FACULTY MEMBERS' ACADEMIC PROFILE

1. **Name of the Faculty member: DR. DIPANWITA MAJUMDAR**
2. **Designation: ASSOCIATE PROFESSOR (W.B.E.S.)**
3. **Qualification: M.Sc., Ph.D.**
4. **Specialization: Inorganic Chemistry/ Materials Chemistry**
5. **E-mail address: wbesdmajumdar@gmail.com /wbesdmkgc@gmail.com**
6. **Date of Joining in W.B.E.S.: 28.05.2009**
7. **Date of Joining in this College: 16.09.2025**
8. **Total Teaching experience at the college level: More than 16 years**
9. **Research interests: Application of Materials Science towards Environemntal remediation , Electrochemical energy storage devices- supercapacitors/ batteries/ supercapatteries, and allied systems.**
10. **Title of thesis (Ph.D.) with year: "Electronic and optical properties of organic nanostructures." (2011)**
11. **Research guidance: Collaboration with Jadavpur University and The University of Burdwan and various other International Academic Collaborations**
12. **Research Projects (Completed and ongoing): UGC-MRP (2014-2016)**
13. **List of publications:**

A) Published papers in Journals:

1. **Mechanism of Ultrasonic Energy-Assisted Formation of V-, Y-Shaped Nano-Structures in Conjugated Polymers.**
   DipanwitaMajumdar, R. P. Maiti, S. Basu, and S. K. Saha; J. Nano Sc. & Nanotech. **9** (2009) 6896. https://doi.org/10.1166/jnn.2009.1483 **[I.F.=1.556]**

2. **Observation of microwave plasmons in one-dimensional conjugated polymer chain.**B Mondal, **DipanwitaMajumdar**, A Ghosh and S K Saha; Appl. Phys. Lett. **94** (2009) 183109. https://doi.org/10.1063/1.3124653 (Appeared in Virtual J of Nanoscience & Nanotechnology). **[IF= 3.5]**
3. **Graphene quantum sheet: A new material for spintronic application**.S. K Saha, M.

Baskey, **DipanwitaMajumdar.** Adv. Mater. **22** (2010) 5531, https://doi.org/10.1002/adma.201003300 (Appeared as Research Highlights in **NPG Asia Materials) [IF=**27.4**]**

4. **Observation of ferroelectric response in conjugated polymer nanotubes.** **DipanwitaMajumdar**and S K Saha; Appl. Phys. Lett., **96** (2010) 183113 (Appeared in Virtual J of Nanoscience & Nanotechnology). **[IF= 3.5]** **https://doi.org/10.1063/1.3425894**
5. **Poly(3-hexylthiophene) nanotubes with superior electronic and optical properties.DipanwitaMajumdar**and S K Saha; Chem. Phys. Lett., **489** (2010) 219. **[IF=2.8]** **https://doi.org/10.1016/j.cplett.2010.03.017**
6. **Synthesis of single crystalline micron-sized rectangular silver bar.** B Mondal, **DipanwitaMajumdar**and S K Saha; J. Mater. Research. **25** (2010) 383. **[I.F=1.815]. doi: https://doi.org/10.1557/JMR.2010.0054 , ISSN: 0884-2914 (Print), 2044-5326 (Online)**
7. **Epitaxial growth of crystalline polyaniline on reduced graphene oxide.DipanwitaMajumdar**, M. Baskey and S. K. Saha, Macromol. Rapid Commun. **32** (2011) 1277. **[IF= 4.2].**https://doi.org/10.1002/marc.201100292
8. **Scope of Inclusion of Nanotechnology in UG and PG courses in India** **DipanwitaMajumdar**, Academic J. Aureole, **3** (2011) 114. [ISSN0976-9625]. (UGC APPROVED)
9. **Graphene and its composites as "supercaps".**

DipanwitaMajumdar, Academic J. Aureole **4** (2013) 11. [ISSN0976-9625]. (UGC APPROVED)

10. **Reduced Graphene Oxide: An Efficient Supercapacitor Material.**

DipanwitaMajumdar, Academic J. Aureole **5** (2014). [ISSN0976-9625].(UGC APPROVED)

11. **Charge Transport in Polypyrrole Nanotubes.**

DipanwitaMajumdar, S.K.Saha, J. Nanosci. Nanotechnol. 15, 9975-9981 (2015). **[I.F.=1.556]**

12. **Graphene-MnO_2 composite as Electrocatalyst for Oxygen Reduction Reactions.** **DipanwitaMajumdar,** Acad. J Aureole Vol 6&7 (1), (2015-16) 31-37. [ISSN: 0976-9625]. (UGC APPROVED)
13. **Microwave-assisted synthesis of Mn_2O_3 porous balls as bifunctional electrocatalyst for oxygen reduction and evolution reaction.**

Srabanti Ghosh; Prasenjit Kar; Nimai Bhandary; S. Basu; Samim Sardar; Thandavarayan Maiyalagan; **DipanwitaMajumdar**, Swapan Bhattacharya, Asim Bhaumik; Peter Lemmens, Samir Pal **Catal. Sci. Technol.6(2016)**, 1417-1429https://doi.org/10.1039/C5CY01264C **[I.F.= 4.4]**

14. **Hydroxy functionalized Graphene: A Proficient Energy Storage Material,** **DipanwitaMajumdar**and Sujata Pal, J Fundam. Renewable Energy Appl., **6**, 209 (2016). [ISSN: 2090-4541 JFRA]DOI: 10.4172/2090-4541.1000209

15.**Sonochemically Synthesized Beta-Cyclodextrin Functionalized Graphene Oxide and its Efficient Role in Adsorption of Water Soluble Brilliant Green Dye.** **Dipanwita Majumdar,** J Environ Anal Toxicol **6**,5(2016)**. [I.F=2.3][ISSN: 2161-0525].** https://doi.org/10.4172/2161-0525.1000402

16**. Graphene-Polyaniline nanocomposites as Proficient Energy Storage Material-An Overview.**

DipanwitaMajumdar, Innovative Energy & Research**5**:2 (2016) [I.F=2.49] https://www.omicsonline.org/open-access/functionalizedgraphenepolyaniline-nanocomposites-as- proficientenergy-storage-material-an-overview-.php?aid=82559

17. **Synthesis, Characterization and Electrochemical Study of Hydroxy-Functionalized Graphene/MnO_2 Nanocomposite.**

Dipanwita Majumdar, and Swapan K Bhattacharya Materials Today Proceedings **3,** 3872-3878 **(2016)**. [ISSN: 2214-7853] https://doi.org/10.1016/j.matpr.2016.11.043

18**.Ultrasound assisted formation of reduced graphene oxide-copper (II) oxide nano-composite for energy storage applications.**

DipanwitaMajumdar, Nirmal Baugh, and Swapan K Bhattacharya, Colloids and Surfaces A: Physicochem. Eng. Aspects **512,** 158–170 (2017) https://doi.org/10.1016/j.colsurfa.2016.10.010[I.F.=4.9],

19.**Sonochemically synthesized hydroxy-functionalized Graphene–MnO_2 nanocomposite for supercapacitor applications.**

DipanwitaMajumdar & Swapan K Bhattacharya J Applied Electrochemistry(Springer) 47:789–801 (2017), first online May 2017 DOI 10.1007/s10800-017-1080-3 [IF=2.9]

20. **Functionalized Graphene-MnO_2 nanocomposite in Fuel Cell Applications**

DipanwitaMajumdar, Asian Journal of Science and Technology, 8(3), 4394-4398 (2017).https://www.journalajst.com/sites/default/files/issues-pdf/3894.pdf **ISSN: 0976-3376 [I.F=6.315, 2016]**

21. **Detoxification of Heavy Metal ion-contaminated Drinking Water by Green Technology - A Short Overview**

DipanwitaMajumdar Current Green Chemistry 2017, 4, 38-44. ISSN: 2213-347X (Online) ISSN: 2213-3461 (Print).http://dx.doi.org/10.2174/2213346104666170517161018 [IF = 1.1]

22. **"Proficiency of Graphene Oxide in Adsorption and Removal of Methylene Blue from Water: An Overview"**

DipanwitaMajumdar Asian Journal of Chemical Science 1, (2017), 1(editor invited.) https://www.pulsus.com/scholarly-articles/proficiency-of-graphene-oxide-in-adsorption-and-removal-of-methylene-blue-from-water-an-overview-3843.html

23**. Anodic Oxidation of Butan-1-ol on Reduced Graphene Oxide -Supported-Pd-Ag-Nanoparticles/ Nanoalloy for Fuel Cell Applications**

Ankita Mahajan, Senjuti Banik, **Dipanwita Majumdar** and Swapan Kumar Bhattacharya,ACS omega 2019, 4 (3), 4658-4670. https://doi.org/10.1021/acsomega.8b03561 [IF= 4.1]

24. **Temperature Control Synthesis of Platinum Nanoparticle-Decorated Reduced Graphene Oxide for Electrocatalytic Oxidation of Methanol**

Senjuti Banik; Ankita Mahajan; Apurba Ray; **DipanwitaMajumdar**; Sachindranath Das; Swapan Kumar Bhattacharya, FlatChem, 2019, 16, 100111, https://doi.org/10.1016/j.flatc.2019.100111 [IF =5.9]

25. **Engineering of Gadolinium-Decorated Graphene Oxide Nanosheets for Multimodal Bioimaging and Drug Delivery**

Nitya Chawda, Mainak Basu, **Dipanwita Majumdar**, Raju Poddar, Santosh Kumar Mahapatra, and Indrani Banerjee, ACS Omega 2019 4 (7), 12470-12479. https://doi.org/10.1021/acsomega.9b00883[IF= 4.1]

26.**Synthesis of novel biopolymer based hybrid hydrogel nanocomposites –A unique energy storage device**

Arindam Giri, Rahul Bhowmick, **Dipanwita Majumdar**, Swapan Kumar Bhattacharya, Mahammad Ali;International Journal of Biological Macromolecules 123 (2019) 228–238. https://doi.org/10.1016/j.ijbiomac.2018.11.010 [IF=7.7]

27.**Preparation, Characterization and Physicochemical studies of copolymer of Poly(aniline-co-3-nitroaniline)**

Umesh S Waware, Abdel Magid Hamouda, **Dipanwita Majumdar**Polymer Bulletin, 2019, 1-20. https://doi.org/10.1007/s00289-019-02957-y [IF=3.1]

28.**Optimization of physico-chemical and dielectric features in the copolymers of aniline and 2-aminophenol.**

Umesh Somaji Wawarea, A.M.S. Hamouda, **Dipanwita Majumdar**, Polymer Bulletin 2019, 76 (11), 5603-5617.https://doi.org/10.1007/s00289-018-2668-4[IF=3.1]

29.**A Review on V_2O_5 and Its Carbon-Based nanocomposites as Supercapacitor Electrode Materials**

Dipanwita Majumdar, Manas Mandal and Swapan Kumar Bhattacharya,ChemElectroChem 2019, 6, 1623.https://doi.org/10.1002/celc.201801761[IF=4.4]

30.**Recent progress in ruthenium oxide-based composites for supercapacitor applications**

Dipanwita Majumdar, T Maiyalagan, Z Jiang, ChemElectroChem 6 (17), 4343-4372. https://doi.org/10.1002/celc.201900668 [IF=4.4]

31.**An Overview on Ruthenium Oxide Composites – Challenging Material for Energy Storage Applications**

Dipanwita Majumdar. *Mat. Sci. Res. India*, 15(1), 30-40 (2018). ISSN: 0973-3469, http://dx.doi.org/10.13005/msri/150104

32. **Journey from supercapacitors to supercapatteries: recent advancements in electro-chemical energy storage systems**

Dipanwita Majumdar, M Mandal, SK Bhattacharya, Emergent Mater. 3,347–367 (2020) https://doi.org/10.1007/s42247-020-00090-5 [IF=4.8]

33.**Recent progress in copper sulfide based nanomaterials for high energy supercapacitor applications**

DipanwitaMajumdar, Journal of Electroanalytical Chemistry, 2021, 880, 114825 https://doi.org/10.1016/j.jelechem.2020.[IF=4.6]

34. **Recent advancements of copper oxide based nanomaterials for supercapacitor applications**

Dipanwita Majumdar, S Ghosh, Journal of Energy Storage, 2020, 101995 [IF=8.9]

35. **Review on Current Progress of MnO_2-based Ternary Nanocomposites for Supercapacitor Applications**

Dipanwita Majumdar, Chemelectrochem, 2021, 8, 291.doi: https://doi.org/10.1002/celc.202001371

[IF=4.4]

36. **Role of MXenes/Polyaniline Nanocomposites in Fabricating Innovative Supercapacitor Technology**.

Dipanwita Majumdar. Advanced Energy Conversion Materials 2022, 3(1):30-53.Available from: https://doi.org/10.37256/aecm.3120221148

37. **Prospects of MXenes/graphene nanocomposites for advanced supercapacitor applications ,** Kinsuk Das, **Dipanwita Majumdar**, Journal of Electroanalytical Chemistry, 905,2022,115973,ISSN 1572-6657, https://doi.org/10.1016/j.jelechem.2021.115973[IF = 4.6]

38. **Recent Developments of Methanol Electrooxidation Using Nickel-based Nanocatalysts**

D Majumdar, SK Bhattacharya, ChemistrySelect 2022, 7 (40), e202201807, https://doi.org/10.1002/slct.202201807 [IF = 1.9]

39. **Room Temperature Synthesis of Perovskite Hydroxide, MnSn(OH)6: A Negative Electrode for Supercapacitor**

Manas Mandal, Krishna Chattopadhyay, Malay Chakraborty, Wonjae Shin, Kamal Kanti Bera, Sujit Chatterjee, Akbar Hossain, **Dipanwita Majumdar**, Arup Gayen, Changwoon Nah, Swapan Kumar Bhattacharya Electronic Materials Letters 2022, 18 (6), 559-567, https://doi.org/10.1007/s13391-022-00366-4 [IF = 2.4]

40. **Graphitic Carbon Nitride (g-C3N4): A Proficient Electrode Material for Flexible Supercapacitors**

Rudra Sarkar, Munmun Mondal, **Dipanwita Majumdar,**Advanced Materials Science and Technology 2023, 5 (2),https://doi.org/10.37155/2717-526X-0502-3

41. **Nano-biopesticide formulation comprising of silver nanoparticles anchored to Ocimum sanctum: a sustainable approach to pest control in jute farming**

A Ghosh, **Dipanwita Majumdar**, H Biswas, A Chowdhury, S Podder, Scientific Reports 2025, 15 (1), 3414, https://doi.org/10.1038/s41598-025-87727-9 [IF= 3.8]

42. **"Comparative Photoelectrochemical Study of Oligomeric s-Heptazines Nanomaterials Derived from Partial Thermal Decompositions of Urea & Thiourea Precursors"**

Anupam Chowdhury, **Dipanwita Majumdar**, Moisilee Dutta, Swapan Bhattacharya, Materials Today Catalysis, 10, 2025, 100112 https://doi.org/10.1016/j.mtcata.2025.100112

43. **"Spinels-Structured Cobalt-Based Transition Metal Mixed Oxides (MCo_2O_4): Evolutionary Materials for Advanced Supercapatteries"**

Dipanwita Majumdar, Moisilee Dutta, Rituparna Mondal J Solid State Electrochem (2025). https://doi.org/10.1007/s10008-025-06314-0 [I.F. =2.6]

B) Books &Book Chapters:

1. **Dipanwita Majumdar** and R. Sarkar, (2024). ***Fullerenes and Its' Derivatives: Marvels in Supercapacitor Technology.*** In: Gupta, R.K. (eds) NanoCarbon: A Wonder

Material for Energy Applications. Engineering Materials. Springer, Singapore. https://doi.org/10.1007/978-981-99-9931-6_14,Print ISBN 978-981-99-9930-9, Online ISBN978-981-99-9931-6

2. **Dipanwita Majumdar** and Munmun Mondal ***Chapter 12: Two–dimensional Molybdenum Disulphide-based Materials: Synthesis, Modification and Applications in Supercapacitor Technology*** *in the book: ADVANCED MATERIALS FOR ENERGY PRODUCTION, CONVERSION AND STORAGE (Taylor and Francis) Ed. S Thomas et.al,*https://www.routledge.com/Materials-for-Energy-Production-Conversion-and-Storage/Johnson-M-Salim-Thomas/p/book/9781032313047#, ISBN 9781032313047

3. **Dipanwita Majumdar**, Padma Sharma, Niki Sweta Jha ***3D-Printed MXenes for Supercapacitors*** Publication date 2023/4/18 in the Book 3D Printing: Fundamentals to Emerging Applications ,Edited ByRam K. Gupta Pages 249-262 Publisher CRC Press.https://doi.org/10.1201/9781003296676, eBook ISBN9781003296676

4. H T Das and **Dipanwita Majumdar*****Liquid Electrolytes for Supercapacitors*** Authors Publication date 2022/6/16 Source Handbook of Energy Materials. Springer, Singapore. Pages 978-981-16-4480-1 Publisher Springer, https://doi.org/10.1007/978-981-16-4480-1_22-1, Print ISBN 978-981-16-4480-1, Online ISBN978-981-16-4480-1

5. **Dipanwita Majumdar**, Swapan Kumar Bhattacharya (2022) ***Polymer Electrolytes for Supercapacitor Applications*** Authors Publication date 2022/6/28 Book Polymers in Energy Conversion and Storage Pages 13-61 Publisher CRC Press, eBook ISBN9781003169727

6. **Dipanwita Majumdar**, (2022) ***Application of Microbes in Synthesis of Electrode Materials for Supercapacitors.*** In: Inamuddin, Ahamed M.I., Prasad R. (eds) Application of Microbes in Environmental and Microbial Biotechnology. Environmental and Microbial Biotechnology. Springer, Singapore. https://doi.org/10.1007/978-981-16-2225-0_2 Print ISBN978-981-16-2224-3, Online ISBN978-981-16-2225-0

7. Srabanti Ghosh, and **Dipanwita Majumdar**, (2021). ***Chemical Synthesis of Conducting Polymers Nanostructures.*** In Conjugated Polymer Nanostructures for Energy Conversion and Storage Applications, S. Ghosh (Ed.). https://doi.org/10.1002/9783527820115.ch22021Print ISBN:9783527345571 |Online ISBN:9783527820115 |DOI:10.1002/9783527820115

8. **Dipanwita Majumdar** (2021). ***Aqueous Electrolytes for Flexible Supercapacitors***. In Flexible Supercapacitor Nanoarchitectonics (eds Inamuddin, M.I. Ahamed, R. Boddula and T. Altalhi). https://doi.org/10.1002/9781119711469.ch13, Print ISBN:9781119711452 |Online ISBN:9781119711469 |DOI:10.1002/9781119711469

9. **Dipanwita Majumdar**, (2021) ***Chapter 26, Polyaniline Nanocomposites: Innovative Materials for Supercapacitor Applications- PANI Nanocomposites for Supercapacitor Applications*** (pages 579-612) IN TH BOOK Research Anthology on Synthesis, Characterization, and Applications of Nanomaterials, Information Resources Management Association (USA)ISBN13: 9781799885917|EISBN13: 9781799887362https://www.igi-global.com/book/research-anthology-synthesis-characterization-applications/271734

10. **Dipanwita Majumdar**, (2019), Book Chapter: ***Polyaniline as Proficient Electrode Material for Supercapacitor Applications,*** in Polymer Nanocomposites for Advanced Engineering and Military Polymer Nanocomposites for Advanced Engineering and Military Applications, Edt. Noureddine Ramdani IGI Global publishers.pp190-219. DOI: 10.4018/978-1-5225-7838-3.ch007

11. **Dipanwita Majumdar**, (2019),Book Chapter:***Polyaniline Nanocomposites: Innovative Materials for Supercapacitor Applications,*** in Polymer Nanocomposites for Advanced Engineering and Military Polymer Nanocomposites for Advanced Engineering and Military Applications, Edt. Noureddine Ramdani IGI Global publishers.pp 220-253 DOI: 10.4018/978-1-5225-7838-3.ch008

12. **Dipanwita Majumdar**, (2019) Book Chapter:***Ultrasound-assisted synthesis, exfoliation and functionalization of graphene derivatives***in the Book Edition Graphene Functionalization Strategies. Carbon Nanostructures. Springer, Singapore. Khan A., Jawaid M., Neppolian B., Asiri A. (eds) https://doi.org/10.1007/978-981-32-9057-0_3

13. Subhajit Ghosh, Madhushree DasSarma, **Dipanwita Majumdar** and Swarup Manna, (2019),***Chemistry In Laboratory***-B.SC.-SEM-I-VI-HONS, by Santra Publications Pvt. Ltd. [ISBN= 978-93-86911-77-3]

14. Sujata Pal, **Dipanwita Majumdar**, (2016) Book Chapter:***"Adsorption and Removal of Soluble Methylene Blue Dye from Water by Sorbefacient Graphene Oxide".*** pp

19-27." In the Book Title "Modern Trends in Chemical Sciences" Edited Dr. Kamala Mitra, [ISBN: 978-93-83010-31-8].

15. Dipanwita Majumdar (2013) Book Chapter: ***"Nanopesticides: A Challenging Domain of Current Research"*** in the book : *"Green Chemistry and Sustainable Agriculture Practices: A Step towards a better future*", Edited by Tanmoy Chattopadhyaya and Biplab Bhowmik Published by MS Academic in collaboration with Panchkot Mahavidyalaya, Purulia [ISBN No: 978-81-921697-3-6].

C) Conference Proceedings/Oral and poster presentations/Workshops attended

2009: Oral Presentation: At Lady Brabourne College (Kolkata) on "Formation Dynamics of V- and Y-shaped Polyaniline nanowires".
2011: Oral Presentation: At IACS on "Ferroelectric Response in Conjugated Polymers".
2011: Poster presentation: At SreeGopal Banerjee College, Bagati, Mogra, Hooghly, West Bengal on "Epitaxial Growth of Single Crystalline Polyaniline on Reduced Graphene Oxide to grow High Quality P-N Junction".
2012: Workshop: At IIT Bombay on "Frontiers of Excellence in Photovoltaic Science and Technology".
2013: Oral Presentation:At Panchkot Mahavidyalaya, Purulia. ON THE TOPIC "Nanopesticides : A Challenging Domain of Current Research" by D Majumdar 2013.
2015: Poster presentation: National Symposium at Indian Chemical Society on "Synthesis, Characterization and Comparative Electrochemical Studies of Graphite-Copper (II) Oxide and Graphene Oxide-Copper (II) Oxide composites."on 1-2nd August, 2015.
2015: Poster presentation: NANOS 2015- International conference being organized by GITAM University during December, 14th to 17th, 2015 on the topic "Synthesis, Characterization and Comparative Electrochemical Studies of Graphite-Copper (II) Oxide and Reduced-Graphene Oxide-Copper (II) Oxide composites."
2016: Poster presentation: At Department of Chemistry, Burdwan University from 4-6th February, 2016 at Burdwan on the topic "Role of beta-cyclodextrin-functionalized graphene oxide in removal of organic-dye water pollutants."
2016: Poster presentation: ICMRA 2016-"Synthesis, Characterization and Electrochemical Study of Hydroxy-Functionalized Graphene/MnO2 nanocomposite" from 11-13th March, 2016 at CMR Technical Campus, Hyderabad.
2016:Oral Presentation***:*** ICNBL2016 at NIT Srinagar from 25-29th May 2016 on Synthesis, Characterization and Electrochemical Study of Hydroxy-Functionalized Graphene/MnO2 nanocomposite".
2016: Poster presentation National Conference at Bethune College "Tuning of Charge TransportProperties in Polypyrrole Nanotubes" by Dipanwita Majumdar
2016: Poster presentation National Conference at Bidhannagar College, Salt Lake on 15-16th September, 2016 (to be held)
2016: Poster presentation National Conference at Sarojini Naidu College for Women, Dumdum on 29-1st October, 2016 (to be held).
2016: Poster presentation National Conference at*UGC-Sponsored two day National Seminar on "Modern Trends in Chemical Sciences" on 25-26th November, 2016 in collaboration with the Department of Chemistry, Narasinha Dutt College at Prasanta Chandra Mahalanobis Mahavidyalaya on the topic*"Adsorption and Removal of Soluble

Methylene Blue Dye from Water by Sorbefacient Graphene Oxide" by Sujata Paland Dipanwita Majumdar .
2017: Workshop: (RBPT Level 1) jointly organized by *COESME, IISER Pune, (IIT) Gandhinagar, Department of Biotechnology (DBT), Government of India; and Newton Bhabha Fund of the British Council and conducted by University of Sheffield, which is scheduled to be held on and from 10th-13th December, 2017 at Indian Institute of Technology (IIT) Gandhinagar, Gujarat*
2018*:* Poster Presentation: "Recent Advancements of RuO2/Functionalized-Graphene Composites for Supercapacitor Applications" by Dipanwita Majumdar in RA2M -2018 at Haldia Institute of Technology, Haldia.
2019*:*Poster Presentation: *Supercapacitors to Supercapatteries: Renaissance in Electrochemical Energy Storage Systems*by Dipanwita Majumdar *in ICAN-2019, AVM-IIITM, Gwalior, 27-29 Jan.2019*
2019*: Oral Presentation: Supercapacitors To Supercapatteries: Renaissance In Electrochemical Energy Storage Devices*in*ICETSD-2019, Govt. College of Engineering & Leather Technology, Kolkata*
2020: Poster Presentation: *Role Of Electrolytes In Enhancing The Voltage Window Of Flexible Supercapacitors*, ICBS-2020, Heritage Institute of Technology, Kolkata.

14. Membership of Learned Societies/ Editorial Boards, etc.:

1) Life Membership at Indian Physical Society
2) IACS Life member
3) Editorial Board member of Materials Science Research India, An International Peer-reviewed Journal, 2017-2018,2018-19

15. Patents: NIL

16. Awards:

Sl.	Year	Award Details
1	2006	Qualified in nationally competitive examination, CSIR-UGC NET - 2006, conducted jointly by Council of Scientific and Industrial Research (CSIR) and University Grants Commission (UGC), Govt. of India, 2006, December for lectureship and research fellowship. Selected for SPM interview under CSIR.
2	2007	Qualified in nationally competitive examination, GATE -2007, conducted by Indian Institute of Technology (IIT), All India Rank-12
3	2006	Qualified in nationally competitive examination, GATE -2006, conducted by Indian Institute of Technology (IIT), All India Rank-281
4	2005	Qualified in nationally competitive examination, JAM -2005, conducted by Indian Institute of Technology (IIT), All India Rank-162
5	2016	2nd best poster presentation at International Conference on Materials Research and Applications (ICMRA-2016) fom 11-13 March 2016 @ CMR TECHNICAL CAM-PUS, Kandlakoya (V), Medchal (M), RR Dist, Telangana, India-501401,(Approved by AICTE, New Delhi, Affiliated to JNTU, Hyderabad.)
6	2016	3rd Young Women Scientist paper presentation at International Conference on Nanotechnology for Better Living, 2016 jointly organized by IIT Kanpur and NIT

		Srinagar at Srinagar, J&K, India on 25-29th May, 2016.
7	2011	2011: Poster award for the presentation:Epitaxial Growth of Single Crystalline Poly-aniline on Reduced Graphene Oxide to grow High Quality P-N Junction. (UGC sponsored National Level Seminar on RECENT ADVANCES IN CHEMICAL SCIENCES AND RELATED AREAS At Sreegopal Banerjee College, Bagati, Mogra, Hooghly, West Bengal
8	2021	InSc Research Excellence Award-2021, InSc (Institute of Scholars), Bangalore, Regd. under Ministry of MSME, Govt. Of India and ISO 9001:2015 certified.
9	2021	InSc Young Researcher Award-2021 InSc (Institute of Scholars), Bangalore, Regd. under Ministry of MSME, Govt. Of India and ISO 9001:2015 certified.
10	2021	Women Researcher Award in the International Scientist Awards on Engineering, Science and Medicine by VDGOOD Professional Association
11	2023	Asia's Science, Technology and Research Awards 2023 (ASTRA 2023) Outstanding Researcher Award in Materials Science

Google scholar profile:

https://scholar.google.co.in/citations?user=zJ5CoYQAAAAJ&hl=en

Research gate profile:

https://www.researchgate.net/profile/Dipanwita_Majumdar3

ORCHID profile

https://orcid.org/0000-0003-2220-3864

Scopus Author ID: 57200095823

17. Other notable activities:

Academic Journal Reviewer responsibilities:

Acted as Reviewer for various evaluations of manuscripts of some of the reputed journals with high IFs by ACS, Elsevier, Wiley, RSC publishers, some of which are mentioned below:

1. Advanced Energy Materials
2. Journal of Energy Storage
3. Renewable and Sustainable Energy Reviews
4. Future Batteries
5. Journal of Applied Electrochemistry, Springer
6. Journal of Power Sources, Elsevier
7. Journal of Forensic Science and Research
8. Journal of Electroanalytical Chemistry
9. Energy Technology
10. Nanomaterials and Nanotechnology

18. Participation in A) Seminars/Symposia/Conferences/Workshops:

1. One day Seminar 'Acharyya Prafulla Chandra Ray Memorial Lecture' on 30th September, 2010 organized by Dept. of Chemistry, Barasat Govt. College. . "Celebration of the International Year of Chemistry-2011", Dept of Chemistry, JU, on 24-25March 2011.
2. UGC sponsored National Seminar jointly organized by PG Dept of Botany, Barasat

Govt. College and Biological Sc. Dept., ISI, Kolkata on 14th&15th July, 2011.

3. UGC sponsored National seminar jointly organized by Chemistry Dept. of Barasat Govt. College and IACS, Kolkata on 7th& 8th Sept, 2011.
4. UGC sponsored National seminar jointly organized by Chemistry Dept. of Mahadevananda Mahavidyalaya on 14th December,2011
5. Indo-US Workshop at IIT Bombay on January15-17,2012.
6. Physical Chemistry Research: Teaching and Industrial Perspectives ,organized by Dept of Chemistry, Jadavpur University on Sept28,2013
7. National Symposium on Recent Advances in Chemistry and Industry organized by Indian Chemical Society on 01-02 August,2014
8. National Symposium on Recent Advances in Chemistry and Industry organized by Indian Chemical Society on 01-02 August,2015
9. One day symposium on Medicinal Chemistry and its perspectives, Dept of Zoology, Calcutta University on 17th November,2015.
10. One-day Seminar Organized By Higher Education Dept., Govt. of WB at Barasat Govt. College, 2016.
11. Quantum Physics and Consciousness: conducted by Bhaktivedanta Institute on 4-5th Feb, 2017
12. National Seminar on Energy Storage and Conversion (NSESC-2018)Organized by, Dept. of Instrumentation Science, Jadavpur University on 06/12/2018.

B) Orientation Programme (OP) /Refreshers' Course RC):

a. 46th Orientation Programme in the year 2012 from HRDC, The University of Burdwan
b. Refreshers Course on Nanoscience & Nanotechnology in the year 2013 from HRDC, Jadavpur University
c. Special Winter School equivalent to Refresher Course in the year 2018 from HRDC, The University of Burdwan
d. RC in Natural Science, in the year 2020 from HRDC, GOA UNIVERSITY
e. STC on Health & Stress in the year 2020 from HRDC, The University of Burdwan.