

Personal Profile

1. Name of the faculty: Dr. Kakoli Mukherjee
2. Name of the Department: Physics
3. Educational qualifications: M.Sc, Ph.D
4. Present position : Assistant professor, Grade-3
5. Address for correspondence: 221, Dum Dum Road, Charuvilla, Kol-74
6. E-mail and contact number: kakolim.2008@gmail.com, 9831027090
7. Specialization: Spectroscopy
8. Total teaching experience: 20 yrs.
 - i. Courses taught: UG 1st, 2nd, and 3rd year in (1+1+1) system (till 2021).
UG semester- 1,2,3,4,5 and 6 in CBCS system. (from 2019)
9. Research experience: 5 yrs for Ph.D, At present continuing 3 yrs .
10. Minor research projects completed: Title of the project, Date of sanction and Duration, Grant received, Funding agency. Pl or Co-Pl. Title of the project: MULTIFRACTAL ANALYSIS OF VARIOUS PHYSIOLOGICAL NON STATIONARY TIME SERIES, Date of sanction : 15/12/16
Duration: 25/4/17 to 24/4/19. Grant received: Rs. 95,000/- .
Funding agency: UGC.
11. Participation in conferences, symposia and workshops: International, national, state or university level, attended. Presented paper, chaired session. Resource person.- Name of paper, organiser, name of conference, date, year.
 1. Attended International Seminar organized by Dept. of Political Science, Economics, History and Bengali of Behala College on 10th and 11th January, 2019.
 2. Organized National seminar by the Dept. of Physics, Behala College on 15th and 16th February, 2019.
 3. Participated one day workshop on CBCS Physics syllabus organized by bangabasi College on 7th May, 2018.
 4. Attended Mock Parliament Conference organized by Dept. of Political Science, Behala College on November, 2017.
12. Refresher and Orientation courses attended:
 1. Orientation Programme: organized by ACS, C.U, May 30 to June 25, 2005.
 2. Refresher course: organized by ACS, C.U, July 13 to August, 01, 2009.
 3. Refresher course: organized by ACS, C.U, July 05 to July 24, 2010.
 4. Refresher course: organized by ACS, C.U, July 07 to July 26, 2014.

5. UGC sponsored Short Term Course organized by HRDC, J.U. , 19th February to 25th February, 2019.
 6. UGC sponsored Short Term Course organized by HRDC, J.U. , 12th September to 18th September, 2019.
13. Publication of research papers: in peer reviewed journals, non-peer reviewed journals, conference proceedings, impact factors, citations, h-index. Numbers in SCOPUS. – Name of paper, Journal name, Vol. no., Page number, year.

List of publication:

International

1. Structure of an Antimalarial Alkaloid, Jatrorrhizine by R.Ghosh, K. Mukherjee and P. Roychowdhury . Acta Cryst(1993) C49, 1665-1667.
2. Disodium μ -(Ethylenediaminetetraacetato-N,O,O':N',O'',O''')-di- μ -oxo-bis{oxomolybdate(v)}(Mo-Mo) Tetrahydrate by K.Mukherjee and P. Roychowdhury. Actacryst.(1995) C51, 32-34.
3. N-Benzenesulfonylglycylglycine, (I) and Tetrakis (μ -N-Benzenesulfonylglycylglycinato)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, $\text{Na}_4[\text{Ti}(\text{C}_7\text{H}_4\text{O}_3)_3]_2 \cdot 11\text{H}_2\text{O}$ 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

National

1. Amazing Graphene in Nanoworld by K. Mukherjee, JAS, ISSN 2394 -7241, Vol1 January,2015
2. Multifractal behavior of non-stationary time series by K.Mukherjee, JAS, Vol1- , 2017.
3. Books:
 - (i) Methodology of small molecule structure determination.
by Dr. Kakoli Mukherjee,
Power Publishers, ISBN no. 978-93-85524-26-4
 - (ii) A Handbook of Waves & Optics. by Dr. Kakoli Mukherjee, Power Publishers,
ISBN no . 978-93-87852-90-7
 - (ii) Practical Physics: Semester II by Dr. Kakoli Mukherjee, Power Publishers,
ISBN no . 978-93-87855-51-9

14. Conferences, seminars, symposia and workshops organized as convener/coordinator:

1. Faculty development programme on PYTHON . May, 2019.