- Name: Dr. Namrata Saha
- Date of Birth: 05.06.1989
- Date of Joining: 28.02.2019
- Teaching Experience: 4 Years 8 months
- Brief Introduction: I am a Faculty in Chemistry since February, 2019. I am busy with under graduate teaching and doing research in Material Science. My thrust areas of teaching are Organic Chemistry, Medicinal Chemistry, Polymer Chemistry, Green Chemistry, Bioinorganic, Organometallic Chemistry. I am also involved in teaching Environmental Studies.
- Biography: I have been completed B.Sc Honours in Chemistry from Kalna College under Burdwan University in 2010 and M.Sc from Bengal Engineering & Science University, Shibpur in 2012. I have secured 1$^{st}$ class 1$^{st}$ position in M.Sc. I have obtained Ph.D. degree in April, 2019 from Indian Institute of Engineering Science and Technology, Shibpur under the supervision of Prof. Bibhutosh Adhikary, Department of Chemistry. My Ph.D. title was . "**STUDIES OF SOME MORPHOLOGICALLY TUNED MOLYBDENUM BASED BINARY AND TERNARY METAL SULPHIDES AND THEIR CATALYTIC APPLICATIONS**".

  I have been appointed as a Guest Lecturer of Chemistry at Balagarh Bijoy Krishna Mahavidyalaya in 2019. After that I have appointed as SACT-I on the basis of the Memorandum of Department of Higher Education, Govt. of West Bengal.
- Academic Activities/Duties: Examiner of B.Sc. Examinations (General and Honours) of Chemistry in the University of Burdwan University.

- Teaching Area: Organic Chemistry, Medicinal Chemistry, Polymer Chemistry, Green Chemistry, Bioinorganic, Organometallic Chemistry, Environmental Studies
- Administrative Experience(s): I am holding few administration positions in my college which are listed below:

  (i) Co-ordinator of the Department of Chemistry & ENVS

  (ii) Convener of ERP & ICT Developments & Digitalization Committee ,

  (iii) Member of:

  (iv) Admission and Registration/ Enrolment in Burdwan University Committee

  (V) Examination Committee

  (vi) Academic Committee

  (vii) Social & Cultural Committee

  IQAC Committee
- Research Experience and Topic: Ph.D. "**STUDIES OF SOME MORPHOLOGICALLY TUNED MOLYBDENUM BASED BINARY AND TERNARY METAL SULPHIDES AND THEIR CATALYTIC APPLICATIONS"**
- Academic Memberships:
- Social Contribution: NA
- Honour/ Prize / Award: (i) 1st class 1st Award in M.Sc.
  (ii) DST Inspire Fellowship

➢ Publication Details:

| Serial No. | Title | Book/Journal | ISBN/ISSN | Whether UGC-Care Listed or Peer Reviewed | Published By | Date of Publication |
|---|---|---|---|---|---|---|
| 1. | Colorimetric estimation of human glucose level using α-Fe2O3 nanoparticles: An easily recoverable effectivemimic peroxidise. | Biochem. Biophys. Res. Commun | ISBN: 978-93-80736-97-6 | UGC-Care Listed And Peer Reviewed | ELSIVER | 2014 |
| 2. | Single source precursor approach to the synthesis of Bi2S3 nanoparticles: A new amperometric hydrogenperoxide biosensor. | Sens. Actuators, B | ISBN 978-81-93795-41-5 | UGC-Care Listed And Peer Reviewed | ELSIVER | 2014 |
| ;. 3. | Enhanced photocatalytic activity of Eu-doped Bi2S3 nanoflowers for degradation of organic pollutants undervisible light illumination. | Catal. Sci. Technol, | ISBN:978-93-88857-18-5 | UGC-Care Listed And Peer Reviewed | ELSIVER | 2015 |
| 4. | Solvent assisted and solvent free orientation of growth of nanoscaled lanthanide sulfides: tuning ofmorphology and manifestation of photocatalytic behavior. | RSC Adv. | ISBN 978-81-937954-6-0 | UGC-Care Listed And Peer Reviewed | RSC | 2015 |
| 5. | Highly active spherical amorphous MoS2: facile synthesis and application in photocatalytic degradation ofrose bengal dye and hydrogenation of nitroarenes. | RSC Adv. | ISSN:0976-9463 | UGC-Care Listed And Peer Reviewed | RSC | 2015 |
| 6. | Morphological tuning of Eu2O2S nanoparticles, manifestation of peroxidase-like activity and use in glucose assay. | . New J. Chem, | ISSN:2395-325X | UGC-Care Listed And Peer Reviewed | RSC | 2016 |
| 7. | Enhanced photocatalytic performance of morphologically tuned Bi2S3 NPs in the degradation | J. Colloid Interface Sci. | ISBN:978-93-84816-89-6 | UGC-Care Listed And Peer Reviewed | ELSIVER | 2022 |

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| | of organicpollutants under visible light irradiatio. | | | | | |
| 8. | Observation of enhanced photocurrent response in M–CuInS2 (M = Au, Ag) heteronanostructures: phaseselective synthesis and application | New J. Chem | ISSN:2456-4184 | UGC-Care Listed And Peer Reviewed | RSC | 2017 |
| 9. | Single source precursor driven phase selective synthesis of Au - CuGaS2 heteronanostructures: an observationof plasmon enhanced photocurrent efficiency. | Dalton Trans | ISSN:2580-8002 | UGC-Care Listed And Peer Reviewed | RSC | 2018 |
| 10. | Advanced catalytic performance of amorphous MoS2 for degradation/ reduction of organic pollutants in bothindividual and simultaneous fashion. | Ecotoxicology and Enviornmental safty | ISBN:978-93-95387-03-3 | UGC-Care Listed And Peer Reviewed | ELSIVER | 2018 |
| 11. | Newly Designed Amperometric Biosensor for Hydrogen Peroxide and Glucose Based on Vanadium SulfideNanoparticles | ACS Appl. Nano Mater | | UGC-Care Listed And Peer Reviewed | ACS | 2018 |
| 12. | Facile Fabrication of Novel Heterostructureed Organic-Inorganic High Performance Nonanocatalyst: ASmart System for Enhanced Catalytic Activity TowardsCiprofloxine degradation and Oxygen Reduction | ACS Appl. Nano Mater, | | UGC-Care Listed And Peer Reviewed | ACS | 2018 |
| 13. | Nanomechanical behaviour of green ceramics: $Mg(OH)_2$ and MgO | Ceramics International | | UGC-Care Listed And Peer Reviewed | ELSIVER | 2022 |

- Paper Presentation Details:

| Serial No. | Title | Organized By | Date | Online/Offline |
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