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: <u>kakolim.2008@gmail.com</u>, 9831027090

7. Specialization: Spectroscopy

8. Total teaching experience: 20 yrs.

i. Courses taught: UG 1st, 2nd, and 3^{rd} 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 $7^{\rm th}$ 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 056 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.
- 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. 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 -N-Benzezesulfonylglycylglycinato)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, $Na_4[Ti(C_7H_4O_3)_3]_2.11H_2O$ 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

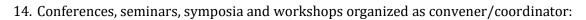
National

- 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, Vol. , 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



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