic dysfunction in mice s darbar, s saha, k pramanik, a chattopadhyay Asian Journal of Pharmaceutical and Clinical Research, 101-106, 2021 (IF-6.241)
59. Journal of Nanoscience and Technology N Saba, A Ahmad Journal of Nanoscience and Technology 2 (3), 140-143,2016 (IF-1.324)
60. Pyridyl-imine-thioether complexes of ruthenium (II): Synthesis, structure and optoelectronic and electron transfer properties B Adhikari, S Pramanik, T Ghorui, S Roy, U Das, K Pramanik,J. Indian Chem. Soc 92, 1903-1912,2015 (IF-0.224)
61. Trusted On-demand Distance Vector Routing for Ad hoc Networks MH Kabir, BK Pramanik, S Das, S Pramanik, ME Hamid International Journal of Computer Science and Information Security 10 (3), 37, Department of Chemistry, Inorganic Chemistry Section, Jadavpur University, 6 Kolkata 700032, India 7 K Pramanik, B Adhikari,2011 (IF-1.988)
62. Activation of PI3-kinase and MAPK pathway regulate IGF-and insulin-induced oocyte maturation in common carp, Cyprinus carpio D Mukherjee, S Paul, K Pramanik, N Paul, S Kundu, A Bandopadhyay The FASEB Journal 21 (5), A252-A252,2007 (IF-6.846)
63. Synthesis and characterization of *trans*-[$OsBr_4(SMe_2)_2$]*:* The first monothioether complex of osmium (IV) K Pramanik, P Ghosh, A Chakravorty NISCAIR-CSIR, India.1998, (IF-0.456)

Name of the faculty Dr. Ujjwal Das

Department of Chemistry, Sarsuna College

Ref- http://sarsunacollege.ac.in/Home/faculty

1. Paper/Poster presented having Title "Self-association of Organrohodium(III) Thiolato Complex to syn and anti isomers: Synthesis, Structure and Noncovalant Interactions" U. Das, in 37th National Seminar on Crystallography, organized by Dept. of physics Jadavpur University, on 6-8th February, 2008.

2. Paper/Poster presented having Title "IrCl3-Assisted C–H and C–S Bond Scissions: Synthesis, Structure and Electrochemistry of Organosulfur Iridium(III) Compounds" U. Das, in Friends of Inorganic Chemistry, First Scientific Meeting, National Seminar, organized by Dept. of Chemistry, Jadavpur University, on 21st December, 2008.

3. Paper/Poster having Title "RuCl2(PPh3)3-mediated C–S Bond Cleavage and Activation of molecular Oxygen by in situ Generated Ru(II) –thiolato Intermidiate to Stable Ru(II)-Sulfinato Compound" U. Das, presented in CRSI (Kolkata Chapter) Symposium VIII on Advances in Chemical Research (National Level), organized by Dept. of Chemistry, Bengal Engineering and Science university, Shibpur, on 6th August, 2010.

4. Paper/Poster presented having Title " Platnum Metals mediated C–S bond cleavage and Activation of molecular Oxygen" U. Das, in the International Symposium on Frontiers in Inorganic chemistry (FIC-2010), organized by Dept. of Inorganic chemistry, Indian Association for the Cultivation of Association(IACS),on 11-13th December, 2010.

5. Article having Title "Indian Saffron Curcumin- The Magic Pigment" U. Das, published in "Quest-journal of the Faculty of Science", Sarsuna College, 2011, 1(1), 16-21.

6. Paper/Poster presented having Title "RhCl3-mediated C–S bond cleavage of coordinated aryl and alkyl aryl thioethers Spontanious self- association of thiolato complex to syn dimers with Rh2S2 core" U. Das, in a National seminar on Inorganic Chemistry-2011 and the Celebration of 150th Birth Anniversary of A.P.C Roy, organized by Dept. of Chemistry, Jadavpur University, on 08-09th July, 2011.

7. Article having Title "Exposure of toxic solvents & chemicals squander from Research Laboratories: Human Impact on the Environment & Creature Health in Kolkata & Surrounding" U. Das, in an UGC Sponsored State Level seminar on Geographical Appraisal of the city of joy's Environmental well being, organized by Geography Sarsuna College, on 17-18th January, 2012.

8. Paper/Poster presented having Title "μ2-S Dimerization of Organoiridium(III) Thiolato Complex In Presence of Thiophilic Metals Through the Intermediacy of A Novel Hexanuclear Ir2Ag4} Species: Synthesis, Structure and Spectral Studies" U. Das, in an International Conference on Structural Chemistry of molecules and materials. [SCOMM- 2014], RSC, organized by Department of Chemistry, University of Calcutta, on 30th November, 1st-2nd December, 2014.

9. Paper/Poster presented having Title "Synthesis of Orthometalated Organosulfur Compounds of Rh and Ir: a Promising Organometallic Nanoparticle" U. Das, in an UGC Sponsored National Level seminar on "Nanoscience & Its Application" organized by Department of Chemistry, Fakir Chand College, University of Calcutta, 28th November, 2015.

10. Book Chapter having Title "Synthesis of Orthometalated Organosulfur Compounds of Rh and Ir: a Promising Organometallic Nanoparticle" U. Das, published in "Nanoscience & Its Application" by

Department of Chemistry, Fakir Chand College, University of Calcutta, July, 2016, 43-69.) ISBN: 978-93-5267-020-8.

11. Paper/Poster presented having Title “Synthesis of Orthometallated Organsulfur Compounds of Rh and Ir: Stabilisation of metal mediated Thiyl Radicals” U. Das, in an International Conference on Emerging Technologies for Sustainable Development ICETSD’19 organized by Govt. College of Engineering and Lather Technology, Kolkata, on 5th and 6th March, 2019.

12. Paper/Poster presented having Title “Interaction of d10 metal ion with potential organosulfur complexes of Platinum” U. Das, in an International Symposium on current trends in Chemistry (ISCTC 20202) organized by Department of Chemistry, Diamond Harbour Women’s University, WB, 10th January, 2020. [Best Presentation Award]

13. Paper/Poster presented having Title “Organosulfur phosphine and potential catalyst for organic transformations.” U. Das, in a National Conference on Recent development and future challenges in chemical science (RDFCCS 2020) organized by Department of Chemistry, Behala College, WB, 26th February, 2020.

14. Paper/Poster presented having Title “Synthesis ……. S-centered reactivity” U. Das, in a National Level seminar on Modern Trends in Chemistry on sustainable Development organized by Department of Chemistry, Vijaygarh Jyotish Ray College, WB, 3rd March, 2020.

15. RhCl3-Assisted C−H and C−S Bond Scissions: Isomeric Self-Association of Organorhodium(III) Thiolato Complex. Synthesis, Structure, and Electrochemistry Kausikisankar Pramanik, Ujjwal Das, Basab Adhikari, Deepak Chopra, and Helen StoeckliEvans Inorg. Chem., 2008, 47 (2), 429–438. [DOI: 10.1021/ic7016006]

16. Iridium-mediated C–S bond activation and transformation: organoiridium(III) thioether, thiolato, sulfinato and thiyl radical compounds. Synthesis, mechanistic, spectral, electrochemical and theoretical aspects Ujjwal Das, Tapas Ghorui, Basab Adhikari, Sima Roy, Shuvam Pramanik and Kausikisankar Pramanik Dalton Trans., 2015, 44, 8625–8639. [DOI: 10.1039/C5DT00448A]

17. Pyridyl-imine-thioether complexes of ruthenium(II) : Synthesis, structure and optoelectronic and electron transfer properties Basab Adhikari, Shuvam Pramanik, Tapas Ghorui, Sima Roy, Ujjwal Das and Kausikisankar Pramanik J. Indian Chem. Soc., 2015, 92, 1903–1912.

18. Effect of Main Versus Ancillary Ligand Substitution on the Photophysical Properties of a Series of Ir(III) Complexes: A Detailed Theoretical Investigation Pallab Gayen, Ujjwal Das and Snehasis Banerjee J. Phys. Chem. A, 2020, 124, 4654−4665. [DOI: acs.jpca.0c03102].

Dr. Abhijit Bandyopadhyay, Professor
Department of Polymer Science & Technology, University of Calcutta
Ref: Abhijit BANDYOPADHYAY | Head of the Department | M.Tech, Ph. D., AMIICHE, FICER | University of Calcutta, Kolkata | Department of Polymer Science and Technology | Research profile (researchgate.net)

1. Synthesis of Poly (3-bromo thiophene) supported Cobalt Molybdate bifunctional catalyst: Manifestation of overall water splitting and hydrazine assisted water splitting. November 2023. Electrochimica Acta 475:143521DOI:10.1016/j.electacta.2023.143521
2. One-way shape memory polyesters-evolution, growth, developments, and current trends. September 2023. Polymer-Plastics Technology and Materials 62(2):1-32. DOI:10.1080/25740881.2023.2254372
3. How open-stage melt crystallization affects tensile and shrinkage properties of 3D printed polypropylene. July 2023. Polymer Engineering and Science 63(3).DOI:10.1002/pen.26422
4. Indigenous block copolymerization by free radical mechanism using cis-1,1- diphenylethylene. May 2023. Journal of Polymer Research 30(6).DOI:10.1007/s10965-023-03602-z
5. Radiation-induced graft copolymerization – A facile technology for polymer surface modification and applications.November 2022.DOI:10.1201/9781003321910-5.In book: Radiation Technologies and Applications in Materials Science (pp.123-147)
6. Probing into why anisotropic nanoclay offers better reinforcement in natural rubber than isotropic nano zinc oxide by determining their interaction with sol and gel fractions. June 2022. Journal of Applied Polymer Science 139(32). DOI:10.1002/app.52763
7. Improved Performance of Cobalt Hydroxychloride Nanoparticles on Poly (3-bromo thiophene) Template for Electrochemical Oxygen Evolution Reaction.April 2022. Journal of Electroanalytical Chemistry 916:116365. DOI:10.1016/j.jelechem.2022.116365
8. Flocculation of Waste Water Using Architectural Copolymers: Recent Advancement and Future Perspective. March 2022. DOI:10.1007/978-3-030-94995-2_3. In book: Functional Polymer Nanocomposites for Wastewater Treatment (pp.89-113)
9. Synthesis and Characterization of Polypyrrole Encapsulated Formamidinium Lead Bromide Crystals For Fluorescence Memory Recovery. January 2022. Journal of Molecular Liquids 349(32):118485. DOI:10.1016/j.molliq.2022.118485
10. Synthesis and Characterization of Polypyrrole Encapsulated Formamidinium Lead Bromide Crystals For Fluorescence Memory Recovery. January 2022. Journal of Molecular Liquids 349(32):118485. DOI:10.1016/j.molliq.2022.118485
11. Fabrication of self-healable thermoplastic polyurethane by masterbatch technology. December 2021. Journal of Applied Polymer Science 139(1):52071. DOI:10.1002/app.52071
12. Evaluation of lignin as potential green filler in an optimally designed solution grade styrene–butadiene rubber (SSBR) based tyre tread compound.November 2021.Plastics Rubber and Composites 52(8):1-12. DOI:10.1080/14658011.2021.2008714
13. Effect of Nanofillers in Tyre Inner Liner Rubber Compound for Better Air Impermeability. October 2021.International Journal of Scientific and Research Publications 11(10):131-138.DOI:10.29322/IJSRP.11.10.2021.p11817
14. Branched/Hyperbranched Copolyesters from Poly(vinyl alcohol) and Citric Acid as Delivery Agents and Tissue Regeneration Scaffolds. August 2021. Macromolecular Chemistry and Physics 222(17):2100134.DOI:10.1002/macp.202100134
15. Effect of pre-mastication on dispersion of nanoclay in presence of carbon black in an inner liner compound: Studies on physicomechanical and functional properties.January 2021.Polymer Engineering and Science 61(253).DOI:10.1002/pen.25639
16. A selective approach towards synthesis of poly (3-bromo thiophene)/graphene quantum dot composites via in-situ and ex-situ routes: Application in light emission and photocurrent generation. January 2021. Electrochimica Acta 365:137369. DOI:10.1016/j.electacta.2020.137369
17. An elastic semi IPN polymer hybrid for enhanced adsorption of heavy metals. February 2020. Carbohydrate Polymers 236(1):116055. DOI:10.1016/j.carbpol.2020.116055
18. Improving hysteresis of a typical carbon black-filled natural rubber tread compound by using a novel coupling agent. December 2019. Progress in Rubber Plastics and Recycling Technology 36(4):147776061989501. DOI:10.1177/1477760619895015

19. Graphene oxide grafted hyperbranched poly (vinyl imidazole) with ionic liquid components as a potential carbon dioxide scrubber. November 2019. Reactive and Functional Polymers 146:104432. DOI:10.1016/j.reactfunctpolym.2019.104432
20. Aquasorbent guargum grafted hyperbranched poly (acrylic acid): A potential culture medium for microbes and plant tissues. June 2019. Carbohydrate Polymers 222(1). DOI:10.1016/j.carbpol.2019.114983
21. A polyester with hyperbranched architecture as potential nano-grade antibiotics: An in-vitro study. February 2019. Materials Science and Engineering C 99(25). DOI:10.1016/j.msec.2019.02.057
22. Photophysical and electrochemical properties of oligothiophene in non-polymeric and polymeric solvents. May 2018.Journal of Molecular Structure 1168. DOI:10.1016/j.molstruc.2018.05.037
23. Influence of a Biobased Reagent on Properties of Industrial Resin for Printing Ink Application vis-à-vis Comparison with Standard Commercial Resin. May 2018. Polymers from Renewable Resources 9(2):59-74. DOI:10.1177/204124791800900202
24. Structure–Property Relationship of Hyperbranched Polymers. January 2018. DOI:10.1007/978-981-10-6514-9_4. In book: Hyperbranched Polymers for Biomedical Applications (pp.109-134)
25. Latest Biomedical Applications of Hyperbranched Polymers: Part 1: As Delivery Vehicle. January 2018. DOI:10.1007/978-981-10-6514-9_5. In book: Hyperbranched Polymers for Biomedical Applications (pp.135-150)
26. Part II—Synthesis of Hyperbranched Polymers: Mixed Chain-Growth and Step-Growth Methods. January 2018. DOI:10.1007/978-981-10-6514-9_3. In book: Hyperbranched Polymers for Biomedical Applications (pp.65-108)
27. Hyperbranched Polymers for Biomedical Applications. January 2018. DOI:10.1007/978-981-10-6514-9. ISBN: 978-981-10-6513-2
28. Flocculation of aqueous kaolin suspension using a biodegradable flocculant system of poly (vinyl alcohol)- Acacia nilotica gum blends. November 2017. Applied Clay Science 152. DOI:10.1016/j.clay.2017.10.035
29. A study on the factors affecting ink-substrate interactions in maplitho papers. November 2017. Conference: NIP & Digital Fabrication Conference 2017
30. Exploration of carboxymethyl guargum grafted hyperbranched poly (acrylic acid) as a scaffold for silver nanoparticles for ultrafast and selective sensing of Hg (II). October 2017. New Journal of Chemistry 41(23). DOI:10.1039/C7NJ03237D
31. Adsorption of soluble Pb(II) by a photocrosslinked polysaccharide hybrid: A swelling-adsorption correlation study. September 2017. Carbohydrate Polymers 177(5). DOI:10.1016/j.carbpol.2017.08.122
32. Copolymers from methyl methacrylate and butyl acrylate with hyperbranched architecture. July 2017. Journal of Applied Polymer Science 134(42):45356. DOI:10.1002/app.45356
33. In-vitro anti-cancer activity of shape controlled silver nanoparticles (AgNPs) in various organ specific cell lines. June 2017. Journal of Molecular Liquids 242. DOI:10.1016/j.molliq.2017.06.047
34. Application of the resin derived from the native Euphorbia caducifolia Haines as multifunctional additive in filled natural rubber compounds. August 2016. Rubber Chemistry and Technology 90(3). DOI:10.5254/rct.16.83775
35. A noble additive cum compatibilizer for dispersion of nanoclay into ethylene octene elastomer. June 2016. Applied Clay Science 126:41-49. DOI:10.1016/j.clay.2016.02.032
36. Surfactant mediated synthesis of poly(acrylic acid) grafted xanthan gum and its efficient role in adsorption of soluble inorganic mercury from water. June 2016. Carbohydrate Polymers 152(-249). DOI:10.1016/j.carbpol.2016.06.064

37. Derivation of a New Compounding Ingredient for Rubber from Waste Marble Powder and Study on its Suitability in an Innerliner Compound of Tubeless Tyres. May 2016. Progress in Rubber Plastics and Recycling Technology 32(2):55-72. DOI:10.1177/147776061603200201
38. Influence of hydrodynamic size and zeta potential of a novel polyelectrolyte poly (acrylic acid) grafted guar gum for adsorption of Pb(II) from acidic waste water. March 2016. Journal of Environmental Chemical Engineering 4(2). DOI:10.1016/j.jece.2016.02.034
39. Sequential amphiphilic and pH responsive hyperbranched copolymer: influence of hyper branching/ pendant groups on reversible self assembling from polymersomes to aggregates and usefulness in waste water treatment. November 2015. RSC Advances 5(124). DOI:10.1039/C5RA22567A
40. In-situ synthesis of polyacrylate grafted carboxymethyl guargum-carbon nanotube membranes for potential application in controlled drug delivery. November 2015. European Polymer Journal 74. DOI:10.1016/j.eurpolymj.2015.11.007.
41. Natural and Semisynthetic Nanoparticles in Lung Cancer Diagnosis and Therapy. November 2015. DOI:10.1007/978-81-322-2175-3_2. In book: Nanoparticles in Lung Cancer Therapy - Recent Trends (pp.17-26)
42. Modification of Poe with Eva in Melt through Statistical Approach-Formation of Double Network Hybrids. September 2015. Polymers and Polymer Composites 23(7):443-450. DOI:10.1177/096739111502300702
43. Influence of a blend of guar gum and poly (vinyl alcohol) on long term stability, antibacterial and antioxidant efficacies of silver nanoparticles. June 2015. RSC Advances 5(67). DOI:10.1039/C5RA08257A
44. Analysis of autohesion and physico-mechanical properties (multifunctional behavior) of the coagulum from the latex of euphorbia caducifolia haines vis-a -vis comparison against synthetic resins in natural rubber compounds. June 2015. Rubber Chemistry and Technology 88(3):150605083801005. DOI:10.5254/rct.15.85937
45. Fabrication of acrylic acid grafted guar gum-multiwalled carbon nanotube hydrophobic membranes for transdermal drug delivery. May 2015. RSC Advances 5(52). DOI:10.1039/C5RA03782D
46. Green Synthesis of Silver Nano/Micro Particles Using TKP and PVA and Its Anticancer Activity. April 2015. RSC Advances 5(50). DOI:10.1039/C5RA02095F
47. Statistically Designed High and Low Methyl Acrylate (Ma) Containing Ema-Ethylene-Octene Copolymer Double Network Hybrids: Interesting Contrast in Physico-Mechanical, Rheological and Electrical Properties. February 2015. Polymers and Polymer Composites 23(2):77-84DOI:10.1177/096739111502300203
48. Synthesis and characterization of polysaccharide based ternary hydrogel as matrix for potential application in tissue engineering.January 2015.Conference: MACRO 2015.At: IACS, Kolkata
49. Nanoparticles in Lung Cancer Therapy - Recent Trends. January 2015.DOI:10.1007/978-81-322-2175-3. Edition: Series: SpringerBriefs in Molecular Science, Copyright 2015. Publisher: Springer India. ISBN: 978-81-322-2174-6 (Print) 978-81-322-2175-3 (Online)
50. Polyelectrolytic aqueous guar gum for adsorptive separation of soluble Pb(II) from contaminated water.September 2014.Carbohydrate Polymers 110:224–230.DOI:10.1016/j.carbpol.2014.03.074

51. Green Synthesis of Silver Nano/Micro Particles Using TKP and PVA and Its Anticancer Activity. April 2015. RSC Advances 5(50). DOI:10.1039/C5RA02095F
52. Statistically Designed High and Low Methyl Acrylate (Ma) Containing Ema-Ethylene-Octene Copolymer Double Network Hybrids: Interesting Contrast in Physico-Mechanical, Rheological and Electrical Properties. February 2015. Polymers and Polymer Composites 23(2):77-84.DOI:10.1177/096739111502300203
53. Synthesis and characterization of polysaccharide based ternary hydrogel as matrix for potential application in tissue engineering. January 2015.Conference: MACRO 2015. At: IACS, Kolkata
54. Nanoparticles in Lung Cancer Therapy - Recent Trends. January 2015. DOI:10.1007/978-81-322-2175-3. Edition: Series: Springer Briefs in Molecular Science, Copyright 2015. Publisher: Springer India. ISBN: ISBN: 978-81-322-2174-6 (Print) 978-81-322-2175-3 (Online)
55. Springer Briefs in Molecular Science. January 2015. DOI:10.1007/978-81-322-2175-3_4. In book: Nanoparticles in Lung Cancer Therapy - Recent Trends (pp.39-62)
56. Polyelectrolytic aqueous guar gum for adsorptive separation of soluble Pb(II) from contaminated water. September 2014. Carbohydrate Polymers 110:224–230. DOI:10.1016/j.carbpol.2014.03.074
57. A New Silica-Rich Material From Waste Fly Ash - Generation, Characterisation and Study of its Effectiveness as a Filler For Rubber Compounds. July 2014. Polymers and Polymer Composites 22(6):569-580. DOI:10.1177/096739111402200609
53. Exploring polyelectrolytic features of the exudate from native Acacia nilotica for flocculating aqueous kaolin suspension. June 2014. Separation and Purification Technology 131:50–59. DOI:10.1016/j.seppur.2014.04.037.
54. A transdermal device from 2-hydroxyethyl methacrylate grafted carboxymethyl guar gum–multi-walled carbon nanotube composites. February 2014. RSC Advances 4(26). DOI:10.1039/c3ra47511e
55. A carboxy methyl tamarind polysaccharide matrix for adhesion and growth of osteoclast-precursor cells. January 2014. Carbohydrate Polymers 101(Suppl. 3):1033-42. DOI:10.1016/j.carbpol.2013.10.047
56. Physical, mechanical, and transdermal diltiazem release analysis of nanosilica tailored various poly(vinyl alcohol) membranes. November 2013. Journal of Applied Polymer Science 130(3). DOI:10.1002/app.39404
57. Microcrystalline cellulose (MCC) as green multifunctional additive (MFA) in emulsion styrene butadiene rubber based high silica compound. November 2013. Plastics Rubber and Composites 42(9):393-400. DOI:10.1179/1743289813Y.0000000061.
58. Unique Multifunctional Behaviour of Ash from the Latex of Euphorbia caducifolia Haines in Chlorobutyl Rubber (CIIR) Compound for a Truck Inner-Tube Application - Part II. November 2013. Polymers from Renewable Resources 4(4): 169-184.DOI:10.1177/204124791300400402
59. Maleic Anhydride Grafted Atactic Polypropylene As Exciting New Compatibilizer for poly(Ethylene-co-Octene) Organically Modified Clay Nanocomposites: Investigations on Mechanical and Rheological Properties. September 2013. Industrial & Engineering Chemistry Research 52(39):14143–14153. DOI:10.1021/ie400649p
60. Technical Analysis of Euphorbia caducifolia Haines Latex of South-East Asian Origin - Part I. August 2013. Polymers from Renewable Resources 4(3):133-151. DOI:10.1177/204124791300400303
61. Effect of Fly Ash as Filler in Rubber - A Comprehensive Study of the Vulcanisate Properties of Styrene-Butadiene Rubber Compounds. August 2013.Progress in Rubber Plastics and Recycling Technology 29(3):151-168.DOI:10.1177/147776061302900302
62. Uniquely different PVA-xanthan gum irradiated membranes as transdermal diltiazem delivery device. June 2013. DOI:10.1016/j.carbpol.2013.02.043

64. Guar gum and guar gum-oligomeric poly(vinyl alcohol) blends as novel flocculants for kaolinated waste water. April 2013. International Journal of Biological Macromolecules 58DOI:10.1016/j.ijbiomac.2013.03.069
65. Synthesis and characterization of novel polymeric hydrogels for tissue engineering and drug delivery. February 2013. Conference: APM 2013, CIPET, Lucknow, India.
66. A transdermal diltiazem hydrochloride delivery device using multi-walled carbon nanotube/poly(vinyl alcohol) composites. February 2013. Carbon 52:305–315. DOI:10.1016/j.carbon.2012.09.032
67. A New Silica-Rich Material From Waste Fly Ash - Generation, Characterisation and Study of its Effectiveness as a Filler For Rubber Compounds. July 2014. Polymers and Polymer Composites 22(6):569-580. DOI:10.1177/096739111402200609
68. Exploring polyelectrolytic features of the exudate from native Acacia nilotica for flocculating aqueous kaolin suspension. June 2014. Separation and Purification Technology 131:50–59.DOI:10.1016/j.seppur.2014.04.037.
69. A transdermal device from 2-hydroxyethyl methacrylate grafted carboxymethyl guar gum–multi-walled carbon nanotube composites. February 2014.RSC Advances 4(26).DOI:10.1039/c3ra47511e
70. A carboxy methyl tamarind polysaccharide matrix for adhesion and growth of osteoclast-precursor cells. January 2014. Carbohydrate Polymers 101(Suppl.3):1033-42. DOI:10.1016/j.carbpol.2013.10.047
71. Synthesis and characterization of novel polysaccharide based hydrogel as matrix for biomedical application. January 2014. Conference: Recent Advances in Polymer & Rubber Science & Technology, RAPT 2014.At: University of Calcutta, Kolkata
72. Physical, mechanical, and transdermal diltiazem release analysis of nanosilica tailored various poly(vinyl alcohol) membranes. November 2013. Journal of Applied Polymer Science 130(3) DOI:10.1002/app.39404

Microcrystalline cellulose (MCC) as green multifunctional additive (MFA) in emulsion styrene butadiene rubber based high silica compound. November 2013. Plastics Rubber and Composites 42(9):393-400.DOI:10.1179/1743289813Y.0000000061

73. Unique Multifunctional Behaviour of Ash from the Latex of Euphorbia caducifolia Haines in Chlorobutyl Rubber (CIIR) Compound for a Truck Inner-Tube Application - Part II. November 2013. Polymers from Renewable Resources 4(4):169-184. DOI:10.1177/204124791300400402
74. Maleic Anhydride Grafted Atactic Polypropylene As Exciting New Compatibilizer for poly(Ethylene-co-Octene) Organically Modified Clay Nanocomposites: Investigations on Mechanical and Rheological Properties. September 2013. Industrial & Engineering Chemistry Research 52(39):14143–14153.DOI:10.1021/ie400649p
75. Technical Analysis of Euphorbia caducifolia Haines Latex of South-East Asian Origin - Part I. August 2013. Polymers from Renewable Resources 4(3):133-151. DOI:10.1177/204124791300400303
76. Effect of Fly Ash as Filler in Rubber - A Comprehensive Study of the Vulcanisate Properties of Styrene-Butadiene Rubber Compounds. August 2013. Progress in Rubber Plastics and Recycling Technology 29(3):151-168. DOI:10.1177/147776061302900302
77. Uniquely different PVA-xanthan gum irradiated membranes as transdermal diltiazem delivery device.June 2013.DOI:10.1016/j.carbpol.2013.02.043
78. Guar gum and guar gum-oligomeric poly(vinyl alcohol) blends as novel flocculants for kaolinated waste water. April 2013. International Journal of Biological Macromolecules 58.DOI:10.1016/j.ijbiomac.2013.03.069
79. Synthesis and characterization of novel polymeric hydrogels for tissue engineering and drug delivery. February 2013. Conference: APM 2013, CIPET, Lucknow, India.
80. A transdermal diltiazem hydrochloride delivery device using multi-walled carbon nanotube/poly(vinyl alcohol) composites. February 2013. Carbon 52:305–315.DOI:10.1016/j.carbon.2012.09.032
81. Acrylic acid grafted guargum-nanosilica membranes for transdermal diclofenac delivery. January 2013.DOI:10.1016/j.carbpol.2012.08.035
82. Optimization of engineering and solvent resistive behavior of high vinyl acetate content EVA-modified poly(ethylene-co-1-octene) interpenetrating network blends using taguchi orthogonal array. December 2012. Journal of Applied Polymer Science 126(6). DOI:10.1002/app.36684
83. Shellac as a Multifunctional Additive (MFA) in a Typical Truck Tyre Sidewall Compound. November 2012. Progress in Rubber Plastics and Recycling Technology 28(4):173-188. DOI:10.1177/147776061202800403
84. Exploring Microcrystalline Cellulose (MCC) as a Green Multifunctional Additive (MFA) in a Typical Solution-Grade Styrene Butadiene Rubber (S-SBR)-Based Tread Compound. August 2012. Industrial & Engineering Chemistry Research 51(32):10649–10658. DOI:10.1021/ie301268e
85. Interesting correlation between structure, physicomechanical, swelling and sustained transdermal release behavior of diltiazem hydrochloride in various poly(vinyl alcohol) hydrogel membranes. June 2012. Journal of Applied Polymer Science 124(S1). DOI:10.1002/app.34678
86. The role of tackifiers on the auto-adhesion behavior of EPDM rubber. April 2012. Journal of Materials Science 47(7):3166-3176.DOI:10.1007/s10853-011-6151-y
87. Introducing different poly (vinyl alcohol)s as new flocculant for kaolinated waste water. March 2012. Separation and Purification Technology 88:87–94. DOI:10.1016/j.seppur.2011.12.016
88. Plasticizing Polystyrene with Waste Leather Buffing Dust: a Drive Towards Waste-Polymer Composite Synthesis. March 2012.Polymers and Polymer Composites 20(3):279-288.DOI:10.1177/096739111202000306

89. Tailoring carboxymethyl guargum hydrogel with nanosilica for sustained transdermal release of diclofenac sodium. January 2012.Carbohydrate Polymers 87(2):1532-1538.DOI:10.1016/j.carbpol.2011.09.050
90. In-situ silica incorporated carboxymethyl tamarind: Development and application of a novel hybrid nanocomposite. September 2011. International Journal of Biological Macromolecules 49(5):1152-9. DOI:10.1016/j.ijbiomac.2011.09.012
91. Polymer hydrogel from carboxymethyl guar gum and carbon nanotube for sustained trans-dermal release of diclofenac sodium. August 2011.International Journal of Biological Macromolecules 49(5):885-93.DOI:10.1016/j.ijbiomac.2011.08.003
92. Sustained transdermal release of diltiazem hydrochloride through electron beam irradiated different PVA hydrogel membranes. August 2011.Nuclear Instruments and Methods in Physics Research Section B Beam Interactions with Materials and Atoms 269(16):1822-1828.DOI:10.1016/j.nimb.2011.05.011
93. Gel viscosity influenced by nanosilica phase morphology in high and low molecular weights PVA-ex-situ silica hybrids. August 2011. Journal of Sol-Gel Science and Technology 59(2)DOI:10.1007/s10971-011-2494-8
94. Swelling Deswelling Studies after FREEZE-THAW Treatment of Nanosilica Reinforced Poly (vinyl - ORGANIC-INORGANIC Hybrid Hydrogel. August 2011.International Journal of Nanoscience 10(04n05):1087-.DOI:10.1142/S0219581X1100946
95. Physicomechanical Studies and Solvent Resistance Analysis of Melt-Blended Novel Ethylene-1-Octene Elastomer and Ethylene-co-Acrylic Acid Interpenetrating Network Hybrids. June 2011. Journal of Applied Polymer Science 120(6).DOI:10.1002/app.33345
96. Influence of nanoclay on adhesion of EPDM vulcanizate. June 2011. International Journal of Adhesion and Adhesives 31(4):209-219. DOI:10.1016/j.ijadhadh.2011.02.001
97. Surface modification of argon/oxygen plasma treated vulcanized ethylene propylene diene polymethylene surfaces for improved adhesion with natural rubber. January 2011.Applied Surface Science 257(7):2891-2904.DOI:10.1016/j.apsusc.2010.10.087
98. Elegant Way of Strengthening Polymer-Polymer Interface Using Nanoclay. October 2010. ACS Applied Materials & Interfaces 2(10).DOI:10.1021/am100865n
99. Some Physicomechanical Investigations on Near-transparent High Hydrolyzed Grade Poly(vinyl alcohol) Gels Impregnated with Surface-modified Waste Fly Ash. September 2010. Journal of Elastomers & Plastics 42(5):433-442.DOI:10.1177/0095244310376043
100. Effect of tackifier compatibility and blend viscoelasticity on peel strength behavior of vulcanized EPDM rubber co-cured with unvulcanized rubber. September 2010. International Journal of Adhesion and Adhesives 30(6):489-499.DOI:10.1016/j.ijadhadh.2010.04.003
101. Characterization of EPDM Vulcanizates Modified with Gamma Irradiation and Trichloroisocyanuric Acid and Their Adhesion Behavior with Natural Rubber. February 2010. The Journal of Adhesion 86(3):306-334.DOI:10.1080/00218460903479305
102. Nanoclay distribution and its influence on the mechanical properties of rubber blends. January 2010. Journal of Applied Polymer Science 115(2):1237 – 1246.DOI:10.1002/app.30655
103. Ionomeric Modification of a Metallocene-Based Polyolefinic Elastomer and Its Influence on the Physicomechanical Properties: Effects of the Crystallinity and Pendent Chain Length. December 2009. Journal of Applied Polymer Science 114(6):3906 – 3914.DOI:10.1002/app.30662
104. Adhesion of Vulcanized Rubber Surfaces: Characterization of Unmodified and Electron Beam Modified EPDM Surfaces and Their Co-vulcanization with Natural Rubber. September 2009. Journal of Adhesion Science and Technology 23(13-14):1763-1786. DOI:10.1163/016942409X12489445844471
105. Ionomeric modification of metallocene-based polyolefinic elastomers with varied pendant chain length and its influence on physico-mechanical properties. June 2009.Journal of Materials Science 44(12):3125-3134.DOI:10.1007/s10853-009-3415-x

106. Sulfonation of Metallocene-Based Polyolefinic Elastomers and Its Influence on Physicomechanical Properties: Effect of Reaction Parameters, Styrene Grafting, and Pendant Chain Length. December 2008. Journal of Polymer Science Part A Polymer Chemistry 46(24):8023 – 8040.DOI:10.1002/pola.23101
107. Rubber–Silica Hybrid Nanocomposites. May 2008.DOI:10.1201/9781420007183.ch3. In book: Current Topics in Elastomers Research
108. Rubber Nanocomposites Based on Miscellaneous Nanofillers. May 2008. DOI:10.1201/9781420007183-4.In book: Current Topics in ELASTOMERS RESEARCH (pp.89-100)
109. New generation layered nanocomposites derived from ethylene-co-vinyl acetate and naturally occurring graphite. May 2008. Journal of Applied Polymer Science 108(3):1603 - 1616.DOI:10.1002/app.25067
110. Chemical modification of metallocene-based polyolefinic elastomers by acrylic acid and its influence on physico-mechanical properties: Effect of reaction parameters, crystal unity and pendant chain length.December 2007.Journal of Polymer Science Part A Polymer Chemistry 45(23):5529 – 5540.DOI:10.1002/pola.22298
111. Studies on photocatalytic degradation of polystyrene. March 2007. Materials Science and Technology 23(3):307-314. DOI:10.1179/174328407X158640
112. Factors Influencing the Structure and Properties of Nanocomposites Derived by Sol-Gel Technique. October 2006. Journal of Polymer Engineering 26(8-9). DOI:10.1515/POLYENG.2006.26.8-9.821
113. Structure-property relationship in sol-gel derived polymer/silica hybrid nanocomposites prepared at various pH. September 2006. Journal of Materials Science 41(18):5981-5993. DOI:10.1007/s10853-006-0254-x
114. Preparation and Properties of New in-situ Acrylic Copolymer/Terpolymer- Clay Hybrid Nanocomposites. September 2006. Rubber Chemistry and Technology 79(4):820-834. DOI:10.5254/1.3547963
115. Effect of acrylic copolymer and terpolymer composition on the properties of in-situ polymer/silica hybrid nanocomposites. February 2006.Journal of Materials Science 41(3):927-936.DOI:10.1007/s10853-006-6576-x
116. Synthesis and properties of nanocomposite adhesives. January 2006. Journal of Adhesion Science and Technology 20(4):371-385. DOI:10.1163/156856106776381794
117. Rheological Behavior of Hybrid Rubber Nanocomposites.November 2005. Rubber Chemistry and Technology 78(5):806-826.DOI:10.5254/1.3547915
118. Poly(Vinyl Alcohol)/Silica Hybrid Nanocomposites by Sol-Gel Technique: Synthesis and Properties. October 2005.Journal of Materials Science 40(19):5233-5241.DOI:10.1007/s10853-005-4417-y
119. Effect of microstructure of acrylic copolymer/terpolymer on the properties of silica based nanocomposites prepared by sol–gel technique. September 2005.Polymer 46(19):8079-8090.DOI:10.1016/j.polymer.2005.06.067
120. Polymer-filler interactions in sol-gel derived polymer/silica hybrid nanocomposites. September 2005. Journal of Polymer Science Part B Polymer Physics 43(17):2399 – 2412.DOI:10.1002/polb.20541
121. Solution Rheology of Poly(vinyl alcohol)/Silica Hybrid Nanocomposites.July 2005. Polymers and Polymer Composites 13(5):429-442.DOI:10.1177/096739110501300501
122. Polyamide-6,6/in situ silica hybrid nanocomposites by sol-gel technique: Synthesis, characterization and properties. April 2005. Polymer 46(10):3343-3354.DOI:10.1016/j.polymer.2005.02.104
123. Effect of reaction parameters on the structure and properties of acrylic rubber/silica hybrid nanocomposites prepared by sol-gel technique. March 200. Journal of Applied Polymer Science 95(6):1418 – 1429. DOI:10.1002/app.21382

124. Epoxidised natural rubber/silica hybrid nanocomposites by sol-gel technique: Effect of reactants on the structure and the properties. January 2005. Journal of Materials Science 40(1):53-62. DOI:10.1007/s10853-005-5687-0

125. Synthesis and characterization of acrylic rubber/silica hybrid composites prepared by sol-gel technique. September 2004. Journal of Applied Polymer Science 93(6):2579 – 2589. DOI:10.1002/app.20681

Dr. Tathagata Deb
Assistant Professor of Chemistry,RCCIIT
Ref- https://scholar.google.com/citations?user=5mh84TgAAAAJ&hl=en&oi=ao

1. Modification of the toxicity of an azo compound through complex formation help target bacterial strain. J-Chem.Sci (2018) 130:94 ,1-9. DOI: 10.1007/s12039-018-1510-8. ISSN NO: 0974-3626(print)/0973-7103(web)

2. Enhancement of anti-leukemic potential of 2-hydroxyphenyl-azo-2′-naphthol (HPAN) on MOLT-4 cells through conjugation with Cu(II). *RSC Adv.*, 2014,4, 18419-18430. DOI: 10.1039/C3RA44765K.ISSN NO: 20462069

3. Synthesis and characterization of 5-amino-2-((3-hydroxy-4-((3-hydroxyphenyl) phenyl) diazenyl) phenol and its Cu(II) complex – a strategy toward developing azo complexes for reduction of cytotoxicity. Complex Metals 03/2014; 1(1):13-22. DOI: 10.1080/2164232X.2014.883287.ISSN NO: 2164-232X.

4. A complex of Co(II) with 2-hydroxyphenyl-azo-2'-naphthol (HPAN) is far less cytotoxic than the parent compound on A549-lung carcinoma and peripheral blood mononuclear cells: Reasons for reduction in cytotoxicity.Chem Biol Interact 2011 Feb 24;189(3):206-14. Epub 2010 Nov 24.ISSN NO : 00092797. DOI: 10.1016/j.cbi.2010.11.007

5 Studies on the formation of a Co(II) complex with 2-hydroxy phenyl azo-2/ -naphthol in aqueous solution and solid state with potential radioprotection properties. International Journal of Pure and Applied Chemistry (IJPAC) 4 (3) 2009:131-138ISSN NO: 1023-666X

6. Synthesis and application of 2-nitro-2',4'-dihydroxyazobenzene,4-nitro-2',4'- dihydroxyzobenzene and 2-carboxy-2'-hydroxyazonaphthol for dyeing of jute fabric.J.INDIAN CHEM.SOC.,VOLUME-84, INDIAN CHEMICAL SOCIETY, October,2007. ISSN NO: 00194522

7. Sangita Agarwal, Soumendra Darbar, Srimoyee Saha and Tathagata Deb."Sanative effect of a low-cost novel green formulation – IM-SSS20 to minimize the inflammatory and cytokine storm against respiratory diseases" Innoriginal:International Journal Of Sciences. 7 (6), Nov-Dec 2020 :1-11http://tiny.cc/PJSE24476153v6i7p001-008

8. Sangita Agarwal, Srimoyee Saha, Tathagata Deb and Soumendra Darbar, Immunity augmenting food supplements for susceptible individuals in combating pandemic COVID-19 (Review)Immunity augmenting food supplements for susceptible individuals in combating pandemic COVID-19 (Review)2020: 6(4)788.

9. Book: Chemistry for Engineers SBN-10 : 9390385717, ISBN-13 : 978-9390385713

Dr. Shyam Sarkar
Assistant Professor in Chemistry, Anandamohan College, Kolkata
Postdoc, Molecular Nanofabrication, University of Twente
Ref. https://scholar.google.com/citations?hl=en&user=vfL65KQAAAAJ&view_op=list_works&sortby=pubdate

1. Frontispiece: Tuning the Energy Transfer Efficiency between Ce^{3+} and Ln^{3+} Ions (Ln=Tm, Sm, Tb, Dy) by Controlling the Crystal Phase of $NaYF_4$ Nanocrystals VNKB Adusumalli, HV Koppisetti, S Ganguli, S Sarkar, V Mahalingam Chemistry–A European Journal 23 (5), 2017
2. Tuning the Energy Transfer Efficiency between Ce^{3+} and Ln^{3+} Ions (Ln=Tm, Sm, Tb, Dy) by Controlling the Crystal Phase of $NaYF_4$ Nanocrystals VNKB Adusumalli, HV Koppisetti, S Ganguli, S Sarkar, V Mahalingam Chemistry–A European Journal 23 (5), 994-1000. 2017
3. Ce3+ sensitized Ln (3+)-doped nanocrystals for sensing and light emitting applications V Mahalingam, VNKB Adusumalli, HV Koppisetti, S Sarkar, M Chatti ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES 2017,73, C1235-C1235.
4. Glutathione-modified ultrasmall $Ce^{3+}$and Tb^{3+}-doped SrF2 nanocrystals for fluorescent determination of Hg(II) and Pb(II) ions. Chatti M.;Sarkar S.;Mahalingam V. Microchimica Acta, Volume 183, Year 2016, Pages 133-140.DOI:10.1007/s00604-015-1610-9 .
5. Versatile, Fast, and Easy One-Step Method for the Synthesis of Hydrophilic Lanthanide-Doped Nanoparticles. Graña-Suárez L.;Verboom W.;Sarkar S.;Mahalingam V.;Huskens J. 2016. ChemistrySelect 1 (13), 4068-4074
6. Back Cover: A Luminescent Nanocrystal Marker for the Selective and Ultrasensitive Detection of Explosives (ChemNanoMat 8/2016) S Sarkar, L Graña-Suárez, W Verboom, V Mahalingam, J Huskens. ChemNanoMat 2016.2 (8), 840-840.
7. A luminescent nanocrystal marker for the selective and ultrasensitive detection of explosives S Sarkar, L Graña-Suárez, W Verboom, V Mahalingam, J Huskens ChemNanoMat, 2016, 2 (8), 805-809
8. Enhanced visible and near infrared emissions via Ce 3+ to Ln 3+ energy transfer in Ln 3+-doped CeF 3 nanocrystals (Ln= Nd and Sm) T Samanta, S Sarkar, VNKB Adusumalli, AE Praveen, V Mahalingam. Dalton Transactions 2016, 45 (1), 78-84
9. Highly Selective and Sensitive Detection of Cu^{2+} Ions Using Ce(III)/Tb(III)-Doped SrF_2 Nanocrystals as Fluorescent Probe S Sarkar, M Chatti, VNKB Adusumalli, V Mahalingam. ACS Applied Materials & Interfaces. 2015,7 (46), 25702-25708
10. Strong Single-Band Blue Emission from Colloidal Ce^{3+}/Tm^{3+}-Doped $NaYF_4$ Nanocrystals for Light-Emitting Applications VNKB Adusumalli, S Sarkar, V Mahalingam, Chemphyschem, 2015, 16 (11), 2312-2316.
11. Intense NIR emissions at 0.8 μm, 1.47 μm, and 1.53 μm from colloidal LiYbF 4: Ln 3+(Ln= Tm 3+ and Er 3+) nanocrystals S Sarkar, VNKB Adusumalli, V Mahalingam, JA Capobianco Physical Chemistry Chemical Physics 2015, 17 (27), 17577-17583.
12. Highly Luminescent Colloidal Eu^{3+}-Doped $KZnF_3$ Nanoparticles for the Selective and Sensitive Detection of Cu^{II} Ions S Sarkar, M Chatti, V Mahalingam Chemistry–A European Journal 2014, 20 (12), 3311-3316
13. Microwave Synthesis, Photoluminescence, and Photocatalytic Activity of PVA-Functionalized Eu^{3+}-Doped BiOX (X = Cl, Br, I) Nanoflakes A Dash, S Sarkar, VNKB Adusumalli, V Mahalingam Langmuir, 2014, 30 (5), 1401-1409.
14. Strong Stokes and Upconversion Luminescence from Ultrasmall Ln^{3+}-Doped BiF_3 (Ln=Eu^{3+}, Yb^{3+}/Er^{3+}) Nanoparticles Confined in a Polymer Matrix S Sarkar, A Dash, V Mahalingam Chemistry–An Asian Journal 2014, 9 (2), 447-451.
15. Ce3+ sensitized Ln (3+)-doped nanocrystals for sensing and light emitting applications V Mahalingam, VNKB Adusumalli, HV Koppisetti, S Sarkar, M Chatti ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES 2014, 70, C1235-C1235
16. Ricinoleic Acid-Capped Upconverting Nanocrystals: An Ideal Capping Ligand to Render Nanocrystals Water Dispersible B Meesaragandla, S Sarkar, C Hazra, V Mahalingam ChemPlusChem 2013, 78 (11), 1338-1342

17. Sub-5 nm Ln3+-doped BaLuF5 nanocrystals: a platform to realize upconversion via interparticle energy transfer (IPET) S Sarkar, B Meesaragandla, C Hazra, V Mahalingam Advanced Materials 2013, 25 (6), 856-860
18. Eu 3+ ions as an optical probe to follow the growth of colloidal ZnO nanostructures C Hazra, S Sarkar, B Meesaragandla, V Mahalingam Dalton Transactions 2013, 42 (33), 11981-11986
19. Tuning the crystalline phase and morphology of the YF 3: Eu 3+ microcrystals through fluoride source S Sarkar, V Mahalingam CrystEngComm 2013, 15 (29), 5750-5755
20. Scaling down the size of BaLnF 5 nanocrystals (Ln= La, Gd, and Lu) with the Ln 3+ size S Sarkar, C Hazra, V Mahalingam Dalton Transactions 2013, 42 (1), 63-66.
21. Bright Luminescence from Colloidal Ln^{3+}-Doped $Ca_{0.72}Y_{0.28}F_{2.28}$ (Ln=Eu, Tm/Yb) Nanocrystals via Both High and Low Energy Radiations S Sarkar, C Hazra, V Mahalingam Chemistry–A European Journal 2012, 18 (23), 7050-7054
22. Selective reduction of visible upconversion emissions induced by Bi^{3+} in Tm^{3+}/Yb^{3+}-doped $Y_{0.89-x}Bi_xVO_4$ microcrystals C Hazra, S Sarkar, V Mahalingam RSC advances, 2012,2 (17) 6926-6931
23. Enhanced quantum efficiency for Dy 3+ Emissions in water dispersible PbF 2 nanocrystals S Sarkar, C Hazra, M Chatti, V Sudarsan, V Mahalingam RSC advances 2012, 2 (22), 8269-8272.
24. Sonication-responsive organogelation of a tripodal peptide and optical properties of embedded Tm 3+ nanoclusters S Maity, S Sarkar, P Jana, SK Maity, S Bera, V Mahalingam, D Haldar Soft Matter 8 (30), 7960-7966.

Dr. Suvonil Sinha Ray
Faculty, Department of Chemistry, Ramakrishna Mission Residential College, Narendrapur, Kolkata
Ref.https://scholar.google.com/citations?hl=en&user=bmkPFa0AAAAJ&view_op=list_works&sortby=pubdate

1. Structural properties and isomerisation of simple S-nitrosothiols: *ab initio* studies with a simplified treatment of correlation effects S Manna, S Sinha Ray, P Ghosh, S Chattopadhyay Molecular Physics 2020, 118 (5), e1641639.
2. Ab initio diagnosis of isomerization pathway of diphosphene and diphosphinylidene SS Ray Chemical Physics 2020, 529, 110555.
3. A simplified account of the correlation effects to bond breaking processes: The Brillouin-Wigner perturbation theory using a multireference formulation S Manna, SS Ray, S Chattopadhyay, RK Chaudhuri The Journal of Chemical Physics, 2019,151 (6).
4. Multireference perturbation theory with improved virtual orbitals for radicals: More degeneracies, more problems S Sinha Ray, S Manna, A Ghosh, RK Chaudhuri, S Chattopadhyay International Journal of Quantum Chemistry 2019, 119 (4), e25776.
5. On the conversion XCN↔ XNC via an efficient and economic perturbative wave function approach S Manna, SS Ray, P Ghosh, S Chattopadhyay Molecular Physics 2018, 116 (17), 2147-2161
6. Sugar-Based Self-Assembly of Hydrogel Nanotubes Manifesting ESIPT: Theoretical Insight and Application in Live Cell Imaging S Maity, SS Ray, A Chatterjee, N Chakraborty, J Ganguly ChemistrySelect 2018, 3 (23), 6575-6580
7. Earthquake induced liquefaction hazard, probability and risk assessment in the city of Kolkata, India: its historical perspective and deterministic scenario SK Nath, N Srivastava, C Ghatak, MD Adhikari, A Ghosh, SP Sinha Ray. Journal of Seismology 2018,22, 35-68
8. Description of C_2 dissociation using a naive treatment of dynamical correlation in the presence of quasidegeneracy of varying degree S Sinha Ray, S Manna, RK Chaudhuri, S Chattopadhyay Molecular Physics 2017, 115 (21-22), 2789-2806.
9. Combined complete active space configuration interaction and perturbation theory applied to conformational energy prototypes: Rotation and inversion barriers SS Ray, US Mahapatra, RK Chaudhuri, S Chattopadhyay Computational and Theoretical Chemistry 2017,1120, 56-78.

10. Four-component relativistic state-specific multireference perturbation theory with a simplified treatment of static correlation A Ghosh, S Sinha Ray, RK Chaudhuri, S Chattopadhyay The Journal of Physical Chemistry A 2017,121 (7), 1487-1501
11. Improved virtual orbitals in state specific multireference perturbation theory for prototypes of quasidegenerate electronic structure S Sinha Ray, P Ghosh, RK Chaudhuri, S Chattopadhyay The Journal of Chemical Physics 2017, 146 (6)
12. Communication: Viewing the ground and excited electronic structures of platinum and its ion through the window of relativistic coupled cluster method S Sinha Ray, RK Chaudhuri, S Chattopadhyay The Journal of Chemical Physics 2017,146.
13. A simplified ab initio treatment of diradicaloid structures produced from stretching and breaking chemical bonds. SS Ray, A Ghosh, A Shit, RK Chaudhuri, S Chattopadhyay Physical Chemistry Chemical Physics 19 (33), 22282-22301.
14. Taming the electronic structure of diradicals through the window of computationally cost effective multireference perturbation theory S Sinha Ray, A Ghosh, S Chattopadhyay, RK Chaudhuri The Journal of Physical Chemistry A 2016, 120 (29), 5897-5916.
15. State-specific multireference perturbation theory: development and present status S Chattopadhyay, RK Chaudhuri, US Mahapatra, A Ghosh, SS Ray Wiley Interdisciplinary Reviews: Computational Molecular Science 2016, 6 (3), 266-291

Dr. Rajesh Nandi
PhD, University of Calcutta

1. Catalytic I_2-Moist DMSO Mediated Synthesis of α-Amidohydroxyketones and Unsymmetrical gem-Bisamides from Benzimidates. March 2023. Organic & Biomolecular Chemistry 21(12). DOI:10.1039/D3OB00165B
2. Inhibitory role of smart nano-trifattyglyceride of Moringa oleifera-root in ovarian cancer by attenuating FSHR - c-Myc axis. April 2021. Journal of Traditional and Complementary Medicine 11(1). DOI:10.1016/j.jtcme.2021.03.005
3. Benzimidates as gem -Diamidation and Amidoindolyzation Cascade Synthons with a Hydrated Ni II Catalyst. April 2020. Organic Letters 22(9). DOI:10.1021/acs.orglett.0c00928
4. Selective amidation by a photocatalyzed umpolung reaction. March 2019. Chemical Communications 55(27). DOI:10.1039/C9CC01079C
5. A smart sensor for rapid detection of lethal hydrazine in human blood and drinking water. January 2019. New Journal of Chemistry 43(8).DOI:10.1039/C8NJ06230G

Department of Mathematics

Rakesh Bharti

Sl. No.	Details of Publication	Impact Factor of the Journal
1	Zero-divisor graph and comaximal graph of rings of continuous functions with countable range R.Bharti, A.Acharyya, A. Deb Ray, S.K. Acharyya *Journal of Algebra and Its Applications* (2023) DOI:10.1142/S0219498824502438	0.610
2	A generalization of topology of uniform convergence on C(X) R.Bharti, A.Deb Ray, S.K. Acharyya, S. Acharyya Topology and its Applications 310(3):108041(2022)	0.583
3	Intrinsic characterizations of C-realcompact spaces S.K. Acharyya, R.Bharti, A.Deb Ray, *Applied General Topology* 22(2):295 (2021) DOI:10.4995/agt.2021.13696	0.373
4	Intermediate Rings of a Class of Ordered Field Valued Continuous Functions S.K. Acharyya, R.Bharti,M.Parsinia *Quaestiones Mathematicae* 45(6):1-16 DOI:10.2989/16073606.2021.1899084	0.81
5	Rings and subrings of continuous functions with countable range S.K. Acharyya, R.Bharti, A.Deb Ray *Quaestiones Mathematicae* 44(6):1-20 (2020) DOI:10.2989/16073606.2020.1752322	0.81

Name: Prof. Bibhash Chandra Giri

Department Mathematics

Sl. No.	Details of Publication	Impact Factor of

		the Journal
1.	Pricing and bundling strategies for complementary products in a closed-loop green supply chain under manufacturers' different behaviors C Mondal, BC Giri *Expert Systems with Applications* **238**, 121960(2024)	1.854
2.	Optimizing production-inventory replenishment and lead time decisions under a fill rate constraint in a two-echelon sustainable supply chain with quality issues D Castellano, R Gabbrielli, M Gallo, BC Giri, S Sarkar *International Journal of Systems Science: Operations & Logistics* **10 (1)**, 2173540(2023)	9.04
3	Tax-subsidy or reward-penalty? Determining optimal strategy in sustainable closed-loop supply chain under quality-dependent return C Mondal, BC Giri *International Journal of Systems Science: Operations & Logistics* **10 (1),** 2116738(2023)	9.04
4.	Coordination and defect management strategy for a two-level supply chain under price and sales effort-sensitive demand A Dash, BC Giri, A Kumar Sarkar *International Journal of Systems Science: Operations & Logistics* **10 (1),** 2103198 (2023)	9.04
5.	Manufacturer–retailer supply chain model with payment time-dependent discount factor under two-level trade credit R Bhattacharjee, T Maiti, BC Giri *International Journal of Systems Science: Operations & Logistics* **10 (1),** 2005842(2023)	9.04
6.	Corporate social responsibility in a closed-loop supply chain with dual-channel waste recycling SK Dey, BC Giri *International Journal of Systems Science: Operations & Logistics* **10 (1),** 2005844(2023)	9.04
7.	Green consideration in a closed-loop supply chain model with imperfect inspection under learning impact M.Masanta, B.C.Giri, P.Das *Journal of Cleaner Production* 428(19):139201(2023) DOI:10.1016/j.jclepro.2023.139201	11.072
8.	Competitive used products collection strategies in a closed-loop supply chain through tri-partite evolutionary game theory S Bera, BC Giri *Environment, Development and Sustainability*, 1-34(2023)	4.08
9.	Coordinating a reverse supply chain under stochastic demand and uncertain quality of returned products BC Giri, SK Dey *Kybernetes* **52 (11),** 5593-5620(2023)	2.4
10.	Empowerment of women in India as different perspectives based on the AHP-TOPSIS inspired multi-criterion decision making method D Adhikari, KH Gazi, BC Giri, F Azizzadeh, SP Mondal	2.56

Results in Control and Optimization **12**, 100271(2023)

11. A supply chain model with two competitive buyers under a hybrid greening cost and revenue-sharing contract — 5.7
B Samanta, BC Giri, K Chaudhuri
Journal of Management Analytics, 1-38(2023)

12. Prediagnosis of Disease Based on Symptoms by Generalized Dual Hesitant Hexagonal Fuzzy Multi-Criteria Decision-Making Techniques — 1.9
AF Momena, S Mandal, KH Gazi, BC Giri, SP Mondal
Systems **11 (5),** 231(2023)

13. Coordination of a single-manufacturer multi-retailer supply chain with price and green sensitive demand under stochastic lead time — 13.93
A Dash, BC Giri, AK Sarkar
Decision Making: Applications in Management and Engineering **6 (1)**, 679-715(2023)

14. Selection of cloud service providers using MCDM methodology under intuitionistic fuzzy uncertainty — 3.732
N Ghorui, SP Mondal, B Chatterjee, A Ghosh, A Pal, D De, BC Giri
Soft Computing **27 (5),** 2403-2423(2023)

15. Optimal site selection for women university using neutrosophic multi-criteria decision making approach — 3.8
FA Alzahrani, N Ghorui, KH Gazi, BC Giri, A Ghosh, SP Mondal
Buildings **13 (1),** 152 (2023)

16. A vendor-buyer supply chain model with price, warranty and green sensitive demand under greening cost, warranty cost and revenue sharing contract — 0.461
B Samanta, A Giri, BC Giri
International Journal of Mathematics in Operational Research 25 (3), 289-322(2023)

17. Neutrosophic MAGDM based on critic-EDAS strategy using geometric aggregation operator — 0.26
R Mallick, S Pramanik, BC Giri
Yugoslav Journal of Operations Research, **16**-16(2023)

18. Sustainable supply chain coordination with greening and promotional effort dependent demand — 0.353
A Paul, T Garai, BC Giri
International Journal of Procurement Management **16 (2),** 196-233(2023)

19. Transforming Trends of Operations Management Research — 3.0
BC Giri
Universal Journal of Operations and Management, 112-115(2022)

20. Analyzing strategies in a green e-commerce supply chain with return policy and exchange offer — 7.18
C Mondal, BC Giri
Computers & Industrial Engineering **171**, 108492(2022)

21. The bullwhip effect in a manufacturing/remanufacturing supply chain under a price-induced non-standard ARMA (1, 1) demand process — 6.363

BC Giri, CH Glock
European Journal of Operational Research **301 (2),** 458-472(2022)

22. Analyzing a manufacturer-retailer sustainable supply chain under cap-and-trade policy and revenue sharing contract — 2.708
C Mondal, BC Giri
Operational Research **22 (4),** 4057-4092(2022)

23. A manufacturing–remanufacturing supply chain model with learning and forgetting in inspection under consignment stock agreement — 2.708
M.Masanta, B.C.Giri *Operational Research* 22(19) (2022)
DOI:10.1007/s12351-021-00662-1

24. Investigating a green supply chain with product recycling under retailer's fairness behavior — 1.411
C Mondal, BC Giri
Journal of Industrial and Management Optimization **18 (5),** 3641-3677(2022)

25. Impact of uncertain demand and lead-time reduction on two-echelon supply chain — 4.82
S.Sarkar, S.Tiwari, B.C.Giri *Annals of Operations Research* 315(2018) (2021)
DOI:10.1007/s10479-021-04105-0

26. Multi-criteria decision making problem with spherical neutrosophic sets — 0.416
MU Molla, BC Giri
OPSEARCH, 1-18(2022)

27. Coordinating a supplier–retailer JELS model considering product quality assessment and green retailing — 11.072
S Sarkar, NM Modak, BC Giri, AK Sarkar, LE Cárdenas-Barrón
Journal of Cleaner Production **356**, 131658(2022)

28. Investigating strategies of a green closed-loop supply chain for substitutable products under government subsidy — 0.533
C Mondal, BC Giri
Journal of Industrial and Production Engineering **39 (4),** 253-276(2022)

29. Pythagorean fuzzy DEMATEL method for supplier selection in sustainable supply chain management — 1.854
BC Giri, MU Molla, P Biswas
Expert Systems with Applications **193,** 116396(2022)

30. Optimal lot-sizing policy for a failure prone production system with investment in process quality improvement and lead time variance reduction — 1.411
S Sarkar, BC Giri
Journal of Industrial and Management Optimization **18 (3),** 1891-1913(2022)

31. Retailers' competition and cooperation in a closed-loop green supply chain under governmental intervention and cap-and-trade policy — 2.708
C Mondal, BC Giri
Operational Research, 1-36(2022)

32. Safety stock management in a supply chain model with waiting time and price discount dependent backlogging rate in stochastic environment — 2.708
S Sarkar, BC Giri
Operational Research, 1-30(2022)

33. A closed-loop supply chain model with uncertain return and learning-forgetting effect in production under consignment stock policy — 2.708
B.C.Giri, M.Masanta *Operational Research* 22(5) (2022)
DOI:10.1007/s12351-020-00571-9

34.	Green sustainable supply chain under cap and trade regulation involving government introspection A Paul, BC Giri *RAIRO-Operations Research* **56 (2),** 769-794(2022)	1.8
35.	Optimal batch shipment policy for an imperfect production system under price-, advertisement-and green-sensitive demand BC Giri, A Dash *Journal of Management Analytics* **9 (1),** 86-119(2022)	5.7
36.	Optimal sustainability investment and pricing decisions in a two-echelon supply chain with emissions-sensitive demand under cap-and-trade policy BC Giri, I Ray *Opsearch*, 1-23(2022)	0.416
37.	A closed-loop supply chain model with learning effect, random return and imperfect inspection under price-and quality-dependent demand M Masanta, BC Giri *Opsearch*, 1-22(2022)	0.416
38.	Coordination of a sustainable reverse supply chain with revenue sharing contract SK Dey, BC Giri *Journal of Industrial and Management Optimization* **18 (1),** 487-510 (2021)	1.411
39.	NN-TOPSIS strategy for MADM in neutrosophic number setting K Mondal, S Pramanik, BC Giri *Neutrosophic Sets and Systems* **47,** 66-92(2021)	0.236
40.	Coordinating a three-level supply chain with effort and price dependent stochastic demand under random yield B.C.Giri, J.K.Majhi, S.Bardhan, K.S.Chaudhuri *Annals of Operations Research* 307(1) (2021) DOI:10.1007/s10479-021-04257-z	4.82
41.	Optimizing price, quality and CSR investment under competing dual recycling channels in a sustainable closed-loop supply chain C Mondal, BC Giri *CIRP Journal of Manufacturing Science and Technology* **35,** 193-208(2021)	3.56
42.	Coordinating a closed-loop green supply chain for remanufactured product under competition C Mondal, BC Giri *Scientia Iranica* (2021) DOI:10.24200/SCI.2021.58167.5598	1.416
43.	Coordinating a Socially Responsible Supply Chain with Random Yield under CSR and Price Dependent Stochastic Demand JK Majhi, BC Giri, KS Chaudhuri *International Journal of Supply and Operations Management* **8 (2),** 194-211(2021)	1.18
44.	Analyzing a closed-loop sustainable supply chain with duopolistic retailers under different game structures SK Dey, BC Giri *CIRP Journal of Manufacturing Science and Technology* **33,** 222-233(2021)	3.56
45.	A two-echelon supply chain model with price and warranty dependent demand and pro-rata warranty policy under cost sharing contract B Samanta, BC Giri *Decision Making: Applications in Management and Engineering* **4 (2),** 47-75(2021)	13.93
46.	Effectiveness of consignment stock policy under space limitations and deterioration	9.018

	N Sen, S Bardhan, BC Giri *International Journal of Production Research* **59 (6),** 1834-1851(2021)	
47	Integrating corporate social responsibility in a closed-loop supply chain under government subsidy and used products collection strategies C Mondal, BC Giri, S Biswas *Flexible Services and Manufacturing Journal*, 1-36(2021)	2.7
48.	Extended PROMETHEE method with Pythagorean fuzzy sets for medical diagnosis problems MU Molla, BC Giri, P Biswas *Soft Computing* **25,** 4503-4512(2021)	3.732
49.	A vendor–buyer supply chain model with imperfect production under time, price and product reliability dependent demand B Samanta, A Giri, BC Giri, K Chaudhuri *Dependent Demand*. **8 (10),** 33-57(2021)	-
50.	Optimal production time and preservation technology investment for seasonal deteriorating products with a generalised ramp-type demand H Pal, S Bardhan, BC Giri *International Journal of Mathematics in Operational Research* **20 (1),** 123-148(2021)	0.461
51.	Consignment stock policy in an integrated vendor-buyer model for deteriorating item with stock dependent demand under buyer's space limitation N Sen, S Bardhan, BC Giri *RAIRO-Operations Research* **55,** S1425-S1446(2021)	1.8
52.	Coordination mechanisms of a three-layer supply chain under demand and supply risk uncertainties BC Giri, JK Majhi, K Chaudhuri *RAIRO-Operations Research* **55,** S2593-S2617(2021)	1.8
53.	Consignment stock policy in a closed-loop supply chain A Chakraborty, T Maiti, BC Giri *RAIRO-Operations Research* **55,** S1913-S1934(2021)	1.8
54.	Optimal ordering policy in a two-echelon supply chain model with variable backorder and demand uncertainty S Sarkar, BC Giri *RAIRO-Operations Research* **55,** S673-S698(2021)	1.8
55.	A single-manufacturer multi-retailer integrated inventory model with price dependent demand and stochastic lead time BC Giri, A Dash, A Sarkar *International Journal of Supply and Operations Management* **7 (4),** 384-409(2020)	1.18
56.	A hybrid heuristic algorithm for cyclic inventory-routing problem with perishable products in VMI supply chain Z Dai, K Gao, BC Giri *Expert Systems with Applications* **153,** 113322(2020)	1.854

57.	Pricing and greening strategies for a dual-channel closed-loop green supply chain C.Mondal, B.C.Giri, T.Maiti *Flexible Services and Manufacturing Journal* 32(3) (2020) DOI:10.1007/s10696-019-09355-6	2.7
58.	Channel coordination with price discount mechanism under price-sensitive market demand S Sarkar, S Tiwari, HM Wee, BC Giri *International Transactions in Operational Research* **27 (5),** 2509-2533(2020)	2.4
59.	Pricing and used product collection strategies in a two-period closed-loop supply chain under greening level and effort dependent demand C Mondal, BC Giri *Journal of cleaner production* **265,** 121335(2020)	11.072
60.	A vendor–buyer inventory model with lot-size and production rate dependent lead time under time value of money S Sarkar, BC Giri, AK Sarkar *RAIRO-Operations Research* **54 (4)**, 961-979(2020)	1.8
61.	Developing a closed-loop supply chain model with price and quality dependent demand and learning in production in a stochastic environment BC Giri, M Masanta, *International Journal of Systems Science: Operations & Logistics* **7 (2),** 147-163(2020)	9.04
62.	Stochastic supply chain model with imperfect production and controllable defective rate S Sarkar, BC Giri *International journal of systems science: operations & logistics* **7 (2),** 133-146(2020)	9.04
63.	Optimal decisions on pricing and greening policies of multiple manufacturers under governmental regulations on greening and carbon emission M De, BC Giri *Decision Making: Applications in Management and Engineering* **3 (1),** 43-59(2020)	13.93
64.	Game theoretic models for a closed-loop supply chain with stochastic demand and backup supplier under dual channel recycling BC Giri, S Dey *Decision Making: Applications in Management and Engineering* **3 (1),** 108-125(2020)	13.93
65.	A vendor–buyer integrated inventory system with variable lead time and uncertain market demand S.Sarkar, B.C.Giri *Operational Research* 20(1) (2020) DOI:10.1007/s12351-018-0418-x	2.708
66.	TOPSIS method for neutrosophic hesitant fuzzy multi-attribute decision making BC Giri, MU Molla, P Biswas *Informatica* **31 (1),** 35-63(2020)	3.429
67.	A single-vendor single-buyer supply chain model with price and green sensitive demand under batch shipment policy and planned backorder BC Giri, A Dash, AK Sarkar *International Journal of Procurement Management* **13 (3),** 299-321(2020)	0.353
68.	A vendor-buyer supply chain model for deteriorating item with quadratic time-varying demand and pro-rata warranty policy	-

B Samanta, Bibhas C Giri, KS Chaudhuri
Mathematical Analysis and Applications in Modeling: ICMAAM 2018, Kolkata, India, January 9–12 371-383(2020)

69. Optimal Pricing Strategy in a Two-Echelon Supply Chain with Admissible Advanced and Delayed Payments - BC Giri, R Bhattacharjee, T Maiti
Mathematical Analysis and Applications in Modeling: ICMAAM 2018, Kolkata, India, January 9–12 293-306(2020)

70. Some similarity measures for MADM under a complex neutrosophic set environment - K Mondal, S Pramanik, BC Giri
Optimization theory based on neutrosophic and plithogenic sets, 87-116(2020)

71. Modelling a closed-loop supply chain with a heterogeneous fleet under carbon emission reduction policy 10.047 M De, BC Giri
Transportation research part e: logistics and transportation review **133,** 101813(2020)

72. A three-echelon supply chain model with price and two-level quality dependent demand 1.8 B Roy, BC Giri
RAIRO-Operations Research **54 (1),** 37-52(2020)

73. Optimal Pricing Strategy in a Two-Echelon Supply Chain with Admissible Advanced and Delayed Payments - B.C.Giri, R.Bhattacharjee,T.Maiti In book: Mathematical Analysis and Applications in Modeling (pp.293-306) (2020)
DOI:10.1007/978-981-15-0422-8_25

74. A Vendor-Buyer Supply Chain Model for Deteriorating Item with Quadratic Time-Varying Demand and Pro-rata Warranty Policy - B.Samanta, B.C.Giri, K.S.Chaudhuri, In book: Mathematical Analysis and Applications in Modeling (pp.371-383) (2020)
DOI:10.1007/978-981-15-0422-8_31

75. Optimal production policy for a closed-loop supply chain with stochastic lead time and learning in production 1.416 B.C.Giri, M.Masanta *Scientia Iranica* 26(5):2936-2951(2020)
DOI:10.24200/sci.2019.21537

76. An integrated vendor–buyer model with stochastic demand, lot-size dependent lead-time and learning in production 3.15 A Mukherjee, O Dey, BC Giri
Journal of Industrial Engineering International **15,** 165-178(2019)

77. Optimal production policy for a closed-loop supply chain with stochastic lead time and learning in production 1.416 BC Giri, M Masanta
Scientia Iranica **26 (5),** 2936-2951(2019)

78. Coordinating a multi-echelon supply chain under production disruption and price-sensitive stochastic demand. 1.411
BC Giri, BR Sarker
Journal of Industrial & Management Optimization **15 (4)** (2019)

79. NonLinear programming approach for single-valued neutrosophic TOPSIS method 0.302
P Biswas, S Pramanik, BC Giri
New Mathematics and Natural Computation **15 (02),** 307-326(2019)

80. Optimal replenishment policy and preservation technology investment for a non-instantaneous deteriorating item with stock-dependent demand 2.708
S Bardhan, H Pal, BC Giri
Operational Research **19**, 347-368(2019)

81. A new approach to deal with learning in inspection in an integrated vendor-buyer model with imperfect production process 7.18
O Dey, BC Giri
Computers & Industrial Engineering **131,** 515-523(2019)

82. Optimising an integrated production–inventory system under cash discount and retailer partial trade credit policy 9.04
BC Giri, S Sharma
International Journal of Systems Science: Operations & Logistics **6 (2),** 99-118(2019)

83. Optimal product quality and pricing strategy for a two-period closed-loop supply chain with retailer variable markup 1.7
T.Maiti, B.C.Giri, C.Mondal *RAIRO - Operations Research* 53(2) (2019)
DOI:10.1051/ro/2017061

84. Game theoretic analysis of a closed-loop supply chain with backup supplier under dual channel recycling 7.18
BC Giri, SK Dey
Computers & Industrial Engineering **129,** 179-191(2019)

85. A two-warehouse integrated inventory model with imperfect production process under stock-dependent demand and quantity discount offer 9.04
P Mandal, BC Giri
International Journal of Systems Science: Operations & Logistics **6 (1),** 15-26(2019)

86. NH-MADM strategy in neutrosophic hesitant fuzzy set environment based on extended GRA 3.429
P Biswas, S Pramanik, BC Giri
Informatica **30 (2),** 213-242(2019)

87. A single-vendor single-buyer integrated model for deteriorating items with partial backlogging and price-dependent market demand 1.3
S Biswas, BC Giri
International Journal of Applied Engineering Research **14 (1),** 254-261(2019)

88. Neutrosophic TOPSIS with group decision making -
P Biswas, S Pramanik, BC Giri

Fuzzy multi-criteria decision-making using neutrosophic sets, 543-585(2019)

89. Channel coordination with price discount mechanism under price-sensitive market demand — 3.61
S.Sarkar, S.Tiwari, H.M.Wee, , B.C.Giri *International Transactions in Operational Research* 27(3) (2019)
DOI:10.1111/itor.12678

90. An integrated imperfect production–inventory model with optimal vendor investment and backorder price discount — -
A Mukherjee, O Dey, BC Giri
Information Technology and Applied Mathematics: ICITAM 2017, 187-203

91. Rough neutrosophic aggregation operators for multi-criteria decision-making — -
K Mondal, S Pramanik, BC Giri
Fuzzy Multi-criteria Decision-Making Using Neutrosophic Sets, 79-105 (2018)

92. TOPSIS method for MADM based on interval trapezoidal neutrosophic number — 0.236
BC Giri, MU Molla, P Biswas
Neutrosophic Sets and Systems **22**, 151-167(2018)

93. Optimal payment time in a two-echelon supply chain with price-dependent demand under trade credit financing — 9.04
BC Giri, R Bhattacharjee, T Maiti
International Journal of Systems Science: Operations & Logistics 5 (4), 374-392(2018)

94. Analysing a closed-loop supply chain with selling price, warranty period and green sensitive consumer demand under revenue sharing contract — 11.072
B.C.Giri , C.Mondal, T.Maiti *Journal of Cleaner Production* 190 (2018)
DOI:10.1016/j.jclepro.2018.04.092

95. Optimal replenishment policy for non-instantaneously perishable items with preservation technology and random deterioration start time — 0.783
International Journal of Management Science and Engineering Management 13(3) 188-199(2018)

96. Hybrid binary logarithm similarity measure for MAGDM problems under SVNS assessments — 0.236
K Mondal, S Pramanik, BC Giri
Neutrosophic Sets and Systems **20 (1),** 12-25 (2018)

97. Single valued neutrosophic hyperbolic sine similarity measure based MADM strategy — 0.236
K Mondal, S Pramanik, BC Giri
Neutrosophic Sets and Systems **20,** 3-11(2018)

98. Distance measure based MADM strategy with interval trapezoidal neutrosophic numbers — 0.236
P Biswas, S Pramanik, BC Giri
Neutrosophic Sets and Systems **19,** 40-46(2018)

99. TOPSIS strategy for multi-attribute decision making with trapezoidal neutrosophic numbers — 0.236
P Biswas, S Pramanik, BC Giri

Neutrosophic Sets and Systems 19, 29-39(2018)

100.	NN-Harmonic mean aggregation operators-based MCGDM strategy in a neutrosophic number environment K Mondal, S Pramanik, BC Giri, F Smarandache *Axioms* **7 (1),** 12(2018)	1.824
101.	The creation of three logical connectors to reapprove how comprehensive and effective the Neutrosophic logic is compared to the fuzzy logic and the classical logic K Mondal, S Pramanik, BC Giri *Neutrosophic Sets and Systems* **20 (1),** 3(2018)	0.236
102.	On Neutrosophic Soft Topological Space K Mondal, S Pramanik, BC Giri *Neutrosophic Sets and Systems* **20 (1),** 2(2018)	0.236
103.	An optimal policy for an integrated vendor-buyer model with two warehouses under vendor's capacity constraint R Bhattacharjee, BC Giri, A Chakraborty *International Journal of Inventory Research* **5 (1),** 13-28(2018)	0.4
104.	Hybrid vector similarity measure of single valued refined neutrosophic sets to multi-attribute decision making problems S Pramanik, PP Dey, BC Giri Infinite Study (2018)	-
105.	Interval neutrosophic tangent similarity measure based MADM strategy and its application to MADM problems K Mondal, S Pramanik, BC Giri Infinite Study(2018)	-
106.	Multi-criteria group decision making based on linguistic refined neutrosophic strategy K Mondal, S Pramanik, BC Giri Infinite Study (2018)	-
107.	A closed-loop supply chain with stochastic product returns and worker experience under learning and forgetting BC Giri, CH Glock *International Journal of Production Research* **55 (22),** 6760-6778(2017)	9.018
108.	Sub-supply chain coordination in a three-layer chain under demand uncertainty and random yield in production BC Giri, S Bardhan *International Journal of Production Economics* **191,** 66-73(2017)	11.251
109.	Fuzzy Eoq Model For Deteriorating Items With Time-Varying Demand And Backlogging Option U Sarkar, A.K.Jalan, B.C. Giri *Journal of Global Economics, Management and Business Research*, **78**-91(2017)	4.48
110.	Integrated model for an imperfect production-inventory system with a generalised shipment policy, errors in quality inspection and ordering cost reduction BC Giri, S Sharma *International Journal of Systems Science: Operations & Logistics* **4 (3),** 260-274(2017)	9.04

111. Consignment stock policy with unequal shipments and process unreliability for a two-level supply chain — 9.018
BC Giri, A Chakraborty, T Maiti
International Journal of Production Research **55 (9),** 2489-2505 (2017)

112. Hybrid vector similarity measures and their applications to multi-attribute decision making under neutrosophic environment — 6.0
S Pramanik, P Biswas, BC Giri
Neural computing and Applications **28,** 1163-1176(2017)

113. Coordinating a vendor–buyer supply chain with stochastic demand and uncertain yield — 0.783
BC Giri, A Chakraborty
International Journal of Management Science and Engineering Management **12(2)** 96-103(2017)

114. Effectiveness of consignment stock policy in a three-level supply chain — 2.708
BC Giri, A Chakraborty, T Maiti
Operational Research **17,** 39-66(2017)

115. Multi-manufacturer pricing and quality management strategies in the presence of brand differentiation and return policy — 7.18
B.C.Giri, B.Roy, T.Maiti *Computers & Industrial Engineering* 105(2017)
DOI:10.1016/j.cie.2017.01.003

116. GRA for multi attribute decision making in neutrosophic cubic set environment — 0.236
D Banerjee, BC Giri, S Pramanik, F Smarandache
Neutrosophic Sets and Systems **15,** 60-69(2017)

117. Two-period pricing and decision strategies in a two-echelon supply chain under price-dependent demand — 5.336
T Maiti, BC Giri
Applied Mathematical Modelling **42,** 655-674(2017)

118. Multi-attribute group decision making based on expected value of neutrosophic trapezoidal numbers — -
P Biswas, S Pramanik, BC Giri
Infinite Study(2017)

119. An extended TOPSIS for multi-attribute decision making problems with neutrosophic cubic information — -
S Pramanik, PP Dey, BC Giri, F Smarandache
Infin. Study(2017)

120. A vendor-buyer supply chain model for time-dependent deteriorating item with preservation technology investment — 0.461
BC Giri, H Pal, T Maiti
International Journal of Mathematics in Operational Research **10 (4),** 431-449(2017)

121. Bipolar neutrosophic projection based models for solving multi-attribute decision making problems — -
S Pramanik, PP Dey, BC Giri, F Smarandache
Infinite Study 6, 66(2017)

122.	Pricing and return product collection decisions in a closed-loop supply chain with dual-channel in both forward and reverse logistics BC Giri, A Chakraborty, T Maiti *Journal of manufacturing systems* 42, 104-123(2017)	9.498
123.	Two-way product recovery in a closed-loop supply chain with variable markup under price and quality dependent demand T Maiti, BC Giri *International Journal of Production Economics* **183,** 259-272(2017)	11.251
124.	Improving performance by coordinating a supply chain with third party logistics outsourcing under production disruption BC Giri, BR Sarker *Computers & Industrial Engineering* **103,** 168-177(2017)	7.18
125.	Role of neutrosophic logic in data mining K Mondal, S Pramanik, BC Giri *New Trends in Neutrosophic Theory and Application. Pons Editions, Brussels* 15-23(2016)	-
126.	Some distance measures of single valued neutrosophic hesitant fuzzy sets and their applications to multiple attribute decision making P Biswas, S Pramanik, BC Giri *New trends in neutrosophic theory and applications,* 55-63(2016)	-
127.	GRA method of multiple attribute decision making with single valued neutrosophic hesitant fuzzy set information P Biswas, S Pramanik, BC Giri *New trends in neutrosophic theory and applications*, 55-63(2016)	-
128.	Extended projection based models for solving multiple attribute decision making problems with interval valued neutrosophic information PP Dey, S Pramanik, BC Giri *New trends in neutrosophic theory and applications*, 127-140(2016)	-
129.	TOPSIS for solving multi-attribute decision making problems under bi-polar neutrosophic environment PP Dey, S Pramanik, BC Giri *New trends in neutrosophic theory and applications*, 65-77(2016)	-
130.	Economic Order Quantity Model with Ramp Type Demand Rate, Constant Deterioration Rate and Unit Production Cost P Manna, SK Manna, BC Giri *Yugoslav Journal of Operations Research* **26 (3)** (2016)	0.26
131.	Dual-channel competition: The impact of pricing strategies, sales effort and market share BC Giri, B Roy *International Journal of Management Science and Engineering Management* 11(4) 203-212(2016)	0.783
132.	Modelling supply chain inventory system with controllable lead time under price-dependent demand BC Giri, B Roy *The International Journal of Advanced Manufacturing Technology* 84, 1861-1871(2016)	3.4

133. Value and ambiguity index based ranking method of single-valued trapezoidal neutrosophic numbers and its application to multi-attribute decision making — 0.236
P Biswas, S Pramanik, BC Giri
Neutrosophic Sets and Systems **12 (July),** 127-138(2016)

134. Aggregation of triangular fuzzy neutrosophic set information and its application to multi-attribute decision making — 0.236
P Biswas, S Pramanik, BC Giri
Neutrosophic sets and systems **12,** 20-40(2016)

135. Optimal strategy for a manufacturer-retailer inventory system with defective items under retailer partial trade credit policy — 1.4
BC Giri, S Sharma
Journal of Information and Optimization Sciences **37 (3),** 343-387(2016)

136. Coordinating a three-layer supply chain with uncertain demand and random yield — 9.018
BC Giri, S Bardhan, T Maiti
International Journal of Production Research **54 (8),** 2499-2518(2016)

137. Trade credit competition between two manufacturers in a two-echelon supply chain under credit-linked retail price and market demand — 9.04
BC Giri, A Chakraborty, T Maiti
International Journal of Systems Science: Operations & Logistics **3 (2),** 102-113(2016)

138. Optimal ordering policy for an inventory system with linearly increasing demand and allowable shortages under two levels trade credit financing — 2.708
BC Giri, S Sharma
Operational Research **16,** 25-50(2016)

139. Coordinating a two-echelon supply chain under production disruption when retailers compete with price and service level — 2.708
BC Giri, BR Sarker
Operational Research **16**, 71-88(2016)

140. An extended grey relational analysis based multiple attribute decision making in interval neutrosophic uncertain linguistic setting — 0.236
PP Dey, S Pramanik, BC Giri
Neutrosophic Sets and Systems **11,** 21-30(2016)

141. TOPSIS method for multi-attribute group decision-making under single-valued neutrosophic environment — 6.0
P Biswas, S Pramanik, BC Giri
Neural computing and Applications **27**, 727-737(2016)

142. Neutrosophic soft multi-attribute decision making based on grey relational projection method — 0.236
PP Dey, S Pramanik, BC Giri
Neutrosophic Sets and Systems **11,** 98-106(2016)

143. Optimal production policy for a closed-loop hybrid system with uncertain demand and return under supply disruption — 11.072
BC Giri, S Sharma

Journal of Cleaner Production **112,** 2015-2028(2016)

144. Multi–criteria group decision making model in neutrosophic refined set and its application - S Pramanik, D Banerjee, BC Giri Infinite Study(2016)

145. Risk-Averse Newsboy Problem with Incomplete Demand Information: Risk-Averse Newsboy Problem - BC Giri *Analyzing Risk through Probabilistic Modeling in Operations Research*, 344-353(2016)

146. A fuzzy random continuous review inventory model with a mixture of backorders and lost sales under imprecise chance constraint 0.374 O Dey, BC Giri, D Chakraborty *International Journal of Operational Research* **26 (1),** 34-51(2016)

147. Coordinating a two-echelon supply chain with price and inventory level dependent demand, time dependent holding cost, and partial backlogging 0.461 BC Giri, S Bardhan *International Journal of Mathematics in Operational Research* **8** (4), 406-423(2016)

148. TOPSIS approach for multi attribute group decision making in refined neutrosophic environment - S PRAMANIK, D BANERJEE, BC Giri Infinite Study(2016)

149. Generalized neutrosophic soft multi-attribute group decision making based on TOPSIS 0.16 PP Dey, S Pramanik, BC Giri *Critical Review* **11**, 41-55(2015)

150. Multi-criteria group decision making in intuitionistic fuzzy environment based on grey relational analysis for weaver selection in Khadi institution - PP Dey, S Pramanik, BC Giri *Journal of Applied and Quantitative Methods* **10 (4),** 1-14(2015)

151. A single-manufacturer multi-buyer supply chain inventory model with controllable lead time and price-sensitive demand 0.533 BC Giri, B Roy *Journal of Industrial and Production Engineering* **32 (8),** 516-527(2015)

152 Coordinating a two-echelon supply chain with environmentally aware consumers 0.783 B.C.Giri, S. Bardhan *International Journal of Management Science and Engineering Management* 11(3): 1-8 (2015) DOI:10.1080/17509653.2015.1004203

153. TOPSIS for single valued neutrosophic soft expert set based multi-attribute decision making problems 0.236 S Pramanik, PP Dey, BC Giri *Neutrosophic Sets and Systems* **10,** 88-95(2015)

154. A closed loop supply chain under retail price and product quality dependent demand 9.498

T Maiti, BC Giri
Journal of Manufacturing Systems **37,** 624-637(2015)

155.	Coordinating a supply chain under uncertain demand and random yield in presence of supply disruption BC Giri, S Bardhan *International Journal of Production Research* **53 (16),** 5070-5084(2015)	9.018
156.	An integrated inventory model for a deteriorating item with allowable shortages and credit linked wholesale price BC Giri, S Sharma *Optimization Letters* **9**, 1149-1175(2015)	1.529
157.	Optimal Pricing and Order-Up-To S Inventory Policy with expected Utility of the Present Value Criterion BC Giri *The Engineering Economist* **60 (3),** 231-244(2015)	1.16
158.	Quality and pricing decisions in a two-echelon supply chain under multi-manufacturer competition BC Giri, A Chakraborty, T Maiti *The International Journal of Advanced Manufacturing Technology* **78,** 1927-1941(2015)	3.4
159.	A vendor–buyer JELS model with stock-dependent demand and consigned inventory under buyer's space constraint BC Giri, S Bardhan *Operational Research* **15,** 79-93(2015)	2.708
160.	Optimizing a closed-loop supply chain with manufacturing defects and quality dependent return rate BC Giri, S Sharma *Journal of Manufacturing Systems* **35,** 92-111(2015)	9.498
161.	Cosine similarity measure based multi-attribute decision-making with trapezoidal fuzzy neutrosophic numbers P Biswas, S Pramanik, BC Giri *Neutrosophic sets and systems* **8,** 46-56(2015)	0.236
162.	An extended grey relational analysis based interval neutrosophic multi attribute decision making for weaver selection PP Dey, S Pramanik, BC Giri *Journal of New Theory*, 82-93(2015)	3.638
163.	A single-vendor multi-buyer integrated model with controllable lead time and quality improvement through reduction in defective items P Mandal, BC Giri *International Journal of Systems Science: Operations & Logistics* **2 (1),** 1-14(2015)	9.04
164.	Multi-objective chance constrained transportation problem with fuzzy parameters S Pramanik, D Banerjee, BC Giri *Global Journal of Advanced Research* **2 (1),** 49-63(2015)	1.517

165. Coordinating a two-echelon supply chain with price and promotional effort dependent demand — 0.374
BC Giri, S Bardhan, T Maiti
International Journal of Operational Research **23 (2),** 181-199(2015)

166. Chance Constrained Multi-Level Linear Programming Problem — 0.381
S Pramanik, D Banerjee, BC Giri
International Journal of Computer Applications **120** (18) (2015)

167. Two-echelon inventory optimization for imperfect production system under quality competition environment — -
X Lai, Z Chen, BC Giri, CH Chiu
Mathematical Problems in Engineering (2015)

168. A single–vendor multi–buyer integrated model with stock–and price–dependent demand under consignment stock policy — 0.318
P Mandal, BC Giri
International Journal of Services and Operations Management **20 (2),** 228-245(2015)

169. A vendor-buyer integrated inventory system with vendor's capacity constraint — 1.27
BC Giri, R Bhattacharjee, A Chakraborty
International Journal of Logistics Systems and Management **21 (3),** 284-303(2015)

170. TOPSIS approach to linear fractional bi-level MODM problem based on fuzzy goal programming — 2.43
PP Dey, S Pramanik, BC Giri
Journal of Industrial Engineering International **10,** 173-184(2014)

171. Note on "Coordinating the ordering and advertising policies for a single-period commodity in a two-level supply chain" — 7.18
BC Giri, S Bardhan
Computers & Industrial Engineering **77,** 11-14(2014)

172. Coordinating a supply chain with backup supplier through buyback contract under supply disruption and uncertain demand — 9.04
BC Giri, S Bardhan
International Journal of Systems Science: Operations & Logistics **1 (4),** 193-204(2014)

173. Trade credit competition between two retailers in a supply chain under credit-linked retail price and market demand — 1.529
BC Giri, T Maiti
Optimization Letters **8,** 2065-2085(2014)

174. Optimal vendor investment for reducing defect rate in a vendor–buyer integrated system with imperfect production process — 11.251
O Dey, BC Giri
International journal of production economics **155,** 222-228(2014)

175. A new methodology for neutrosophic multi-attribute decision making with unknown weight information — 0.236
P Biswas, S Pramanik, BC Giri

Neutrosophic Sets and Systems **3,** 42-52(2014)

176. Profit improvement through retailer–stackelberg in a multi-echelon supply chain of deteriorating product with price-sensitive demand — 0.533
BC Giri, T Maiti
Journal of Industrial and Production Engineering **31 (4),** 187-198(2014)

177. Lot sizing and unequal-sized shipment policy for an integrated production-inventory system — 2.648
BC Giri, S Sharma
International Journal of Systems Science **45 (5),** 888-901(2014)

178. Entropy based grey relational analysis method for multi-attribute decision making under single valued neutrosophic assessments — 0.236
P Biswas, S Pramanik, BC Giri
Neutrosophic Sets and Systems **2 (1),** 102-110(2014)

179. Service competition in a supply chain with two retailers under service level sensitive retail price and demand — 0.783
BC Giri, T Maiti
International Journal of Management Science and Engineering Management **9(2)** 133-146(2014)

180. Lot sizing in a deteriorating production system under inspections, imperfect maintenance and reworks — 2.708
T Chakraborty, BC Giri
Operational Research **14,** 29-50(2014)

181. Manufacturer's pricing strategy in a two-level supply chain with competing retailers and advertising cost dependent demand — 3.875
BC Giri, S Sharma
Economic modelling **38,** 102-111(2014)

182. Manufacturer's pricing strategies in cooperative and non-cooperative advertising supply chain under retail competition — 3.271
B Giri, S Sharma
International Journal of Industrial Engineering Computations **5 (3),** 475-496(2014)

183. Risk and Risk Aversion in Supply Chain Management — -
BC Giri
Encyclopedia of Business Analytics and Optimization, 2081-2092(2014)

184. Variational problems and l1 exact exponential penalty function with (p, r)-ρ-(η, θ)-invexity — -
P Mandal, BC Giri, C Nahak
Advanced Modeling and Optimization **16,** 243-259(2014)

185. Multi-manufacturer single-retailer supply chain model under price-and warranty period-dependent demand — 0.461
BC Giri, T Maiti
International Journal of Mathematics in Operational Research **6 (5),** 631-654(2014)

186.	Coordinating a two-echelon supply chain through different contracts under price and promotional effort-dependent demand BC Giri, S Bardhan, T Maiti *Journal of Systems Science and Systems Engineering* **22 (3),** 295-318(2013)	1.6
187.	Joint effect of stock threshold level and production policy on an unreliable production environment T Chakraborty, SS Chauhan, BC Giri *Applied Mathematical Modelling* **37 (10-11),** 6593-6608(2013)	5.336
188.	Supply chain model with price-and trade credit-sensitive demand under two-level permissible delay in payments BC Giri, T Maiti *International Journal of Systems Science* **44 (5),** 937-948(2013)	2.648
189.	A fuzzy goal programming algorithm for solving bi-level multi-objective linear fractional programming problems PP Dey, S Pramanik, BC Giri *INTERNATIONAL JOURNAL OF MATHEMATICAL ARCHIVE (IJMA)* **4 (8),** 154-161(2013)	5.747
190.	A vendor–buyer integrated production-inventory model with quantity discount and unequal sized shipments BC Giri, B Roy *International Journal of Operational Research* **16 (1),** 1-13(2013)	0.374
191.	Supply chain coordination for a deteriorating item with stock and price-dependent demand under revenue sharing contract BC Giri, S Bardhan *International Transactions in Operational Research* **19 (5),** 753-768(2012)	2.4
192.	Note on effects of joint replenishment and channel coordination for managing multiple deteriorating products in a supply chain BC Giri, T Maiti *Journal of the Operational Research Society* **63 (6),** 861-864(2012)	3.051
193.	Supply chain model for a deteriorating product with time-varying demand and production rate BC Giri, T Maiti *Journal of the Operational Research Society* **63,** 665-673(2012)	3.051
194.	Joint determination of optimal safety stocks and production policy for an imperfect production system T Chakraborty, BC Giri *Applied Mathematical Modelling* **36 (2),** 712-722(2012)	5.336
195.	Quantifying the risk in age and block replacement policies 840: Y BC Giri, T Dohi *Quality Control and Applied Statistics* **57 (1),** 137(2012)	1.416
196.	Service Rate Improvement for a Three-Echelon Supply Chain System BR Sarker, R Rochanaluk, BC Giri *IIE Annual Conference. Proceedings* 1(2012)	-

196. GRA for Multi Attribute Decision Making in Neutrosophic Cubic Set Environment 0.236
D Banerjee, BC Giri, S Pramanik, F Smarandache
Neutrosophic Sets and Systems **12**, 59(2012)

197. An optimal policy for a single-vendor single-buyer integrated inventory system based on vendor's strategy of shipments to buyer 0.318
BC Giri, R Bhattacharjee
International Journal of Services and Operations Management **13 (2),** 267-278(2012)

198. An integrated multi-supplier, multi-buyer and dual vendors inventory model with stochastic demand 0.318
BC Giri, A Chakraborty
International Journal of Services and Operations Management **13 (2),** 208-225(2012)

199. Chance constrained linear plus linear fractional bi-level programming problem 0.381
S Pramanik, D Banerjee, BC Giri
International Journal of Computer Applications **56 (16)** (2012)

200. Coordinating a two-echelon supply chain under inflation and time value of money 3271.
BC Giri, S Bardhan
International Journal of Industrial Engineering Computations **2 (4),** 811-818(2011)

201. Fuzzy goal programming approach to quadratic bi-level multi-objective programming problem 0.381
S Pramanik, PP Dey, BC Giri
International Journal of Computer Applications **29 (6),** 9-14(2011)

202. Managing inventory with two suppliers under yield uncertainty and risk aversion 11.251
BC Giri
International Journal of Production Economics **133 (1),** 80-85(2011)

203. 2-E-2 A Delay-time-based Unreliable Economic Manufacturing Model with Minimal Repairs -
BC GIRI, T DOHI
日本オペレーションズ・リサーチ学会春季研究発表会アブストラクト集
2011, 212-213 (2011)

204. Supply chain coordination with price-sensitive demand under risks of demand and supply disruptions 6.72
BC Giri, B Roy
Technology Operation Management **2,** 29-38(2011)

205. Supply chain coordination for a deteriorating product under stock-dependent consumption rate and unreliable production process 3.271
A Chakraborty, B Giri
*International Journal of Industrial Engineering Computation*s **2 (2),** 263-272(2011)

206. Fuzzy production planning models for an unreliable production system with fuzzy production rate and stochastic/fuzzy demand rate 3.271
K Halim, B Giri, K Chaudhuri
International Journal of Industrial Engineering Computations **2 (1),** 179-192(2011)

207.	Multi-objective linear plus linear fractional programming problem based on Taylor series approximation S Pramanik, PP Dey, BC Giri *International Journal of Computer Applications* **32 (8),** 61-68(2011)	0.381
208.	Stability of limit cycle in a prey-predator system with pollutant A Sen, D Mukherjee, BC Giri, P Das *Appl. Math. Sci* **5 (21),** 1025-1036(2011)	0.258
209.	Quantifying the risk in age and block replacement policies BC Giri, T Dohi *Journal of the Operational Research Society* **61,** 1151-1158(2010)	3.051
210.	Lot sizing in an unreliable manufacturing system with fuzzy demand and repair time KA Halim, BC Giri, KS Chaudhuri *International Journal of Industrial and Systems Engineering* **5 (4),** 485-500(2010)	0.277
211.	Cost-effective ordering policies for inventory systems with emergency order BC Giri, T Dohi *Computers & Industrial Engineering* **57 (4),** 1336-1341(2009)	7.18
212.	Production lot sizing with process deterioration and machine breakdown under inspection schedule T Chakraborty, BC Giri, KS Chaudhuri *Omega* **37 (2),** 257-271(2009)	8.673
213.	Production lot sizing with process deterioration and machine breakdown under inspection schedule Ed: 150 T Chakraborty, BC Giri, KS Chaudhuri *Operations Research Management Science* **49 (4),** 365(2009)	-
214.	Fuzzy EPQ models for an imperfect production system KA Halim, BC Giri, KS Chaudhuri *International Journal of Systems Science* **40 (1),** 45-52(2009)	2.648
215.	Production lot sizing with process deterioration and machine breakdown T Chakraborty, BC Giri, KS Chaudhuri *European Journal of Operational Research* **185 (2),** 606-618(2008)	6.363
216.	Determining economic manufacturing quantity for an unreliable manufacturing system in discrete time setting BC Giri, T Dohi *International Journal of Operational Research* **3 (5),** 557-574(2008)	0.374
217.	Fuzzy economic order quantity model for perishable items with stochastic demand, partial backlogging and fuzzy deterioration rate KA Halim, BC Giri, KS Chaudhuri *International Journal of Operational Research* **3 (1-2),** 77-96(2008)	0.374
218.	Optimal production, maintenance, and warranty strategies for item sold with rebate combination warranty BC Giri, T Chakraborty *Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability* **221(4)** 257-264(2007)	2.021

219. Inspection scheduling for imperfect production processes under free repair warranty contract — 6.363
BC Giri, T Dohi
European Journal of Operational Research **183 (1),** 238-252(2007)

220. Optimal batch production strategies under continuous price decrease and time discounting — 0.26
S Mandal, BC Giri, KS Chaudhuri
Yugoslav Journal of Operations Research **17 (2),** 165-175(2007)

221. Discrete-time spare ordering policy with randomized lead times and discounting — 2.4
BC Giri, T Dohi, N Kaio
International Transactions in Operational Research **13 (6),** 561-576(2006)

222. Cost-effective production policy for a stochastic unreliable manufacturing system — 1.6
BC Giri, T Dohi
IMA Journal of Management Mathematics **17 (3),** 209-223(2006)

223. Discrete-time economic manufacturing quantity model with stochastic machine breakdown and repair — -
BC Giri, T Dohi
Reliability Modeling, Analysis And Optimization **9,** 81(2006)

224. Optimal Lot Sizing Policy for an Unreliable Manufacturing System Under Cost-Effectiveness Criterion — 0.861
BC Giri, T Dohi
Asia Pacific Management Review **11 (3)** (2006)

225. Optimal Production Run-Length And Warranty Period For Items Sold With Rebate Combination Warranty — -
BC Giri, T Chakraborty
Advanced Reliability Modeling II: Reliability Testing and Improvement, 369-376(2006)

226. OPTIMAL INSPECTION SCHEDULE IN AN IMPERFECT EMQ MODEL WITH FREE REPAIR WARRANTY POLICY (< Special Issue> Advanced Planning and Scheduling for Supply Chain Management) — 2.86
BC Giri, T Dohi
Journal of the Operations Research Society of Japan **49 (3),** 222-237(2006)

227. Erratum to:"Economic order quantity models for ameliorating/deteriorating items under inflation and time discounting" — 6.363
I Moon, BC Giri, B Ko
European Journal of Operational Research **2 (174),** 1345-1347(2006)

228. Computational aspects of an extended EMQ model with variable production rate — 5.159
BC Giri, T Dohi
Computers & operations research **32 (12),** 3143-3161(2005)

229. Comment on Bose S, Goswami A and Chaudhuri KS (1995). An EOQ model for deteriorating items with linear time-dependent demand rate and shortages under inflation and time … — 3.051
BC Giri

Journal Of The Operational Research Society **56 (11),** 1333-1333(2005)

230. A discrete-time order-replacement model with time discounting and spare part provisioning — 0.375
BC Giri, T Dohi, N Kaio
Journal of Quality in Maintenance Engineering **11 (3),** 190-205(2005)

231. Inspection Scheduling for Imperfect Production Processes — -
BC Giri,, T Dohi
Proceedings of the ISCIE International Symposium on Stochastic Systems Theory and its Applications **2005** 246-251(2005)

232. Exact formulation of stochastic EMQ model for an unreliable production system — 3.051
BC Giri, T Dohi
Journal of the Operational Research Society **56 (5),** 563-575(2005)

233. Economic order quantity models for ameliorating/deteriorating items under inflation and time discounting — 6.363
I Moon, BC Giri, B Ko
European Journal of Operational Research **162 (3),** 773-785(2005)

234. Optimal design of unreliable production–inventory systems with variable production rate — 6.363
BC Giri, WY Yun, T Dohi
European Journal of Operational Research **162 (2),** 372-386(2005)

235. An economic production lot size model with increasing demand, shortages and partial backlogging — 2.4
BC Giri, AK Jalan, KS Chaudhuri
International Transactions in Operational Research **12 (2),** 235-245(2005)

236. Optimal lot sizing for an unreliable production system under partial backlogging and at most two failures in a production cycle — 11.251
BC Giri, WY Yun
International Journal of Production Economics **95 (2),** 229-243(2005)

237. Optimal Planning For Failure-Prone Manufacturing Systems: A Discrete Nonlinear Optimization Approach (Decision Theory and Optimization Algorithms) — -
BC Giri, T Dohi
数理解析研究所講究録 1409, 115-124(2005)

238. Optimal lot sizing in an unreliable two-stage serial production–inventory system — 2.4
BC Giri, WY Yun, T Dohi
International Transactions in Operational Research **12 (1),** 63-82(2005)

239. Optimal lot sizing for an unreliable production system based on net present value approach — 11.251
BC Giri, T Dohi
International Journal of Production Economics **92 (2),** 157-167(2004)

240. Note on an economic lot scheduling problem under budgetary and capacity constraints — 11.251
BC Giri, I Moon
International Journal of Production Economics **91 (3),** 229-234(2004)

241. An improved heuristic for a batch production system under linearly increasing time-varying demand — 7.18
SK Goyal, BC Giri
Computers and Industrial Engineering **47 (1),** 103-106(2004)

242. Discrete-Time Spare Ordering Policy with Discounting and Two Types of Lead Times — -
BC Giri
電子情報通信学会技術研究報告= IEICE technical report: 信学技報 **104 (72)**, 11-16(2004)

243. Optimal Design of Production Rate in A Failure-Prone Manufacturing System — -
BC Giri, T Dohi
Proceedings of the ISCIE International Symposium on Stochastic Systems Theory and its Applications **2004** 279-284 (2004)

244. Computational Aspects of Extended EMQ Model with Variable Production Rate — -
BC Giri
日本オペレーションズ・リサーチ学会春季研究発表会アブストラクト集 **2004**, 350-351(2004)

245. Accounting for idle capacity cost in the scheduling of economic lot sizes — 9.018
BC Giri, I Moon*
International journal of production research **42 (4),** 677-691(2004)

246. Exact Formulation of Stochastic EMQ Model for an Unreliable Production System (Mathematical Programming Concerning Decision Makings and Uncertainties) — -
BC Giri, T Dohi
数理解析研究所講究録 **1373,** 71-79(2004)

247. Discrete-Time Spare Ordering Policy With Lead Time And Discounting — -
BC Giri, T Dohi, N Kaio
Advanced Reliability Modeling, 133-140(2004)

248. Exact Formulation of Stochastic EMQ Model for an Unreliable Production System (Mathematical Programming Concerning Decision Makings and Uncertainties) — -
BC Giri, T Dohi
数理解析研究所講究録 1373, 71-79 (2004)

249. Exact Formulation of Stochastic EMQ Model for an Unreliable Production System — -
BC GIRI
日本オペレーションズ・リサーチ学会秋季研究発表会アブストラクト集 **2003,** 52-53(2003)

250. Scheduling economic lot sizes in deteriorating production systems — 2.3
BC Giri, I Moon, WY Yun
Naval Research Logistics (NRL) **50 (6),** 650-661(2003)

251. The production–inventory problem of a product with time varying demand, production and deterioration rates — 6.363
SK Goyal, BC Giri
European Journal of Operational Research **147 (3),** 549-557(2003)

252. Optimal Design of Unreliable Production: Inventory Systems with Variable production Rate — -
BC Giri, T Dohi, YY Won

日本オペレーションズ・リサーチ学会春季研究発表会アブストラクト集
2003, 148-149(2003)

253. Economic order quantity model with Weibull deterioration distribution, shortage and ramp-type demand — 2.648
BC Giri, AK Jalan, KS Chaudhuri
International Journal of Systems Science **34 (4),** 237-243(2003)

254. A simple rule for determining replenishment intervals of an inventory item with linear decreasing demand rate — 11.251
SK Goyal, BC Giri
International journal of production economics **83 (2),** 139-142(2003)

255. Economic lot scheduling problem with imperfect production processes and setup times — 3.051
I Moon, BC Giri, K Choi
Journal of the Operational Research Society **53 (6),** 620-629(2002)

256. 1-S-4 ECONOMIC LOT SCHEDULING FOR DETERIORATING PRODUCTION SYSTEMS — -
I Moon, BC Giri, WY Yun
Proceedings of International Symposium on Scheduling **2002**, 21-24(2002)

257. 1-1 An Extended EMQ Model with an Unreliable Machine (Proceedings of 14th Reliability Symposium) — -
G BC, Y WY
The Journal of Reliability Engineering Association of Japan 23 (7), 701-704 (2001)

258. Some notes on the optimal production stopping and restarting times for an EOQ model with deteriorating items — 3.051
ZT Balkhi, SK Goyal, BC Giri
Journal of the Operational Research Society **52,** 1300-1301(2001)

259. Recent trends in modeling of deteriorating inventory — 6.363
SK Goyal, BC Giri
European Journal of operational research **134 (1),** 1-16(2001)

260. Comment on Bose S, Goswami A and Chaudhuri KS (1995). An EOQ model for deteriorating items with linear time-dependent demand rate and shortages under inflation and time discounting — 3.051
I Moon, BC Giri
Journal of the Operational Research Society **52 (8),** 966-969(2001)

261. A comment on Chang and Dye (1999): EOQ model for deteriorating items with time-varying demand and partial backlogging — 3.051
SK Goyal, BC Giri
Journal of the Operational Research Society 52, 238-239(2001)

262. Note on “An Optimal Recursive Method for Various Inventory Replenishment Models with Increasing Demand and Shortages” by Teng et al. — 2.3
SK Goyal, BC Giri
Naval Research Logistics (NRL) **47 (7),** 602-606(2000)

263. Note on “An Optimal Recursive Method for Various Inventory Replenishment Models with Increasing Demand and Shortages” by Teng et al. — 2.3
SK Goyal, BC Giri
Naval Research Logistics (NRL) **47 (7),** 602-606(2000)

264. A note on a lot sizing heuristic for deteriorating items with time-varying demands and shortages — 5.159
BC Giri, T Chakrabarty, KS Chaudhuri
Computers & Operations Research **27 (6),** 495-505(2000)

265. An economic production lot-size model with shortages and time-dependent demand — 1.7
BC Giri, KS Chaudhuri
IMA Journal of Management Mathematics **10 (3),** 203-211(1999)

266. Retailer's optimal policy for a perishable product with shortages when supplier offers all-unit quantity and freight cost discounts — -
BC Giri, T Chakraborty, KS Chaudhuri
PROCEEDINGS-NATIONAL ACADEMY OF SCIENCES INDIA SECTION A, 315-326(1999)

267. An EOQ model for items with Weibull distribution deterioration, shortages and trended demand: an extension of Philip's model — 5.159
T Chakrabarty, BC Giri, KS Chaudhuri
Computers & Operations Research **25 (7-8),** 649-657(1998)

268. A heuristic for replenishment of deteriorating items with time-varying demand and shortages in all cycles — 2.648
T Chakroborty, BC Giri, KS Chaudhuri
International Journal Of Systems Science **29 (6),** 551-555(1998)

269. Deterministic models of perishable inventory with stock-dependent demand rate and nonlinear holding cost — 6.363
BC Giri, KS Chaudhuri
European Journal of Operational Research **105 (3),** 467-474(1998)

270. Heuristic models for deteriorating items with shortages and time-varying demand and costs — 2.648
BC Giri, KS Chaudhuri
International Journal Of Systems Science **28 (2),** 153-159(1997)

271. An inventory model for deteriorating items with stock-dependent demand rate — 6.363
BC Giri, S Pal, A Goswami, KS Chaudhuri
European Journal of Operational Research **95 (3),** 604-610(1996)

272. An EOQ model for deteriorating items with time varying demand and costs — 3.051
BC Giri, A Goswami, KS Chaudhuri
Journal of the Operational Research Society **47,** 1398-1405(1996)

Name: Professor Sukhendu Kar

Department: Mathematics

Sl. No.	Details of the Publication	Impact Factor of the Journal
1.	Product of generalized derivations with Engel condition on Lie ideals in prime rings B. Dhara and S.Kar, *Asian European Journal of Mathematics* DOI: 10.1142/S1793557123502339 (2023)	0.315
2	The zero-divisor associate graph over a finite commutative ring R.Sengupta, B.Biswas, M.K. Sen, S.Kar, *Communications in Combinatorics and Optimization* DOI:10.22049/cco.2023.28488.1577 (2023)	-
3.	Ternary ∗-Bands Are Globally Determined I.Dutta, S.Kar *Ural mathematical journal* 9(1):64(2023) DOI:10.15826/umj.2023.1.005	0.71
4.	Characterization of k-regularities in semigroups P.Sarkar, S.Kar *Afrika Matematika* 34(3) (2023) DOI:10.1007/s13370-023-01086-0	1.13
5.	S − k−prime and S − k−semiprime ideals of semirings J.Goswami, S.Bhowmick, S.Kar Discussiones Mathematicae - General Algebra and Applications (2023) DOI:10.7151/dmgaa.1442	0.38
6.	Some identities involving generalized (α,β)-derivations in prime and semiprime rings M.Bera, B. Dhara and S.Kar, *Asian European Journal of Mathematics* 16(04) (2022) DOI:10.1142/S1793557123500730	0.315
7.	Lattice structures in ternary semigroup of mappings S.Kar, A.Roy, S.Purkait *Afrika Matematika* 33(4) (2022) DOI:10.1007/s13370-022-01028-2	1.13
8.	A result concerning b -generalized skew derivations on multilinear polynomials in prime rings N.Bera, B. Dhara and S.Kar *Communications in Algebra* 51(1):1-15 (2022) DOI:10.1080/00927872.2022.2118205	0.617
9.	Order two element graph over a group S.Pradhan, S.Kar *Discrete Mathematics Algorithms an Applications* 15(06) (2022) DOI:10.1142/S1793830922501361	0.305
10.	Generalized Derivations Commuting on Lie Ideals in Prime Rings B. Dhara, S.Kar, S.Kuila *Annali dell'Università di Ferrara. Sezione 7: Scienze matematiche* 69(4) (2022) DOI:10.1007/s11565-022-00408-7	0.227

11.	On the Connectedness of Square Element Graphs over Arbitrary Rings B.Biswas, R.Sengupta, M.K.Sen, S.Kar *Southeast Asian Bulletin of Mathematics* 43(2):153–164(2022)	-
12.	Subgraph of generalized co-maximal graph of commutative rings B.Biswas, S.Kar, M.K.Sen *Soft Computing* 26(4):1587–1596 (2022) DOI:10.1007/s00500-022-06748-y	3.732
13.	Some identities related to multiplicative (generalized)-derivations in prime and semiprime rings B. Dhara, S.Kar,N.Bera *Rendiconti del Circolo Matematico di Palermo* 72(1) (2022) DOI:10.1007/s12215-022-00743-w	0.601
14.	X-generalized skew derivations with annihilating and centralizing conditions in prime rings B. Dhara, S.Kar,M.Bera , *Annali dell'Università di Ferrara. Sezione 7: Scienze matematiche* 68(1) (2022) DOI:10.1007/s11565-022-00393-x	0.227
15.	Ideals in topological ternary semigroups S.Samanta, S.Jana, S.Kar *Boletín de la Sociedad Matemática Mexicana* 28(1) (2022) DOI:10.1007/s40590-022-00416-9	1.0
16.	Clean semiring S.Kar, D.Das *Beiträge zur Algebra und Geometrie / Contributions to Algebra and Geometry* 64(3) (2022) DOI:10.1007/s13366-022-00628-0	0.5
17.	A Note on Generalized Derivations of Order 2 and Multilinear Polynomials in Prime Rings B.Dhara, S.Kar, S.Kuila *Acta Mathematica Vietnamica* 47(9) (2022) DOI:10.1007/s40306-021-00471-w	0.366
18.	Ordered power ternary semigroups S.Kar, A.Roy, I.Dutta *Asian-European Journal of Mathematics* 15(10) (2021) DOI:10.1142/S1793557122501807	0.315
19.	On the Primary Decomposition of k -Ideals and Fuzzy k -Ideals in Semirings R.P.Sharma, M.Dadhwal,R.Sharma, S.Kar *Fuzzy Information and Engineering* 13(1):1-13 (2021) DOI:10.1080/16168658.2021.1950390	0.667
20.	Square element graph of square-subtract rings B.Biswas, S.Kar, M.K.Sen *Discrete Mathematics Algorithms and Applications* 14(04):2150142 (2021) DOI:10.1142/S1793830921501421	0.305
21.	Soft Ideals of Soft Ternary Semigroups S.Kar, I.Dutta *Heliyon* 7(6):e07330 (2021) DOI:10.1016/j.heliyon.2021.e07330	4.0
22.	Structure of Birkhoff center of c-semirings R.Sarkar, S.Kar, B.Biswas, S.Purkait *Asian-European Journal of Mathematics* 14(2):11 (2021)	0.315

23.	Stuctures of Ternary Semigroup of Mappings S.Kar, I.Dutta, K.P.Shum *Lobachevskii Journal of Mathematics* 41(9):1653-1659 (2020) DOI:10.1134/S1995080220090139	0.378
24.	Generalized Derivations and Generalization of Co-commuting Maps in Prime Rings B.Dhara, N.Bera, S.Kar *Taiwanese Journal of Mathematics* 25(1) (2020) DOI:10.11650/tjm/200801	0.87
25.	Note on Topological Ternary Semigroup S.Samanta, S.Jana, S.kar *Asian-European Journal of Mathematics* 14(3) (2020) DOI:10.1142/S1793557121500868	0.315
26.	A note on multiplicative (generalized)-derivations and left ideals in semiprime rings B.Dhara, S.Kar, S.Kuila, *Rendiconti del Circolo Matematico di Palermo* 70(6) (2020) DOI:10.1007/s12215-020-00515-4	0.601
27.	k -prime and k -semiprime ideals of semirings S.Purkait, T.K.Dutta, S.Kar *Asian-European Journal of Mathematics* 14(03) (2020) DOI:10.1142/S1793557121500418	0.315
28.	Stuctures of Ternary Semigroup of Mappings S.Kar, I.Dutta *Lobachevskii Journal of Mathematics* 41(9):1653-1659 (2020)	0.378
29.	Some properties of Square element graphs over semigroups B.Biswas, M.K. Raibatak Sengupta, S.Sen, S.Kar *AKCE International Journal of Graphs and Combinatorics* 17(1):118-130 (2020)	0.434
30.	Pair of generalized derivations acting on multilinear polynomials in prime rings B.Dhara, S.Kar, P.Das *Hacettepe Journal of Mathematics and Statistics* 49(2) (2019) DOI:10.15672/hujms.588747	0.369
31.	Structure of Birkhoff center of c –semirings R.Sarkar, S.Kar, B.Biswas, S.Purkait *Asian-European Journal of Mathematics* (2019) DOI:10.1142/S1793557121500236	0.315
32.	On m -clean and strongly m -clean rings S.Purkait, T.K.Dutta, S.Kar *Communications in Algebra* 48(1):1-10 (2019) DOI:10.1080/00927872.2019.1640236	0.617
33.	Generalized skew-derivations annihilating and centralizing on multilinear polynomials in prime rings P.Das, B.Dhara, S.Kar *Proceedings Mathematical Sciences* 129(2) (2019) DOI:10.1007/s12044-019-0462-3	0.626
34.	On the Connectedness of Square Element Graphs over Arbitrary Rings B.Biswas, R.Sengupta, M.K.Sen, S.Kar *Southeast Asian Bulletin of Mathematics* 43(2):153–164 (2019)	-

35. Some properties of Square element graphs over semigroups — 0.867
B.Biswas, R.Sengupta, M.K.Sen, S.Kar *AKCE International Journal of Graphs and Combinatorics* 17(1) (2019)
DOI:10.1016/j.akcej.2019.02.001

36. Global determinism of ternary semilattices — 0.315
S.Kar, I.Dutta *Asian-European Journal of Mathematics* 13(04) (2019)
DOI:10.1142/S1793557120500837

37. Generalized derivations with centralizing conditions in prime rings — 0.341
P.Das, B.Dhara, S.Kar *Communications of the Korean Mathematical Society* 34(1):83-93 (2019)
DOI:10.4134/CKMS.c180013

38. A generalization of co-maximal graph of commutative rings — 0.305
B.Biswas, S.Kar, M.K.Sen *Discrete Mathematics Algorithms and Applications* 11(1):1950013 (2019)

39. A generalization of co-maximal graph of commutative rings — 0.305
B.Biswas, S.Kar, M.K.Sen, T.K.Dutta *Discrete Mathematics Algorithms and Applications* 11(01) (2018)
DOI:10.1142/S1793830919500137

40. Some structure spaces of generalized semirings — 0.988
K.Hila, S.Kar, S.Kuka, K.Naka *Filomat* 32(13):4461-4472 (2018)
DOI:10.2298/FIL1813461H

41. Birkhoff center of c-semiring — 0.315
S.Kar, S.Purkait, R.Sarkar *Asian-European Journal of Mathematics* 12 1950003 (2019)
DOI:https://doi.org/10.1142/S1793557119500037

42. Interval-Valued Primary Fuzzy Ideal of Non-commutative Semigroup — 2.31
P.Sarkar, S.Kar *International Journal of Applied and Computational Mathematics* 3(1) (2017)
DOI:10.1007/s40819-017-0336-2

43. A study on (i-v) prime fuzzy hyperideal of semihypergroups — 1.13
P.Sarkar, S.Kar *Afrika Matematika* 29(1):1-16 (2017)
DOI:10.1007/s13370-017-0528-2

44. On k-Regularities in Fuzzy Semihyperrings — 2.31
S.Kar , S.Purkait *International Journal of Applied and Computational Mathematics* 3(2) (2017)
DOI:10.1007/s40819-016-0166-7

45. Globally Determined Ternary Semigroups — 0.315
S.Kar, I.Dutta *Asian-European Journal of Mathematics* 10(03) (2016)
DOI:10.1142/S1793557117500383

46. An engel condition of generalized derivations with annihilator on lie ideal in prime rings — 0.429
B.Dhara, S.Kar, K.G. Pradhan *Matematički Vesnik* 68(3) (2016)

47.	Soft Ternary Semirings S.Kar, A.Shikari *Fuzzy Information and Engineering* Vol. 8(No. 1):1 - 15 DOI:10.1016/j.fiae.2016.03.001	0.667
48.	Identities with generalized derivations on multilinear polynomials in prime rings B.Dhara, S.Kar, K.G. Pradhan *Afrika Matematika* 27(7-8) (2016) DOI:10.1007/s13370-016-0415-2	1.13
49.	Power Values of Derivations on Multilinear Polynomials in Prime Rings B.Dhara, S.Kar, S.Mondal *Acta Mathematica Vietnamica* Vol. 41(Issue 1):121 – 131 (2016) DOI:10.1007/s40306-015-0151-y	0.366
50.	Fuzzy -Primary Decomposition of Fuzzy -Ideal in a Semiring S.Kar, S.Purkait, B.Davvaz *Fuzzy Information and Engineering* 7(4):405-422 (2015) DOI:10.1016/j.fiae.2015.11.002	0.667
51.	Generalized derivations on Lie ideals in prime rings B.Dhara, S.Kar, S.Mondal *Czechoslovak Mathematical Journal* Vol. 65(No. 1):179 – 190 (2015) DOI:10.1007/s10587-015-0167-4	0.4
52.	Co-centralizing generalized derivations acting on multilinear polynomials in prime rings B.Dhara, S.Kar, K.G.Pradhan *Bulletin of the Iranian Mathematical Society* 42(6) (2015)	0.76
53.	Generalized derivations acting as Homomorphism or Anti-homomorphism with central values in semiprime rings B.Dhara, S.Kar, K.G.Pradhan *Miskolc Mathematical Notes* 16(2):781 – 791 (2015) DOI:10.18514/MMN.2015.1507	1.22
54.	Power Ternary Semirings T.K.Dutta, S.Kar, K.Das *Afrika Matematika* 26(7) (2014) DOI:10.1007/s13370-014-0300-9.	1.13
55.	Interval-valued fuzzy k-quasi-ideals and k-regularity of semirings S.Kar, S.Purkait, K.P. Shum *Afrika Matematika* 26(7) (2014) DOI:10.1007/s13370-014-0296-1	1.13
56.	Interval-Valued Semiprime Fuzzy Ideals of Semigroups S.Kar, P.Sarkar, K.Hila *Advances in Fuzzy Systems* Volume 2014 (2014) (Article ID 842471):10 pages DOI:10.1155/2014/842471	1.3
57.	Commutativity theorems on prime and semiprime rings with generalized (σ, τ) – derivations B.Dhara, S.Kar, S.Mondal *Boletim da Sociedade Paranaense de Matematica* Vol. 32(No. 1):109 – 122 (2014) DOI:10.5269/bspm.v32i1.15762	0.706

58.	Characterization of some k-regularities of semirings in terms of fuzzy ideals of semirings S.Kar, S.Purkait *Journal of Intelligent & Fuzzy Systems* 27(6):3089–3101 (2014) DOI:10.3233/IFS-141266	1.737
59.	On some interval-valued fuzzy hyperideals of semihypergroups S.Kar, P.Sarkar, V.Fotea *Afrika Matematika* 26(5-6) (2014) DOI:10.1007/s13370-014-0273-8	1.13
60.	A result on generalized derivations on Lie ideals in prime rings B.Dhara, S.Kar, S.Mondal *Beiträge zur Algebra und Geometrie / Contributions to Algebra and Geometry* 54(2) (2013) DOI:10.1007/s13366-012-0128-0	0.5
61.	Derivations with annihilator conditions in prime rings B.Dhara, S.Kar, S.Mondal *Bulletin of the Korean Mathematical Society* Vol. 50(No. 5):1651 – 1657 (2013) DOI:10.4134/BKMS.2013.50.5.1651	0.467
62.	Interval-valued Fuzzy k-ideals and k-regularity of Semirings T.K.Dutta, S.Kar, S.Purkait *Fuzzy Information and Engineering* Vol. 5(No. 2):235 – 251.(2013) DOI:10.1007/s12543-013-0143-3	0.667
63.	Interval-valued prime fuzzy ideals of semigroups S.Kar, K.P.Shum, *Lobachevskii Journal of Mathematics* Vol. 34(No.1):11–19 (2013) DOI:10.1134/S1995080212040117	0.378
64.	Fuzzy Ideals Of Ternary Semigroups S.Kar, P.Sarkar *Fuzzy Information and Engineering* 4(2) (2012) DOI:10.1007/s12543-012-0110-4	0.667
65.	On k-regular Ternary Semirings S.Kar, K.Das Conference: Proceedings of International Conference in Algebra – 2010 Volume: World Sci. Publ., Hackensack, NJ, (2012); 356 – 368 (2012) DOI:10.1142/9789814366311_0024	-
66.	Ideal Theory In The Ternary Semiring Z_0^- S.Kar *The Bulletin of the Malaysian Mathematical Society Series 2* 34(1):69 – 77(2011)	1.2
67.	Some Ideals Of Ternary Semigroups S.Kar, B.K.Maity *Annals of the Alexandru Ioan Cuza University - Mathematics* Tomul LVI(2) (2010) DOI:10.2478/v10157-011-0024-1	-
68.	On Ideals In Regular Ternary Semigroups T.K.Dutta, S.Kar, B.K.Maity *Discussiones Mathematicae - General Algebra and Applications* 28(2):147 – 159 (2008) DOI:10.7151/dmgaa.1140	0.38

69.	On Structure Space Ternary Semirings S.Kar *Southeast Asian Bulletin of Mathematics* 31:537 – 545 (2007)	-
70.	A Note On Regular Ternary Semirings T.K.Dutta, S.Kar *Kyungpook mathematical journal* 46(3):357 – 365 (2006)	0.71
71.	On quasi-ideals and bi-ideals in ternary semirings S.Kar *International Journal of Mathematics and Mathematical Sciences* 2005(18):3015-3023 (2005) DOI:10.1155/IJMMS.2005.3015	1.2
72.	A Note On The Jacobson Radicals Of Ternary Semirings T.K.Dutta, S.Kar *Southeast Asian Bulletin of Mathematics* 29:321 – 331 (2005)	-
73.	Two Types Of Jacobson Radicals Of Ternary Semirings T.K.Dutta, S.Kar *Southeast Asian Bulletin of Mathematics* 29:677 – 687 (2005)	-
74.	On Ternary Semifields T.K.Dutta, S.Kar *Discussiones Mathematicae - General Algebra and Applications* 24(2):185 – 198 (2004) DOI:10.7151/dmgaa.1084	0.38
75.	On Regular Ternary Semirings T.K.Dutta, S.Kar Conference: "Advances in Algebra"; Proceedings of the ICM Satellite Conference in Algebra and Related Topics – World Scientific (2003); 343 – 355 (2003) DOI:10.1142/9789812705808_0027	

Ms. Monika Paul
Visiting Faculty in the Department of Mathematics (PG Section), Behala College

1.	Clifford semigroup actions M Paul, SK Maity Asian-European Journal of Mathematics 16 (04), 2350067	2023
2.	Topological S-act congruence. SK Maity, M Paul Quasigroups & Related Systems 30 (2)	2022
3.	Semilattice of topological groups SK Maity, M Paul Communications in Algebra 49 (9), 3905-3925	2021

Dr. Sudip Kumar Acharya, Retired Professor of Pure mathematics, University of Calcutta, Visiting faculty, Department of Mathematics (PG Section), Behala College

1. Some familiar graphs on the rings of measurable functions
   BOOK
   Nandi, Pratip, Deb Ray, Atasi, Acharyya, Sudip, 2023/07/04

arXiv:2307.02492 [math.GM]

2. More on generalizations of topology of uniform convergence and m-topology on $C(X)
BOOK
Nandi, Pratip, Bharati, Rakesh, Deb Ray, Atasi, Acharyya, Sudip
2023/07/03
arXiv:2307.07519 [math.GN]

3. Zero-divisor graph and comaximal graph of rings of continuous functions with countable range
Bharati, Rakesh, Acharyya, Amrita, Deb Ray, Atasi, Acharyya, Sudip
PY - 2023/06/16
10.1142/S0219498824502438
Journal of Algebra and Its Applications

4. U$-topology and m-topology on the ring of Measurable Functions, generalized and revisited
BOOK
Nandi, Pratip, Deb Ray, Atasi, Acharyya, Sudip
2023/06/03
arXiv:2306.03768 [math.GN]

1. Rings of functions whose closure of discontinuity set is in an ideal of closed sets
BOOK
Dey, Amrita, Acharyya, Sudip, Bag, Sagarmoy, Mandal, Dhananjoy
2023/04/15
arXiv:2304.07523 [math.GN]

2. A Generalization of $ m $-topology and $ U $-topology on rings of measurable function
BOOK
Acharyya, Soumyadip,Bharati, Rakesh,Deb Ray, Atasi,Acharyya, Sudip
2022/07/11
10.48550/arXiv.2207.05550 [math.FA]

3. Annihilator graph of the ring $C_\mathscr{P}(X)
BOOK
Nandi, Pratip, Acharyya, Sudip, Deb Ray, Atasi
2022/06/11
10.48550/arXiv.2206.05463
4. Zero-divisor graph and comaximal graph of rings of continuous functions with countable range
BOOK
Bharati, Rakesh, Acharyya, Amrita, Deb Ray, Atasi
Acharyya, Sudip
2022
10.48550/arXiv.2206.05471

5. A generalization of topology of uniform convergence on C(X)
Bharati, Rakesh, Deb Ray, Atashi, Acharyya, Sudip, Acharyya, Soumyadip
2022/02/01

10804(310)
10.1016/j.topol.2022.108041
Topology and its Applications

6. Zero-divisor graph of the rings Cp(x) and Cp∞ (x)TY - JOUR
Acharyya, Sudip, Deb Ray, Atasi, Nandi, Pratip
2022/01/01
5029(5046) VL - 36
DO - 10.2298/FIL2215029A
Filomat

7. Intrinsic characterizations of C-realcompact spaces
Acharyya, Sudip, Bharati, Rakesh, Deb Ray, Atasi
2021/10/01
295, VL - 22
10.4995/agt.2021.13696
Applied General Topology

8. On the cardinality of non-isomorphic intermediate rings of C(X)
Bose, Bedanta, Acharyya, S.
2021/08/01
VL - 82
10.1007/s00012-021-00734-5
Algebra universalis

9. Intermediate Rings of a Class of Ordered Field Valued Continuous Functions Acharyya, Sudip, Bharati, Rakesh, Parsinia, Mehdi,2021/06/12, 1:16, VL - 45
Quaestiones Mathematicae10.2989/16073606.2021.1899084
10. Abundance of isomorphic and non isomorphic C-type intermediate rings.Bose, Bedanta Acharyya, Sudip, 2021/05/01, 107734, VL - 299, Topology and its Applications10.1016/j.topol.2021.107734

11. Intermediate rings of complex-valued continuous functions .Acharyya, Amrita, Acharyya, Sudip, Bag, Sagarmoy, Sack, Joshua,2021/04/01,SP - 47,10.4995/agt.2021.13165 Applied General Topology

12. On Some Questions Concerning Rings of Continuous Ordered-Field Valued Functions.. BOOK. Acharyya, Sudip,Parsinia, Mehdi, 2021/02/19

13. Ordered field valued continuous functions with countable range. BOOK, Acharyya, Sudip Deb Ray, Atasi, Nandi, Pratip, 2020/07/10.

14. Intrinsic characterizations of C-realcompact spaces. BOOK, Acharyya, Sudip, Bharati, Rakesh, Deb Ray, Atasi,2020/07/10.

15. Rings and subrings of continuous functions with countable range. Acharyya, Sudip, Bharati, Rakesh, Deb Ray, Atasi, 2020/05/01, SP - 1, EP - 2, VL - 44, 10.2989/16073606.2020.1752322, Quaestiones Mathematicae.
16. Intermediate rings of complex-valued continuous function.BOOK, Acharyya, Amrita, Acharyya, Sudip, Bag, Sagarmoy, Sack, Joshua, 2020/01/27

17. Ideals in Rings and Intermediate Rings of Measurable Functions Acharyya, Sudip, Bag, Sagarmoy, Sack, Joshua, 2019/02/08, VL - 19, DO - 10.1142/S0219498820500383, Journal of Algebra and Its Applications

18. Recent progress in Rings and Subrings of Real Valued Measurable Functions. Acharyya, Soumyadip, Acharyya, Sudip, Bag, Sagarmoy, Sack, Joshua, 2018/11/05, Bag, Sagarmoy, Acharyya, Sudip, Mandal, Dhananjoy, 2018/09/14, A class of ideals in intermediate rings of continuous functions,VL - 20,DO - 10.4995/agt.2019.10171,Applied General Topology.

19. Abundance of non isomorphic intermediate rings. BOOK, Bose, Bedanta, Acharyya, Sudip 2018/06/27

20. Ideals in Rings and Intermediate Rings of Measurable Functions BOOK, Acharyya, Sudip Bag, Sagarmoy, Sack, Joshua, 2018/06/07

21. Some new results on functions in $C(X)$ having their support on ideals of closed sets AU - Bag, Sagarmoy, Acharyya, Sudip, Rooj, Pritam, Bhunia, Goutam, 2017/12/28, VL - 42, 10.2989/16073606.2018.1504830, Quaestiones Mathematicae.

Dr. Dibakar Dey

Visiting Faculty in the Department of Mathematics (PG Section), Behala College

1. Almost Kenmotsu metric as Ricci-Yamabe soliton. D Dey. arXiv preprint arXiv:2005.02322, 2020.Conformal Geometry and Dynamics of the American Mathematical Society 23 (5).

2. Critical point equation on N (k)-contact manifoldsD Dey, P Majhi. 2019. Bulletin of the Transilvania, University of Brasov. Series III: Mathematics.

3. Pseudo-symmetric structures on almost Kenmotsu manifolds with nullity distributions. UC De, D Dey. Acta et Commentationes Universitatis Tartuensis de Mathematica 2019, 23 (1), 13-24

4. Ricci solutions and$*$-gradient Ricci solitons on 3-dimensional trans-Sasakian manifolds. D Dey, P Majhi. Communications of the Korean Mathematical Society.2020 35 (2), 625-637

5. On*-Conformal Ricci Solitons on a Class of Almost Kenmotsu Manifolds. P Majhi, D Dey. Kyungpook Mathematical Journal 61 (4) 2021.

6. Critical point equation on a class of almost Kenmotsu manifolds. D Dey, P Majhi. Journal of Geometry 2020111 (1), 16.

7. Sasakian 3-metric as a generalized Ricci-Yamabe soliton. D Dey, P Majhi. Quaestiones Mathematicae 2022, 45 (3), 409-421.

8. On the quasi-conformal curvature tensor of an almost Kenmotsu manifold with nullity distributions. D Dey, P Majhi. 2018.Facta Universitatis, Series: Mathematics and Informatics 33 (2), 255-268.

9. Sasakian 3-metric as a*-conformal Ricci Soliton Represents a Berger sphere. D Dey. 2022.Bulletin of the Korean Mathematical Society 59 (1), 101-110.

10. On a class of almost Kenmotsu manifolds admitting an Einstein like structure. D Dey, P Majhi. 2021.São Paulo Journal of Mathematical Sciences 15 (1), 335-343.

11. Almost Kenmotsu manifolds admitting certain vector fields. D Dey, P Majhi. arXiv preprint arXiv:2004.14005, 2020

12. Some type of semisymmetry on two classes of almost Kenmotsu manifolds. D Dey, P Majhi. Communications in Mathematics 29. 2021

13. Critical point equation on 3-dimensional trans-Sasakian manifolds. D Dey. Thai Journal of Mathematics 2021, 19 (2), 653-663.

14. Ricci tensor on almost Kenmotsu 3-manifolds.D Dey, P Majhi. International Journal of Geometric Methods in Modern Physics 2020,17 (13), 2050196.

15. A Note on Two Classes of -Conformally Flat Almost Kenmotsu Manifolds. D Dey. Konuralp Journal of Mathematics 2019,7 (2), 388-394.

16. Some critical metrics on 3-dimensional trans-Sasakian manifolds. D Dey, P Majhi. Palestine J. Math, 2018.

17. Almost Kenmotsu Metrics with Quasi Yamabe Soliton.P Majhi, D Dey. Kyungpook Mathematical Journal 63 (1) 2023.

18. On the Ricci symmetry of almost Kenmotsu manifolds. D Dey. Tamkang Journal of Mathematics 2022, 53 (3), 229-238.

19. Almost Kenmotsu Manifolds Admitting Certain Critical Metric. D Dey. Journal of Dynamical Systems and Geometric Theories 2022, 20 (2), 299-309.

20. Sasakian 3-manifolds admitting a gradient Ricci-Yamabe soliton. D Dey.Korean Journal of Mathematics 2021, 29 (3), 547-554.

21. SASAKIAN 3-MANIFOLDS SATISFYING SOME CURVATURE CONDITIONS ASSOCIATED TO Ƶ-TENSOR. D Dey, P Majhi. The Pure and Applied Mathematics 2021,28 (2), 143-153.

……

List of Research and Publications

Arts

Dr. Sharmila Mitra

Principal, Department of History

Books

- Begum Rokea Sakhawat Hossain: The Emancipator, 2015, ISBN 978-93-84882-59-4
- Nurnnechha Khatun Bidyabinodini: A Novelist, 2015, ISBN 978-93-84882-61-7
- Beyond Purdah: A Glimpse into the Life of Begum Shamsunnahar Mahmud, 2015, ISBN 978-93-84882-60-0

Articles published in journal

- Women's Link, Vol. 8, No. 1, Jan.-Mar. 2002, ISSN/ISBN No. 2229-6409, "The Movement for Women's Emancipation in Bengali Muslim Society: The Role of Begum Rokea Sakhawat Hossain as a Literati and a Social Reformer", pp.16-21
- Women's Link, Vol. 8, No. 3, Jul.-Sep. 2002, ISSN/ISBN No. 2229-6409, "Beyond Purdah: Role of Begum Shamsunnahar Mahmud to Enlighten the Educational and Social Environment of the Bengali Muslim Women", pp. 08-11
- Women's Link, Vol. 9, No. 2, Apr.-Jun. 2003, ISSN/ISBN No. 2229-6409, "Nursing Profession for Women: Problems and Prospects", pp.13-14
- Women's Link, Vol. 10, No. 4, Oct.-Dec. 2004, ISSN/ISBN No. 2229-6409, "Representation and Analysis of Violence against Women in Print Media (Kolkata)", pp.11-15
- Women's History Review, Vol. 15, No. 3, July 2006, ISSN/ISBN No. 0961-2025 (print), "The Movement for Women's Emancipation within the Bengali Muslim Community in India", pp.
- Women's History Review, Vol. 15, No. 3, July 2006, ISSN/ISBN No. 1747-583X (online), "The Movement for Women's Emancipation within the Bengali Muslim Community in India"
- Women's Link, Vol. 14, No. 2, Apr-Jun. 2008, ISSN/ISBN No. 2229-6409, "Women and Violence: The Thought Process of Women Convicts", pp. 2-5
- Women's Link Vol. 15, No. 2, Apr-Jun. 2009, ISSN/ISBN No. 2229-6409, "Women and Media: Gender Evaluation", pp. 18-20
- Women's Link, Vol. 16, No. 4, Oct-Dec. 2010, ISSN/ISBN No. 2229-6409, "Gender Bias in Indian Society", pp. 3-7
- Women's Link, Vol. 18, No.1 Jan-Mar. 2012, ISSN/ISBN No. 2229-6409, "Women's Emancipation Movement within the Bengali Muslim Community", pp.
- Robi Eshona, March 2012, "The Last Samurai of Bengal Renaissance Rabindra Nath Tagore"
- Literary Confluence, A Global Journal of English and Cultural Studies, Vol. 1, JulyDec. 2014, ISSN/ISBN No. 2349-6509, "Literary Contributions of Begum Shamsunnahar Mahmud Towards Enlightenment of the Bengali Muslim Women", pp.

Dr. Pijush Kanti Halder

Assistant Professor, Department of Bengali

Articles published in book

- Kabi Boidyanather Kabitay Prem O Jaibik Chetana; Sahitye Prem O Jaibik Chetana; ISBN- 978-93- 90717-22-4; 2021.

Articles published in journal

- Anu Nattoker Mohit Chattopadhyay, Ami Aroni, ISSN NO: 2277-8780, 2015.
- Lalsalu : Said Oaliullaha O Tanbir Mojammel; Ebang Mahuya; UGC Approved Journal; 2018-19.
- Khirodprasad : Desh bhabona; Ebang Mahuya; UGC Approved Journal; 2018.
- Bahumatrik Natyabyktittwa Khirodprosad; Samakaler Jiyankathi; ISSN-2249-4782; 2019.
- Bangla Kabitar Palabadaler Ek Byatikrami Kabi Charan Kabi Baidyanath; Ebang Mahuya; UGC Approved Journal; 2020.
- Achyutader Vidyasagar; Samakaler Jiyankathi; ISSN-2249-4782; 2020.
- Bangla Thiyetarer Nayak Durgadas; Ebang Mahuya; UGC Approved Journal; 2021

Dr. Kamalika Ray Dutta

Assistant Professor, Department of Bengali

Books

- Bangla Upanyase Chetana Prabaha Reeti,author Kamalika Ray Dutta, publisher Neo Publication, ISBN-978-81-929523-3-8, 2015.
- Rupkothar Nakshikatha-author Kamalika Ray Dutta,ISBN-978-93-80869-55-1,2014, -Parampara Prokashon

Articles published in book

- RabindraUpanyase Chetana Prabaha Reetir Purba suchana, EKbingsha satabdite Rabindranather Prasangikota ISBN-978-93-80663-88-3, 2012
- Bangla Manastattwik Upanyas o ChetanaPrabaha Reetir Pratisthar Itihas, Expression Education Literature and Society Edited by Pralhad Ray &Avishek Dutta ISBN 978-81-924687-8-5, 2013
- NanditaBagchir Upanyas Samikkha, Ekush Shataker Nari Upanyasik EditorAmitrasudanBhattacherjee ISBN-978/936-81245-36-1, 2014
- Bishbrikkha:Ekti Samikkha, BankimUpanyas Samikkha Edited by Amitrasudan Bhattacherjee&ManabendraMukhopadhaya ISBN: 978-93-81329-60-3, 2014

- Rabindra patravalite Rabindra Chitraprasanga,Balaka Sahitya Patrika Boishakh Sankhya,ISBN 2230 9381 2016

Articles published in Articles

- Kotha Sahitye Chetana Prabaha Reetir Suchana O Swarup, GandhaBanik, RNI-13846/62/ROLRMS/078/2009
- Samaresh Basur Bibor: Chetana- Prabaha Reetir Sarthak Rupayan, AjkerJodhan, ISSN 0871 5819, 2010
- SamareshBasur Patak: Chetana-PrabahaReeti, Gandhabanik, RNI-13846/62/ROLRMS/078/2011-12
- Santosh kumar Ghosher Swayang Nayak: Chetana Prabaha Reetir Ek Ascharjya Nidarshan, AjkerJodhan ISSN 0871-5819, 2012
- Chetana-PrabahaReeti O DhurjatiPrasaderAntyasheela: Nabamulyaan, SahityaPatrika BHU 2012 GranthaSamalochona-RabindraRachanabidhan, Visva-Bharati Patrika, RN-2700/57, 2013
- Samprotik Jiboner Kotokotha: Indranil Sanyaler Upanyas, Abakash Sahitya Patrika ISSN 2320 5380, 2014
- Chitipatra: RabindraNath O Modonmohon Malabya, Rabindra Bikkhsha.volume-57,Rabindra Bhavana, Visva-Bharati,august,2015
- Paribarik SmritiLipi Pustoke RabindraNath,, Rabindra Bikkhsha.volume-58,Rabindra Bhavana, Visva-Bharati,May,2016
- Thakur Barir Bibaha o Dampatya : Renuka O SatyendraNath Bhattacharya, Abakash Sahitya Patrika, Bisesh Sankhya ISSN 2320-5380, 2016,
- Sunil Gangopadhaya : Ardhek Jiban, Atmajibani eisamay,Abakash Sahitya patrika, ISSN 2320- 5380, 2019

Dr. Mridula Kundu

Associate Professor, Department of Bengali

Books

- Jhampdarja; Abhijan, 2015. ISBN:978-93- 80197-56-2
- Atanudadu Niruddeshe, Abhijan, 2022. ISBN: 978-93-91869-45-8
- “Nilur Jibon”; ‘Nogno Akshararer Gaye’, 2022. ISBN: 978-93-92534-50-8

Articles published in books

- Chapter Title: Nilur Jibon/Book name: Nagano Akhsarer Gaye, 2022, ISBN 978-93-92534-50-8,Parampara

Articles published in journals

- Eliot o Sudhindranather Kabyaprakaran; Sahitya o Sanskrit; 1994.
- Sudhindranath Datta'r Kabyadarsho: Pratyasha o Prapti; Gabeshana; Jadavpur University; 1996.
- Shabdo Bibaha: Kobita o Kobi Nirendranath; Piller; 1996
- Kobitay Punarabortaner Shoily; Shetketu; 1998
- Kobitay Gram Bhabna: Nanamukh; Kobitar Kagoj; 2000.
- Chokher Bali: Sheser Shuru; Akendrik; 2000.
- Mahasweta Devir Chotogalpo; Srijan; 2000.
- Ashis Sanyaler Kobikriti; Deep Prakashan, 2001.
- Jibananander Kobita-bhabna : Nirman Shristir Dwaitadwaito; Purbadri; 2001.
- Sudhindrath: Sundarer Padorekha Dhara Debe Dhula Dhaka Pothe; Kobitirtha; 2001.
- Amiya Chakraboty' r Kabyodrishti: Dristikabyo; Srijan; 2001.
- Paye Hantar Shabdochap: Jato Durei jai; Vidyasagar University; 2001.
- Jibananander Kabyobhabna: Tatwa O Prayog''; Mritapatre Nilocchash; 2002.
- Sudhndranath: Nijere Ujar kori Niskaboj kori; Kalbela; 2002.
- Megher Aral Arale megh; Broti Sanhati; 2003.
- Kunrite Dhaka Gandho : Subhash Mukhopadhyay; Anyamukh; 2004.
- Pather Nirjan Prostuti; Kalbela; 2003.
- Amar Sange Chalo Mahanagare ; Galpokar Premendra Mitra ; Srijan; 2004
- Niranjan Swash: Kobita Bhabnay Shankha Ghosh; Bangla Bibhagiyo Patrika Jadavpur University; 2006.
- Niranjan Swash: Kobita Bhabnay Shankha Ghosh; Bangla Bibhagiyo Patrika Jadavpur University; 2006.
- ''Aswa Jakhon Jagyer Medh; Bangla Chotogalpo: Swadhinatar age O Pore; Sep. 2008.
- "T.S.Eliot er Noirboktikatar Kobita Vabna: Oitijhho o Anukram "; Paschatya Sahitwatatwa O Sahitya Bhabna; June 2009.
- Arun Mita-er 'Pradarshani'; Anyamukh; 2009.
- "Shishusikshay Rabindranath: Dana Mele Orar Akash; Shikshasarathi Rabindranath; Jan 2013.
- "Pathashisur Shoisab: Shoilen Ghosh" Bangla Chotogalpo: Ekaler Sanglap 2013.
- "Mahasweta Debir Chotogalpe AranyoManush: Bipannata o Protirodh"; Samayer Swar: Samayer Bhasha; 2013.
- Shishur Jagat : Sahitya o Ganamadhyam "; ' Adhunik Bangla Sahityer Gotiprakriti o Ganamadhyamer Sange Samparko '; 2013.
- "Sita : Samasamay o Dwijendralal"; 'Srashta Dwijendralal Roy o Sita ', 2015.
- Tinsangir 'Rabibar '; Srijan ; 2015
- "Chotoder Natyacharcha Bidon Street SHUVAM; Rangamancha o Natok: Oitijjya o Parampara; 2016.

Smt. Nandini Ray

Assistant Professor, Department of Bengali

Articles published in books

- RABIR KIRANE LOKAYATA BHUBAN, ISBN : 978-93-82012-81-8 Title of the Article – RABINDRA DRISTIBHAGITE LOKSAMAJ Page Number: 102-105, Year – 2014

Articles published in journal

- AMI ARANI 2277-8780 II/I Madhyabitter Ekanayak Tantra 150- 155 2013
- AMI ARANI 2277-8780 III/I Rabindranather Shaishab – Granthagulite Mulyabodher Anusandhan 206- 211 2014
- AMI ARANI 2277-8780 IV/I Upendrakishorer Shishu Sahitye Lokbhasa 275- 278 2015

Dr. Subrata Purkait

Associate Professor, Department of Bengali

Books

- Anubhabe Rabindranath; Diya Publication; ISBN- 978-93-87003-00-2; April, 2018
- Loksahitye Shrenidwandwa; Pustak Bipani; ISBN- 978-81-951856-7-2; Boimela, 2022
- Sahitya Chinta : Epar Bangla Opar Bangla; Boichitra; ISBN- 978-93-92524-00-4; September, 2022
- Utsarita Aalo; Kamalini Prakashan; ISBN – 978-93-91483-33-3; November, 2022

Articles Published in Book

- Banaphuler Galpe Pratik Bhabna; Bangla Chotogalpo : Nababikkhan; ISBN-978-81-920678-9-6; 2012
- Manobatar Sadhak Rabindranath; Rabindranath Aamader Sanskritik Uttoradhikar; ISBN-978-93- 81245-11-8; 2012
- Bartomaner Aaloy Rabindranather Paribesh Bhabna : Ekti Anushandhani Path; Rabindranath Thakur; ISBN- 978-93-82549-03-1; 2012
- Banglar Probad Probachan : Jati o Shrenidwandwa; Loksanskriti Nutaner Bhabnay; ISBN-978-93- 82399-04-9; 2013
- Mastermashai : Phire Dekha; Rabindra Chotogalper Ruprekha; ISBN-978-93-80973-21-0; 2013

- Rabindranather Sikkha Bishayak Chinta o Granthagar Bhabna; Tagorean Concept on Library Activities and Services; ISBN- 978-81-923636-0-8; 2013
- Vidyasagar : Shishusahitya Bishayak Kichu kotha; Unish Shatak : Phire Dekha; ISBN-978-93-81170- 78-6; 2014
- Nari O Nagini : Naritwer Jaygan; Bangla Chotogalper Ruprekha; ISBN-978-81-8437-271-7; 2015.
- Rekard; Bangla Chotogalper Ruprekha; ISBN-978-81-8437-271-7; 2015.
- Manabatar Pratik Sunutikumar; Sunitikumar Chattopadhyay; ISBN-978-81-933615-6-6; 2017.
- Shamsur Rahaman : Kabitar aloke Manobikatar prokash; Anyo Janala; ISBN-978-93-85248-04-7; 2017.
- Krishnakanter Uil : Natun Ek Path; Bangla Upanyaser Dersho Bachar; ISBN-978-81-930138-8-5; 2017.
- Pankourir Rakto : Abodomito Ichher Bichitro Prokash; Samaj Sahitya O Samaskriti; ISBN-978-93- 87003-29-3; 2020

Articles Published in Journal

- Nabarun Bhattacharya O Tar Chotogalpo; Taby Ekalabya ; ISSN-0976-9463; 2013.
- Charar Bishaye Shrenidwandwa; Musings, ISSN-0975-8054; 2014.
- Dhandar Bishaye Shrenidwandwa; Musings, ISSN-0975-8054; 2015.
- Loksangeet : Ganojagaraner Sangeet; IJRMS, ISSN-2348-2524; 2016.
- Mahasweta Debir Chotogalpo : Prosango Mith Katha; Taby Ekalabya; ISSN-0976-9463, 2018.
- Laloner Gan : Manush Haoyar Sadhona; Taby Ekalabya; ISSN-0976-9463, 2018.
- Thakur Barir Patrika : Udbhab bikash O Parinati; Antarmukh; ISSN-2249-3751; 2018
- Sonali Kabin : Prosango Nari Prokriti O Itihas; Karubhas; ISSN-2349-8633; 2019.
- Samaresh Majumdarer Galpo : Bahumatrik Jibaner Dharapat; Shinjan; ISSN-2454-3322; 2019.
- Bibhagottar Bangladesher Upanyas : Ekti Ruprekha; Balaka; ISSN-2230-9381;2019.
- Bangladesher Muktijuddha O Muktijuddhottor Upanyase Tar Pratiphalan; Ebong Mahua; 2019.
- Kando Nadi Kando : Chetonaprobahoritir Abhinabo Prokash; Taby Ekalabya; ISSN-0976-9463, 2020. m) Gitika : Bahumatrik Dwandwer Aakhyan; Antarmukh; ISSN-2249-3751; 2020.
- Mahasweta Debit Nirbachito Chatogalpo : Prosango Nakshal Aandolan; Taby Ekalabya; ISSN-0976- 9463, 2021.
- Shaoli Mitra : Hoye Otha eh Shilpi; Taby Ekalabya; ISSN-0976-9463, 2022.
- Bangladeshe Mongalkabyer Paribeshanriti; Taby Ekalabya; ISSN-0976-9463, 2022.

Smt. Swagata Mukherjee

State Aided College Teacher, Department of Bengali

Article published in journal

- RabindranatherChotoGolperUtshomukh, in AraniPatrika with ISSN No. 2277-8780

Sri. Gopal Mondal

State Aided College Teacher, Department of Bengali

Article published in books

- 3. Bimal korer Golpe premer bohumatrikota, Sopan, ISBN No-978-93-90717-22-4, 2020

Articles published in journal

- Adhunik sahitye Madhyajuger Charitra o Anusanger punornirman: Kalkuter jyotirmoy Srichaityana, Ebong Mahuya , UGC Approved Journal, No-42327, 2019
- Birbhumer Dhormio prekkhapote Kirtan, Ebong Mahuya , UGC Approved Journal, 2020
- Bastober antrorale r ek bastobota o Itihas chetona nabin kothakar shamik ghoser: elvis o amola sundori , Ebong Mahuya , UGC Approved Journal, 2021

Dr. Subodh Mondal

Visiting Faculty, Department of Bengali

Books

- ‘জবানবন্দী’: আকালের অন্ধকারে এক আলোর দিশা, ISBN: 978-93-82094-90-6 রামকৃষ্ণমিশনবিদ্যামন্দির, ২০১৮, বিজন ভট্টাচার্য ও বাংলা নাটক (সম্পা.)
- মুক্তির বজ্রনির্ঘোষ, সুবোধ মণ্ডল, ২০২০, পাড়ি, ISBN: 978-81-937954-9-1
- বাংলাদেশের গল্প: সময়-সমাজ-রাজনীতি, সুবোধ মণ্ডল, ২০২০, পাড়ি, ISBN: 978-81-949432-8-0

Articles published in books

- সুচিত্রা ভট্টাচার্যের ‘প্লাবনকাল’: বাস্তব জীবনের গল্প, ISBN: 978-93-83816-11-8, দিসী বুক এজেন্সি, ২০১৮, সময়, সমাজ ও একালের ছোটগল্প (সম্পা.)

- শৈবাল মিত্রের ‘গোরা’ ও গণবিপ্লব, ISBN: 978-81-93795-41-5,প্রবহমান বাংলা চর্চা,২০১৯, নির্বাচিত গবেষণাধর্মী প্রবন্ধ সংকলন (৩)
- ‘আঠারো ভাটির উপকথা’: প্রান্তিক জীবনে কথা, ISBN: 978-81-949432-3-5, প্রবহমান বাংলা চর্চা, ২০২০, নির্বাচিত গবেষণাধর্মী প্রবন্ধ সংকলন(৪)
- নকশালবাড়ি কৃষক অভ্যুত্থান, নকশালআন্দোলন ও শৈবাল মিত্রের গল্প, ISBN: 978-81-937954-6-0, পাড়ি, ২০২১, বিংশ শতাব্দীর বাংলা ছোটোগল্প নির্মাণে – বিনির্মাণে (সম্পা.)
- সুন্দরবনের প্রান্তিক যুবসমাজ: বিপন্নতার দিকগুলি, ISBN: 978-93-93569-18-9, গাঙচিল, ২০২২, সুন্দরবন আবিষ্কার (সম্পা.)

Articles published in journal

- ঈশ্বরোআল্লা: সাম্প্রদায়িকতার বিরুদ্ধে এক ইতিহাস ও উত্তরাধিকার, ISSN: 2394-6431UGC Journal No: 42297, নবাবী, ২০১৯
- প্রেমেঅপ্রেমেআফসারআমেদেরগল্প, ISSN: 2394-4889, সাহিত্যঅঙ্গন, ২০২০
- কায়েস আহমেদের গল্প: বিপন্ন সময়ের কথা, ISSN: 2319-1325, চতুর্থবার্তা, ২০২১
- শৈবাল মিত্রের উপন্যাস: অসমাপ্ত বিপ্লবের সম্পূর্ণ কাহিনী, ISSN: 2319-1325, চতুর্থবার্তা, ২০২২

Dr. Bijan Kumar Mondal

Visiting Faculty, Department of Bengali

Books

- Sanghrasala O Lokshilpa, Ba-dwip Prakashini, Kolkata, 1999.
- Gurusaday Dutt: Bratachari O Sanghrasala, Gurusaday Museum Kolkata, 2014.
- Parasa Tomar [edited], Bustak Bipani, Kolkata, 2013.
- William Carey: Etihase O Sahitye, [Jointly edited] Bangiya Sahitya Samsad, Kolkata, 2019.
- Bangiya Loksanskriti Kosh, [Joint edited] Aparna Publication, Kolkata, 2000.

Articles Published in book

- Kak: Lokshilpa published in Kak-O-Sanskriti, edited by Sanatkumar Mitra, Loksanskriti Gabesana Parisad, Kolkata, 1999.

- Forty articles published in Bangiya Loksnaskriti Kosh, edited by Barunkumar Chakraborty, Aparna Publication, Kolkata, 2000.

- Loksanskriti Biswa Kosh, [one member of editorial board], Academy of Folklore, Kolkata, 2004.
- Loksanskriti Charchya Jatiyatabadmulak Matabad, published in Loksanskriticharchar Methodology, edited by Sanatkumar Mitra, Lokasanskriti Gabesana Parisad, Kolkata, 2007.
- Banlar Jarano Patachitra published in Lokaja Shilpa, edited by Barunkumar Chakraborty, Parul Prakashani, Kolkata, 2011.

- Khelar Chhada published in Bangala Chhada Parikrama, edited by Barunkumar Chakraborty, Akshar Prakasan, Kolkara, 2014.

- Parikatha published in Lokkathar Barnamala, edited by Sougata Chattapadhyay, Bangiya Sahitya Sangsad, Kolkata, 2014.

- Nabanner Ruprekha published in Lokutsab Nabanna, edited by Soumitra Shekhar, Abosar, Dhaka, Bangaladesh, 2014.

- Bangla Lokashilpe Ramayana Prasanga published in Bangabhumite Ramayana Charchar Oitihaya, edited by Anita Basu, Vivekananda Kendra Bangla Prakashan, Kolkata, 2022.

- Bratacharigram published in Thakurpukurer Itikatha, edited by Asit Ghosh, Nandanik, Kolkata, 2023

Articles published in journal

More than forty articles were published in different journals since 1989.

Dr. Subhash Chandra Mistri

Visiting Faculty, Department of Bengali

Books

- লোকায়ত সুন্দরবন-১, ISBN-9789382094869, দিয়া পাবলিকেশন, ৪৪/১ বেনিয়াটোলা লেন, কলকাতা-৭০০০০৯, বইমেলা ২০১৮
- লোকায়ত সুন্দরবন-২, ISBN-978-93-82094-75-3, দিয়া পাবলিকেশন, ৪৪/১ বেনিয়াটোলা লেন, কলকাতা-৭০০০০৯, ২৫ ডিসেম্বর, ২০১৪

- লোকায়ত সুন্দরবন-৩, ISBN-978-93-82094-97-5, দিয়া পাবলিকেশন, ৪৪/১ বেনিয়াটোলা লেন, কলকাতা-৭০০০০৯, রথযাত্রা, ২০১৬
- লোকায়ত সুন্দরবন-৪, ISBN-978-93-92110-20-7, দিয়া পাবলিকেশন, ৪৪/১ বেনিয়াটোলা লেন, কলকাতা-৭০০০০৯, মহালয়া, ১৪২৯
- দক্ষিণবঙ্গের লোকসমাজে মন্ত্র, পুস্তক বিপণি, ২৭ বেনিয়াটোলা লেন, কলকাতা-৭০০০০৯, এপ্রিল, ২০০০
- আঠারোভাটির আরণ্য নাট্য, ISBN- 9789382663911, পুস্তক বিপণি, ২৭ বেনিয়াটোলা লেন, কলকাতা-৭০০০০৯, আগস্ট, ২০১৯
- চিঠিপত্রে বাঙালি জীবন, ISBN-978-81-951856-8-9, পুস্তক বিপণি, ২৭ বেনিয়াটোলা লেন, কলকাতা-৭০০০০৯, জানুয়ারি, ২০২২
- লোকায়ত চিকিৎসা, ISBN-9789382094906, পুস্তক বিপণি, ২৭ বেনিয়াটোলা লেন, কলকাতা-৭০০০০৯, বইমেলা, ২০১৮
- সুন্দরবনের ম্যানগ্রোভ উদ্ভিদ, ISBN-978—93-82663-775, পুস্তক বিপণি, ২৭ বেনিয়াটোলা লেন, কলকাতা-৭০০০০৯, দোলপূর্ণিমা-১৪১৬
- রায়মঙ্গল, ISBN-978-81-951856-4-1, পুস্তক বিপণি, ২৭ বেনিয়াটোলা লেন, কলকাতা-৭০০০০৯, ১৫ আগষ্ট ২০২১
- সুন্দরবন ভ্রমণ, ISBN-978-81-951856-2-7, পুস্তক বিপণি, ২৭ বেনিয়াটোলা লেন, কলকাতা-৭০০০০৯, নভেম্বর, ২০২

Articles published in book

- প্রেক্ষিত নীলদর্পণ : সামাজিক বৃত্তের শেকড় অনুসন্ধান, অনুবেদন (ISBN: 978-93-83548-99-6), প্রিয়শিল্প প্রকাশন, বাংলা বিভাগ, সাউথ ক্যালকাটা গার্লস কলেজ, প্রথম প্রকাশ, নভেম্বর, ২০০১
- সুন্দরবনের জল-জঙ্গল-মাটির রসপুষ্ট বিচিত্রিত লোকগান, দক্ষিণ চব্বিশ পরগণার লোকায়ত সংস্কৃতি (সম্পা), কৃষ্ণকালি মণ্ডল,ড. অচিন্ত্যকুমার হালদার, ড. সনৎকুমার নস্কর, ড. বি. আর আম্বেদকর স্মৃতিরক্ষা সমিতি, প্রথম প্রকাশ, ১ জানুয়ারি ২০১১
- ৭৫-এর যুবককে যে ক'দিন দেখেছি, প্রত্ন-ইতিহাস ও লোকসংস্কৃতি গবেষক কৃষ্ণকালি মণ্ডল: ব্যক্তি ও সিদ্ধি (সম্পা), ড. অচিন্ত্যকুমার হালদার ও ড. সনৎকুমার নস্কর, ড. বি. আর আম্বেদকর স্মৃতিরক্ষা সমিতি, প্রথম প্রকাশ, ২৬ জুলাই ২০১২
- বীরাঙ্গনা কাব্যে জাহ্নবীর পত্রিকা, দিয়ার স্বতন্ত্র পাঠ : মধুসূদনের বীরাঙ্গনা (সম্পা), (ISBN: 978-93-82094-70-8), সান্ত্বনা চক্রবর্তী, দিয়া পাবলিকেশন, প্রথম প্রকাশ, জানুয়ারি, ২০১৩
- সারস্বত দরবারে পুনরাবির্ভাব; প্রবাদের আঙিনায়, পরশ তোমার : শ্রদ্ধার্ঘ্য (সম্পা) (ISBN: 978-93-82663-16-4), বিজনকুমার মণ্ডল, পুস্তক বিপণি, প্রথম প্রকাশ, ১৪ আগস্ট ২০১৩
- প্রেক্ষিত 'নীলদর্পণ' : সাম্রাজ্যিক বিত্তের শেকড় অনুসন্ধান, বাংলা নাটক : দেশ-কাল-সমাজ (সম্পা.) (ISBN- 978-93-82316-14-5), ড. মন্টুরাম সামন্ত, দিশারী প্রকাশনী, প্রথম প্রকাশ, ২৪ ডিসেম্বর, ২০১৩

- মধ্যযুগীয় বাংলা সমাজ ও সাহিত্যে চৈতন্য ধারা, চৈতন্যলোকে সমাজ ও সাহিত্য (সম্পা) (ISBN: 978-93-80761-41-1), অরুন্ধতী মুখোপাধ্যায় (রায়), এভনেল প্রেস, প্রথম প্রকাশ, ২৫ বৈশাখ, ১৪২১
- 'শেষের কবিতা' : উপন্যাস কবিতার জড়োয়া শিল্প; লাবণ্যের চোখে শোভনলাল; 'শেষের কবিতা'য় 'সময়' অথবা 'কাল',রবীন্দ্রনাথের শেষের কবিতা (সম্পা), (ISBN:978-93-82094-52-4), দীপঙ্কর মল্লিক, রাধেশ্যাম সাহা, সুভাষ মিস্ত্রী, দিয়া পাবলিকেশন, প্রথম প্রকাশ, জুন, ২০১৪
- মন্ত্র : অলৌকিক ছড়া, বাংলা ছড়া পরিক্রমা (সম্পা) (ISBN: 978-93-82041-17-7), বরুণ চক্রবর্তী, অক্ষর প্রকাশনী, প্রথম প্রকাশ, কলকাতা বইমেলা, ২০১৪
- 'শ্রীকান্ত : প্রকৃতির প্রকৃত রূপ, দিয়ার স্বতন্ত্র পাঠ : শ্রীকান্ত (১ম পর্ব) (সম্পা) (ISBN: 978-93-82094-67-8), দীপঙ্কর মল্লিক,রাধেশ্যাম সাহা, দেবারতি মল্লিক, দিয়া পাবলিকেশন, প্রথম প্রকাশ, সেপ্টেম্বর, ২০১৪
- মোহিতলালের আত্মভাব প্রেরণারই আত্মীয় 'কালাপাহাড়', কবিতার অন্তর্লোক (ISBN: 978-93-82251-23-1), (সঙ্কলন ও সম্পাদনা), তন্ময় বিশ্বাস ও অবিনাশ রায়, বুকস স্পেস, প্রথম প্রকাশ, জুন, ২০১৫
- হাঁসুলী বাঁকের উপকথা : রাঢ়ের আঞ্চলিক জীবন, হাঁসুলী বাঁকের উপকথা : পাঠ ও প্রতিক্রিয়া (সম্পা), রবিন পাল ও দীপঙ্কর মল্লিক, দিয়া পাবলিকেশন, প্রথম প্রকাশ, কল্পতরু উৎসব, ২০১৭
- লোকায়ত মন্ত্র— প্রসঙ্গ দক্ষিণ চব্বিশ পরগনা, জেলা লোকসংস্কৃতি পরিচয় গ্রন্থ: দক্ষিণ চব্বিশ পরগনা (সম্পা) (ISBN: 978-81-89956-82-0), জয় গোস্বামী, লোকসংস্কৃতি ও আদিবাসী সংস্কৃতি কেন্দ্র, তথ্য ও সংস্কৃতি বিভাগ, পশ্চিমবঙ্গ সরকার, প্রথম প্রকাশ, জানুয়ারি, ২০২৩
- গীতিকা লোকায়তিকতার ভূমিকা প্রসঙ্গে, ময়মনসিংহ গীতিকা ও অন্যান্য লোকসংগীত (ISBN: 978-81-957136-1-5), গ্রন্থনা ও সম্পাদনা সোসাইটি অফ বেঙ্গল স্টাডিজ, পাড়ি, প্রথম প্রকাশ, ফেব্রুয়ারি, ২০২৩
- আত্মজৈবনিক গ্রন্থ : বিনোদ বেরার শ্রেষ্ঠ কবিতা, হৃদয়ে বসত গড়ে কোন জনা (সম্পা.) (ISBN: 978-93-88866-86-6), বিশ্বজিৎ মিত্র, রোহিণী নন্দন, প্রথম প্রকাশ, কলকাতা আন্তর্জাতিক বইমেলা, ২০২৩

Articles published in journal

- আধুনিক গদ্যস্রষ্টার অগ্রজ মৃত্যুঞ্জয় বিদ্যালঙ্কার সতীদাহ প্রথা বিরোধী মত প্রকাশক প্রথম ভারতীয়, দুর্দৈব, সম্পাদক শুভম দত্ত ও সৌম্য দত্ত, তৃতীয় সংখ্যা, ২০১৬, ISSN: 2394-9090
- 'মৈমনসিংহ গীতিকা' : পত্রের ব্যবহারিক তাৎপর্য, তবু একলব্য, সম্পাদক দীপঙ্কর মল্লিক, গীতিকা বিশেষ সংখ্যা, ১৩ বর্ষ, ২০১৮, ISSN:0976-9463, UGC Peer-Reviewed – 42318
- বাংলার বাউল : একটি সংক্ষিপ্ত পর্যালোচনা, বাউল, বিশেষ সংখ্যা, তবু একলব্য, সম্পাদক দীপঙ্কর মল্লিক, ১৩ বর্ষ, ৩য় সংখ্যা,অক্টোবর-ডিসেম্বর, ২০১৮, ISSN:0976-9463, UGC Peer-Reviewed – 42318
- বিনোদ বেরা সত্যই 'বিনোদ', বনানী, সম্পাদক অধীরকৃষ্ণ মণ্ডল, কবি বিনোদ বেরা সংখ্যা, কবি বিনোদ বেরার কাব্যভূমি, দ্বিতীয় সংখ্যা, প্রকাশ কাল, অক্টোবর-মার্চ, ২০২০-২০২১, ISSN-2581-9828

Dr. Arnab Sadhukhan

Visiting Faculty, Department of Bengali

Articles published in books

- Mudran Yuge Boishnab Padabali Sampadana, Baishnab Sahitya Punaralachana On Abamulyayan / Satyabati Giri And Sanat Kumar Naskar Edited, ISBN — 978-93-83016-65-5, 2015
- Unabinsha Shatabdir Bangla Puthi Sampadana, Diya Publication, ISBN — 978-93-5281-453-4, 2020
- 'Pakdandi'r Paake Paake, Atmakatha O Smriti-Akhyaner Lipimala/ Uday Chand Das And Baisakhi Chakraborti Edited/Diya Publication, ISBN — 978-93-92110-55-9, 2023

Articles published in journal

- Kabikankan Mukunder Abhayamangak Kabye Byabahrita Lok-Upadan, Madhyayuger Bangla Sahitya Gabeshana Patrika/ Satyabati Giri And Sanat Kumar Naskar Edited, 2004

- Adhunik Bangla Kabitaay Biddhrita Lok-Upadan, Prabandha Sanchayan / Satyabati Giri And Samaresh Majumder Edited, 2006

- 'Maluya' Gitikay Samaj, Tabu Ekolabya 33, ISSN—0976-9463, 2018
- Puthi, Vidyamandira Patrika 2018-2019, ISSN—2321-9076, 2019
- Sampradayikata Banaam Asampradayikata— Muktipather Dut Kabir O Laalan, Vidyamandira Patrika 2023, ISSN—2321-9076

Dr Malayendu Maiti

Assistant Professor, Department of Defence Studies

Article published in a book

- " SAMAR BIGYAN ", Edited by Flying Officer Dr Malayendu Maiti (1st Edition 2009 ; 2nd Edition 2013) This Book is Registered by " Office Of The Registrar Of Publications, West Bengal"

Smt. Nivedita Dutta

State Aided College Teacher, Department of Education

Article published in a journal

- International Journal Of Multidisciplinary Educational Research ISSN: 2277-7881,VOLUME- 12, Jan- 2023 Title: MOOD DISORDER AMONG STUDENT AT ADOLESCENT PERIOD IN 21ST CENTURY
- Multi- Disciplinary Modern Research, ISBN- 978-81959134-1-1, Book Chapter Title- TEACHERS' AND STUDENTS' ATTITUDE TOWARDS USING OF ICT

Sri. Chiranjit Halder

State Aided College Teacher, Department of Education

Article published in a journal

- C. Halder, G. Paul, A. Jana, A. Paul, A study on the relationship of socioeconomic status with wellbeing of different professional groups, Journal of Research in Humanities and Social Science, Volume 8 , 11(2020): 01-08

Smt. Purbita Garai

Assistant Professor, Department of English

Articles published in a book

- "Value and Peace in the 21st Century"in Art, Culture and Ethics in the Perspective of Indian Education. Edited by Santanu Sen. Published from Kolkata by Simurali Sachinandan College of Education in 2015.Page no. 259-263. Mode of publication: Print. ISBN-978-81-922902-7-0
- "Women Education and Swamiji"in Educational Thoughts of Swami Vivekananda: Indian and Global Perspective. Edited by Sarmila Das. Published from Kolkata by Simurali Sachinandan College of Education in 2015. Page no. 143-147. Mode of publication: Print. ISBN-978-81-922902-8-7
- "Multiplicity and Liminality of Nationhood: A Reading of the Novels of Firdaus Kanga."in Explorations Literary And Cultural. Edited by Aparna Singh. Published

from Kolkata by Paschimbanga Anchalik Itihas O Loksanskriti Charcha Kendra in 2018. Page no. 99-104. Mode of publication: Print. ISBN 978-81-934244-8-3

Articles published in a journal

- "Monophobia and Kamala Das: A Close Survey of Her Poems" The Looking Glass", "Spoiling the Name" and "The Old Playhouse" in Journal of KnowledgeVol.3.No. 8. Year of publication:2015.Page no. 105-109. Mode of publication: Print. ISSN 2321-791X
- "Patriarchy and Sarojini Naidu's Poems: A Review through the Lenses of " Village Song", "If You Call Me" and Caprice in " Journal of Educational ThoughtsVol.2 No.6 .Year of publication: 2015.Page no.143-147.Mode of publication: Print.ISSN-23481714
- ”Sexuality and Emancipation: Women in the Plays of Vijay Tendulkar and Girish Karnad." in Research Journal of English Language and Literature .Vol.3.Issue1 of 2015 .Page no.147-153. Mode of publication: Online.Web.http://www.rjelal.com/3.1.15.html ISSN 2321-310

Sri. Arijit Mukherjee

Assistant Professor, Department of English

Article published in a book

- The paper entitled “Moderationist Peacock” has been published in Text and Theory: Reading and Re-readings, ISBN- 978-93-82630-41-8
- The paper entitled “Beyond the Counter Canon: Issues of New Indian Fictions” has been published in Outside The British Canon: Reading Literatures from Former European Colonies, ISBN- 978-93-82630-52-4

Articles published in journal

- The paper entitled “A Protean Discourse: Addiction and the Neo-colonial Way of the World”, co-authored, has been published in Sambalpur Studies of Literatures and Cultures, ISSN-2231-5616
- The paper entitled “Alcohol is Not Injurious to Health: The Dichotomy between ‘On Screen’ and ‘Off Screen”, co-authored, has been published in Netaji Nagar Journal of English Literature and Language, ISSN:2320-4109.
- The paper entitled “It’s All Lying There: Lying as Violence in Upamanyu Chatterjee’s English August” has been published in Literary Confluence: A Global Journal of English and Cultural Studies, ISSN- 2349-6509

Smt. Kusumita Datta

Assistant Professor, Department of English

Article published in a journal

- The paper entitled "A Protean Discourse: Addiction and the Neo-colonial Way of the World", co-authored, has been published in Sambalpur Studies of Literatures and Cultures, ISSN-2231-5616
- The paper entitled "Alcohol is Not Injurious to Health: The Dichotomy between 'On Screen' and 'Off Screen", co-authored, has been published in Netaji Nagar Journal of English Literature and Language, ISSN:2320-4109.
- The paper entitled "It's All Lying There: Lying as Violence in Upamanyu Chatterjee's English August" has been published in Literary Confluence: A Global Journal of English and Cultural Studies, ISSN- 2349-6509
- The 'Through-Other' Aesthetics of Counter-Nationalism in G. B. Shaw's John Bull's Other Island Lapis Lazuli - An International Literary Journal 3, no.1 pp. 1-9. (Spring Issue -Special Issue on Modern European Drama) (2013) (ISSN 2249-4529).
- Spatial Protest: A Critique of Assimilation Tactics in Tom Paulin and Seamus Heaney Literary Quest: An International Journal of English Language of English Language and Literature 1, issue 3 pp. 18-32.(Aug 2014) (ISSN 2349-5650)
- The Farcical and the Magical: Ghost(ly) Re-Workings in J.M. Synge and Seamus Heaney New Academia: An International Journal of English Language Literature and Literary Theory 3, issue 3 pp. 1-13 (Jul 2014) (ISSN 2347-2073)
- Minimal Morning and Aspirant Nationalism: The 'Hamlet' Motif in Seamus Heaney Symposium: Shakespeare, Journal of the Department of English, St. Paul's Cathedral Mission College, Kolkata (Dec 2015) (ISSN 2320-1452)
- Witness poetry and Seamus Heaney Middle Flight – SSM Journal of English Literature and Culture 4, no. 1 pp. 295-307. (Jul 2015) (ISSN 2319-7684)
- Spatiality of Failed Migrations in James Joyce's 'Eveline' and Brian Friel's Philadelphia Netaji Nagar Journal of English Language and Literature 4 pp. 152-161.(2016) (ISSN 2320-4109)
- Widows of Rising and Conflict: The Easter Widows of Ireland and the Half-Widows of Kashmir Newsletter 7, Women's Studies Centre, Lady Brabourne College. pp. 107-115. (March 2016) (ISSN 2395-299)
- Kashmir and its Storytellers Muse India Issue 71. (Jan-Feb 2017) (ISSN 0975-1815)
- Painting-Whitewashing: Liminal Memories of the Martyr in the Mural Literature of Ireland Caesurae: Poetics of Cultural TranslationVol. 2: 1 pp. 56-65.(Special Issue on Myth and Narrative) (Jan 2017) (ISSN 2454 -9495)
- Living the Borders: Partition Narratives in Ireland and Kashmir Journal of Advanced Studies 4, no. 1 pp. 54-66. (April 2018) (ISSN No.2394-7241)
- Post-9/11 Digital Martyrdom- Digital Ephemera of Ireland and Digital Protest Movement of Bangladesh, Literature and the War on Terror: Nation, Democracy and Liberalisation, Taylor & Francis (Feb 2023)

- '"Age In Love: Loves Not To Have Years Told": Narratives Of Chronological Age, Generational Contract And Geriatric Care In Romeo And Juliet Adaptations' in Sukhendu Das (ed.) Shakespeare and the Cultural Politics of Gerontology, Cambridge Scholars Publishing, Newcastle, UK, forthcoming 2019)

Dr. Parul Chatterjee

Associate Professor, Department of History

Articles published in book

- ChaitanyaPorikramaProsonge Rabindranath, Rabindranath AmaderSanskritikUttoradhikar, edited by Dr. Anita Saha and Dr. Sushanta Kumar Samant 2012, ISBN 978-93-81245-11-8
- HajarChurashirMaa- EkNariSatta, Maa: Onuvobe o Onudhyane, 2015, ISBN 978- 93-85248-28-
- "JelavittikNareeItihashChorcha – ProsongeBardhaman" published in book "SamajikUttoradhikarerBohumatrikSwarupSondhan" edited by Nilanjana Chakraborty. July, 2018. ISBN 978-93-87602-37-3.
- "Gautam Buddha, the Hero and the Blessed One" published in book "TenoTaktenoBhunjita" edited by SanskritaBivag. January, 2018. ISBN 978-81-930138-2-3.
- "Indian Muslium Women: Their Role in Freedom Struggle" published in book "The Challenges of Modern India" edited by Md. RejaAhammed and Amalesh Kumar Pradhan. January, 2018. ISBN 978-1-365-74958-2.
- Swami Vivekanada: the Teachings on Practical Vedanta, published in 'Swami Vivekananda :Society and New Ideas', ISBN 978-93-84505-03-5, 2015, Corpus Research Institute, Jadavpur University, 2016

Articles published in journal

- "British Forest Policy and the Tribal Community in Bengal" submitted to be published in the Department of Economics, Raja N. L. Khan Women's College, currently in press.
- Agnikanya Sarala Devi – Samhita, Annual Magazine, Raja N.L. Khan Women's college, West Midnapore, 22.08.2005
- Sarala Devi Chadhurani- Gaane o Rone- Srijon, SaradSankalan, 1413, editor prof. LakshmanKarmakar, 2006
- British SannidhyeBhudevMukhopaddhaya- Aj o Annwesan, PrabandhaPatrika Annual Sankalan, Oct 2006

- AjkerSamajeBhudebMukhopadhayay- Samhita, Annual Magazine, Raja N.L. Khan Women's college, West Midnapore, 22.08.2006
- SipahiBidroheBanglarTatkalinProtikriya- Samhita, Golden jubilee celebration annual magazine, Raja N.L. Khan Women's college, 22.08.2007
- Problems of Women: Hazarat Muhammad and the Quran- in souvenir of National Seminar sponsored by UGC in the dept. of Philosophy, Raja N.L.Khan women's college, 9-10 Aug 2007. The topic of Seminar was Women and Applied Ethics.
- Women and Politics- Samhita, Annual Magazine, Raja N.L.Khan women's college, 22.08.2008
- NutanManashikatay Fire Dekha O Muslim MohiladerNabaJagaran, Eksathe, Choitro 1416, 2009
- BharatborsherAnginayAlokitoBiswerKobi Rabindranath, Eksathe, Kartik 1417, 2010
- LokSahitterAnginay Muslim Konya, Corus (Little Magazine), NabamZilla Book Fare 2010
- Himalaya theke Kanyakumari: Poribrajak Vivekananda in Ananyo Vivekananda (book), PaschimBanga College and Teachers' Association, West MidnaporeZilla Committee 1418, 2011
- SamajBiplobeAjanaAnamniBidushi Muslim Mahila (in the District of Burdwan), read out in the National Seminar and conference of PaschimBangaItihashsamsad on 26.01.2012 and then published in ItihashOnusandhan, 2013 xi. HridiBrindabone in Purbo 2012, ISSN- 2229 6344
- Napoleon Bonaparte- the Icon of France, Samhita, Annual Magazine, Raja N.L.Khan women's college, West Midnapore 22.08.2015 viii. JatiyotabaaderProbokta: Sarala Devi Chawdhurani o BharatiPatrika, Srijon (journal) ISSN- 2278-8689, (SharadSonkolon 1422), 2015
- "Swami Vivekananda and Youth Movement in India", CLIO (, An Annual Interdisciplinary Journal of History, CORPUS Research Instituion, Vol: 15, ISSN-0976-075X CLIO, January- December 2015

Smt. Madhuri Bhattacharya

Assistant Professor, Department of History

Articles published in books

- Chapter in Book: Scientific Mind of Aroj Ali Matubbar Name of the Book: Pondering the Past Vol: II. ISBN-978-93-88207-00-3 Editor: Dr. Aparajita Dhar & Dr. Sutapa Sengupta Page No: 293-302 Yea: r2018
- Scientific Mind of Aroj Ali Matubbar, Name of Book Edited-Pondering the Past Vol II, 2018, ISBN-978-93-88207-00-3
- Aroj Ali Matubbar: The Humanist Philosopher of 20th Century Bangladesh, Name of Edited Book-Perspectives on Culture and Cognition, 2019, ISBN 978- 93-88432-16-0
- The formation of a Bengali Muslim Identity through Literary Activities in the 1st half of 19th Century, Name of Edited Book-Reappraising the Partition of India, 2019, ISBN-978-93-82623-89-2

Articles published in journal

- Kazi Abdud Odud: The Propagator of Renaissance Among the Bengali Muslims, Education Research and Analysis, 2348-571X, International Peer reviewed Interdisciplinary Journal, Yr-2015
- Title of the Paper: Scientific Approaches to Some Religious Practices: Contribution of Aroj Ali Matubbar" Name of the Journal: Journal of Advanced Studies (Peer-Reviewed) ISSN 2394-7241 Vol no.: Vol II, no. II Year- 2016
- Folk Rationalism and Islam: Contribution of Aroj Ali Matubbar, International Journal of Research and Analytical Reviews, 2019, E-ISSN-2348-1
- BangaliMusalmanSamajePragatishilota: Nazrul O Buddhir Mukti AndolonerDayitwa, Ebong Mohua, UGC Care Listed Journal, February, 2021

Dr. Susanta Kumar Bhowmick

Assistant Professor, Department of History

Articles published in book

- Kolkata Betarer Shruti Sahitoo(1927-2002) (Vol-28, Page-889-895, Year-2014, ISBN978-81-910874)
- Betare Bigyaponer Itibritto (Kanailal Chattopadhyay edt. Itihas Anusandhan, vol.17) Paschimbanga Itihas Samsad, Kol,2017, P-619-626, ISBN 978-81-910874-82
- A Brief History of Radio News in Bengal in Dr. Arnab Kumar Banerjee (ed) Media Teaching, 2016, P362-367, ISBN: 978-93- 81669-84-6, Rupali Publisher

Articles published in journal

- "Science movement in West Bengal and AIR, Kolkata" Proceedings of 9th WB State Science & Technology Congress, Santiniketan, p.32 (2002)

- "Backward castes and AIR", Proceedings of 2nd WB Social Congress, Hooghly, 3. 133 (2002)
- "The role of AIR , Kolkata to spread health consciousness" Proceedings of 10th WB State Science & Technology Congress, Midnapore, p.71 (2003)
- "History of Betar Jagat in post –independence West Bengal" , published in the volume: Paschimabanga: Phire Dekha, p. 147 (2003)
- "The role of AIR, Kolkata in the development of Agriculture of Bengal" Proceedings of 9th WB State Science & Technology Congress, Bidhannagar, p. 199 (2004)
- "Family , Society and State", Proceedings of 2nd WB Social Congress, North Bengal, p. 77 (2004).
- Antebasi O Akashbani Kolkata in 'Antebasi : Somaj, Sonskriti O Unnoyon', Kolkata: Bharati Printing Works, 2004
- 'Rabindranath O Akashbani Kolkata' , in Itihas Anusandhan - 19 Kolkata : Paschimbanga Itihas Samsad, 2005
- Betar Nataker Bibartan O Banglar Srotara(Itihas Anusandhan Vol-24, Page-505,Year2006,ISSN-978-819108-74-1-3)
- Sangeeter Itihase Akashbani Kolkatar Bhumika(Itihas Anusandhan,Vol-25, Page-682, Year-2007,ISSN-978-819108-74-1-3)
- Onno Bisnupur : Dakshin 24 Porgonar Bishnupurer Itihas, in Itihas Anusandhan - 22 Kolkata : Paschimbanga Itihas Samsad, 2008
- Rabindranather Drishtidane Drishtipat(Tagore and Communications: From Page to Stage, Year-2012,ISSN-978-93-8166-9-21-1)
- Boi Prakash O Dakshin 24 parganar Granthagarer Itihas(Managing The Book Publishing Industry, 2014, Page-19-23, Pubd by U.G.C. & Vivekananda College)
- History of Yuvavani of Akashvani Kolkata in Santanu Banerjee (ed.) Education Research and Analysis, Vol.2, Issue 1-2, 2015
- Itihaser Aloke Banglar Naree O Akashbani in Itihas Anusandhan – 30.Kolkata : Paschimbanga Itihas Samsad, 2016
- Calcutta Football, Akashbani and Bengali Nostalgia, 90 Minutes, Vol 1, Issue-3, 2009, 87-94
- Swadhinota–Uttar Poschimbange Betar Jogoter Itibritto in Rahul Ray(ed) , Paschim Banga:Fire Dekha, Hugli : Pratiti Publication

Sri Alok Mondal
Assistant Professor, Department of History

Articles published in journals

- Biplabi Samajtantri Dal : Udbhaber Otihasik Prekhapot.Itihas Anusandhan , Vol. 25 , Paschimbanga itihas Samsad, pp 371-176,2011.

- Anusilon Samity o Rabindranath ,Rabi Esona, Behala College, PP 197-99, 2011.

- Bissito Biplobi Radhabollav Gope(1897-1983), Itihas Anusandhan , Vol. 26 , Paschimbanga itihas Samsad, pp 385-389,2012.

Smt. Parama Biswas

State Aided College Teacher, Department of History

Articles published in books

- Title of the Paper: Bangler Songramshil Jatiotabadi Andolone Bhagini Nivedita. Name of the Publisher: Paschimbanga Ancholik Itihas o Loksanskriti Charcha Kendra ISSN: 2394-5737 ISBN : 978-81-926316-2-2 Year : 2015 Status : State
- Title of the Paper: Shikhika Niveditar Nana Analokito Dik : Bidyaloyer Barshik Report Ebong Chatrider Smiticharonai Lipibodhho. Name of the Publisher: Paschimbongo Itihas Samsad ISBN : 978-81-910874-7-5 Year : 2016 Status : National
- Title of the Paper:Shikha o Samaj Kalyane Broti Dui Nari Bhagini Nivedita O Bhagini Sudhira: ekti Tulonamulok Mulyayon. Name of the Publisher: Paschimbongo Itihas Samsad ISBN : 978-81-910874-8-2 Year : 2017 Status : National

Articles published in journal

- Title of the Paper: Pravrajika Bharatiprana : Oitihya o Adhunikatar Melbondhoner Dishari. Name of the Publisher: Paschimbanga Ancholik Itihas o Loksanskriti Charcha Kendra ISSN:2394-5737 ISBN : 978-81-926316-4- 6 Year : 2016 Status : State
- Title of the Paper: A School With Mission : Assesing Sister Nivedita's Exceptional Contribution Towards Bengali Women's Education. Name of the Publisher: Institite of Historical Studies. ISSN : 0033-5800. Year: 2017. Status : International.
- Title of the Paper: Muslim Nariskikhar Bikase Begum Rokeya Sakhawat Hossaioner Shikkhachinta O Shikkhonoi Pathokrom : Ekti Tulonamulok Aalochona. Name of the Publisher: Itihas Academy, Dhaka. ISSN : 2074- 8663 . Year: 2019 Status : International.

Smt. Nilanjana Patra

Visiting Faculty, Department of History

Articles published in books

- "Nari, Noitikota o PitritantrikSomaj: ElokeshiHotyakandoEbong TarProtikriya" in BanglarPuratotto: Itihas o Sahitya Probondhomala, Vol.4, 2021,pp.251-255, ISBN: 978-81-947292-5-9.

Articles published in journals

- "Deshvag, Swadhinota o Nari: PaschimbangaVittikPorjalochona" in Perspectives, Dept. of History, University of Calcutta, Vol.10, 2016, pp.24-38.

- "UnishShotokiyoSomajeNijoObosthanSomporke Bongo NarirAtmochetona:Atmojiboni o Smiritikatha" in International Journal of Humanities and SocialScience Studies (IJHSSS), Peer-Reviewed Bi-monthly Bi-lingual ResearchJournal, Vol,7, Issue 3, May 2021, pp. 34-42. ISSN: 2349-6959 (Online), 2349-6711(Print).

- "OuponibeshikShashonerAvighat: Natok o ProhosoneBidhobaBibahaAinerProtikriya o Bongonari" in Tabu Ekalabya, UGC approved International Peer-Reviewed Research Journal on Arts and Humanities (UGC Care ListedJournal), 26th Year, 42nd Sonkhya, 2021, pp. 646-653, ISSN: 0976-9463.

- "Unobingsho Shotabdir Aini Songoskar Bongo Mohila Somajer Protikriya: Prosongo Bidhoba Bibaha Ain" in Pratidhwani the Echo,APeer-Reviewed

- International Journal of Humanities and Social Science, Vol.IX, Issue- IV, July,
- 2021, pp. 156-163, ISSN: 2278-5264 (Online), 2321-9319 (Print).

- "হিন্দু বিধবা বিবাহ আইন (১৮৫৬) ও তার মূল্যায়ন : সমকালীন পত্রপত্রিকা ও সরকারি নথিভিত্তিক বিশ্লেষণ" - ইতিহাস এসনা , সিদ্ধার্থ গুহ রায়
- "Impact of Covid-19 on education system: a case study of West Bengal"- Impact of covid-19 on Indian economy: a multi dimensional study

Smt. Jayasmita Roy

Visiting Faculty, Department of History

Articles published in book

- TusuGaneSwadhinatarParaborti Dui Dashaker Samaj Chitra" In BanglarPuratatwa: Itihas O Sahitya Probondhomala -4 (Part 1) Published by BanglarPuratatwaGabesanakendra, Feb,2021 ISBN: 978-81-947292-5-9

- "Questioning the Idea of Inclusive Growth: A Case Study of Dwariyapur Dokra Art" published in 'Tourism & Travel Industry in the Twenty-First Century: An inclusive approach in Understanding History, Heritage, Culture, Economy & Politics' edited by Gautam Mukhopadhyay and Ankan Purkait published by Ramakrishna Mission Vidyamandira, Belur Math, April 15, 2022. ISBN: 978-81-951186-3-2
- 'Kebalmatro Mohiladiger janyo' – Oupanibeshik parber patrapatrika o tar bigyapan: published in Itihash Anusandhan 36 published by Paschimbanga Itihash Samsad, Feb, 2023 ISBN: 978-81-956544-6-8 (Nalini Prabha Ghosh Sriti Purashkar Prapto)

Articles published in journal

- "Bangla prabadenarirbhabmurti" Itihas O Sanskriti; Vol. 5; Part 2; September 2019
- Kolkata: PAIOLCK; ISSN 2394-5737

- "Swadeshi Juger Bijyapan: Koushal O Kushali" Itihas O Sanskriti; Vol. 6; Part 2; 2020
- PaschimbangaAnchalikItihash O Loko-SanskritiCharcha Kendra ISSN 2394-5737
- "MukhoserAraleSanskriti" published by Mukut (Digital Patrika)

- "Narir Kalame, Nijer Katha" published in Adyapeath Matripuja Sharadiya Sankha1429(Bangabda), published by Dakhineswar Ramkrishna Sangha Adyapeath, Ashwin 1429(Bangabda)
- "Bharater Jatiya Chetana Nirman a Bhagini Niveditar Shilpobhabna" published in Adyapeath Matripuja -1428(Bangabda), published by Dakhineswar Ramkrishna Sangha Adyapeath, Magh 1428 (Bangabda)

Sri. Dhrubajyoti Ghosh

State Aided College Teacher, Department of Journalism and Mass Communication

Articles published in book

- Community Radio- A Critique of Democratization of Communication Through Paradigm Shift, Rupali Publication in Media Teaching, ISBN: 978-93-81669-846, 2016

Sri. Arnab Mondal

State Aided College Teacher, Department of Journalism and Mass Communication

Articles published in journal

- Representation Of Partition Discourse In Ritwik Ghatak's Film, Durdaiba (ISSN: 2394-9090)

Dr. Madhumita Datta

Associate Professor, Department of Philosophy

Books

- Samaykal- Corporate E Meyera, 4th Volume, 2009, D.M. Memo No. 215
- Rabi Eso Na- Geetanjali O Rabindranath, 2012
- Mythology & Iconography of Ganesa; RMIC, Kolkata, 2012, (ISBN 978-93-81325-19-3) Indology in cloud 9
- Ganesa Episode in Sculpture& Iconography, Sanjay Prakashan,New Delhi,2012, (ISBN 978- 81-7453-407-1),p.103
- Fire Dekha Smarok Grantha- Jege Ache Ekjon, 2014, ISBN 978-81-295-2180-4
- Fire Dekha Smarok Grantha- Ashok Mitra Er Sakhyatkar, 2014, ISBN 978-81-295-2180-4
- The Art of Warfare in Ancient India (with special reference to Dhanurveda) , Avenel Press, 2021(ISBN 978-93-90873-20-3)
- The Art of Warfare in Ancient India, 2021, ISBN:978-93-90873-20-3, AVENEL PRESS
- Logical Reasoning & Application (Western), Avenel Press,2022 (ISBN 978-93-94744-08-0)
- Nirbachito Bharatiya Darshonik : Mahatma Gandhi, Avenel Press,2022 (ISBN 978-93-90873-74-6)
- Bharatiya Darshan Parichay, Avenel Press, December 2022 (ISBN 978-93-94744-46-2), Pratham Khanda

Articles published in book

12. Swami Vivekananda: A Pioneer of Nationalism & Man-Making : Some Indian Thoughts on Nation,Nationalsm & Beyond, 2016 (ISBN 978-93-80736-02-0),p.74

Articles published in journals

- Iskra- Prothom Surya, 2012, ISSN 4348-62-79
- Karukatha- Manabik Canvas, 2012, ISSN 98-2003
- Purbasha Ekhon- Smriti Pote, 2012, ISSN 2278-5779
- Guerrilla Warfare in Ancient India; Kalyan Bharati, Journal of Indian History & Culture,Vol.XVIII, 2014,(ISSN 0976-822),p.108
- The Being of Asi;Journal of Advanced Studies,Vol I, 2015 (ISSN 2394-7241) ,p.34

Dr. Shreya Mitra

Assistant Professor, Department of Philosophy

Articles published in book

- The role of education in promoting culture/Emerging trends in multidisciplinary subjects in research (Vol. II), 2021, ISBN 978-93-91479-85-5, Red'shine publication Pvt. Ltd.
- Emerging Trends In Multidisciplinary Subjects For Research (VOL II), 2021, ISBN : 10 : 93-91479-85-5 ,Red'shine publication Pvt. Ltd.

Dr. Bishnupriya Roy Choudhury

Assistant Professor, Department of Political Science

Articles published in book

- In South Asia And Democracy : Contextualisin g Issues And Institutions; D. Mitra And D. Nandy (Eds), ISBN-978-93- 82420-87-3 A Chapter, “A Shroud Over The Emerald Isles: Fragmented Federalism And The EthnoNational Crisis In Sri Lanka”;

Articles published in journal

- ‘IndiaPakistan Security Dilemma and the Prospects for an Integrated South Asian Regional Community’ JAIR Journal of International Relations Vol.1, Issue- 2, July- Dec, ISSN 32-45 NO. 2348- 7496, 2014
- Through A Looking Glass: Envisioning A New Direction for the SAARC”; Journal of Advanced Studies; Vol.2, No.1, 55-60 ISSN-2394-7241. March 2016;

Smt. Thendu Doma Bhutia

Assistant Professor, Department of Political Science

Articles published in book

- In South Asia And Democracy : Contextualisin g Issues And Institutions; D. Mitra And D. Nandy (Eds), ISBN-978-93- 82420-87-3 A Chapter, "A Shroud Over The Emerald Isles: Fragmented Federalism And The EthnoNational Crisis In Sri Lanka";
- Women and Social Media: Situating Women in the Virtual World Sumbul Nasim ISBN-978-93- 93878-48-9 Women under the Spectrum of Social Media 2022

Articles published in journal

- Reservation System in India: An Analysis Journal of Advanced Studies Volume no 1, pg-82- 86 ISSN-2394- 7241, 2015
- Representation of Women in the Local Bodies in India: Socio Cultural Constraints Education, Research and Analysis Volume no.4 pg-22- 26 ISSN-2348- 571X, 2017

Smt. Paramita Chattopadhyay

Assistant Professor, Department of Political Science

Articles published in book

- Liberalism in International Relations : A Theoretical Perspective/Theories, Societies, Politics, 2021, ISBN 978-93-90873-80-7, Avenel Press

Smt. Debarati Bhattacharya

Associate Professor, Department of Sanskrit

Articles published in journal

- LokayataBhabnarBistar : Shastrathekesahitye . "AMI ARANI", 3rd year; 2nd issue , September 14, ISSN-2277-8780
- DebaBhasarEKANORERA : " AMI ARANI", 4th year; 1st issue, ISSN-2277-8780
- AranyaSamrakshaneArsthsastra : Journal of Advanced studies , January2015; Vol 1; Section B; P-117-122;ISSN-2394-7241
- RigvederBiswamata-Aditi. " AMI ARANI", 4th year; 2nd issue, ISSN-2277- 8780
- Angabhasa; SanskritaSahityaparimandale ,AbhigyanasakuntalamitiNatake Cha , Published in Departmental Journal of Dibrugarh College, Assam .