# Dr. Mehnaz Sharmin

Bangladesh University of Engineering and Technology
Department of Physics
Dhaka-1000
Bangladesh
E-mail: proggaph@gmail.com, mehnaz@phy.buet.ac.bd
Mobile: +880-1712685078
Website: https://phy.buet.ac.bd/faculty_profile/27/mehnaz-sharmin
Researchgate: https://www.researchgate.net/profile/Mehnaz_Sharmin
GoogleScholar:
https://scholar.google.com/citations?hl=en&user=WHihhj0AAAAJ


## Education:

| Name of Degree | Board/University | Year of Passing | Results |
|---|---|---|---|
| Ph. D. | Bangladesh University of Engineering and Technology | 2019 | CGPA: 3.67 |
| M. Phil. (Physics) | Bangladesh University of Engineering and Technology | 2015 | CGPA: 3.67 |
| M. S. (Physics) | University of Dhaka | 2010 | 1st Class 2nd |
| B. Sc. (Hons.) in Physics | University of Dhaka | 2009 | 1st Class 8th |
| H. S. C. | Rajshahi Board | 2002 | 1st Division |
| S. S. C. | Rajshahi Board | 2000 | 1st Division |

## Theses:

1. Ph. D Thesis: Synthesis and Characterization of Mg and Al Doped $Fe_2O_3$ Thin Films for Gas Sensing Application, December-2019
2. M. Phil. Thesis: Characterization of Boron Doped Zinc Oxide Thin Films Prepared By Spray Pyrolysis Deposition Technique, July-2015
3. M. S. Thesis: Study of Electrical and Optical Properties of Single Crystal p-Type Gallium Arsenide and p-Type Silicon, May-2010

## Work Experience

*Sept 2020 – Present* **Associate Professor**
Department of Physics, BUET, Dhaka, Bangladesh

*Apr 2016 – Sept 2020* **Assistant Professor**
Department of Physics, BUET, Dhaka, Bangladesh

*Oct 2011 – Apr 2016* **Lecturer**
Department of Physics, BUET, Dhaka, Bangladesh

*Feb 2011 – Oct 2011* **Lecturer**
Department of Basic Sciences, Primeasia University, Dhaka, Bangladesh

## Awards & Grants

| | |
|---|---|
| *March 2023* | Best oral presentation in the "Thin Films" session of National Conference on Physics-2023 organized by Bangladesh Physical Society |
| *December 2022* | Best poster paper award at 7th Conference of Bangladesh Crystallographic Association organized by Bangladesh Crystallographic Association |
| *March 2020* | Best oral presentation award in Thin Film Session International Conference on Physics - 2020 organized by Bangladesh Physical Society |
| *February 2019* | Best Poster Award for 2 posters in the National Conference on Physics, 2019 organized by Bangladesh Physical Society |
| *March 2018* | The best poster paper award at 4th International Conference on Structure, Processing and Properties of Materials 2018 organized by Bangladesh University of Engineering and Technology |
| *October 2017* | Bangabandhu Science and Technology Fellowship 2017-2018 for Ph. D. program awarded by Bangabandhu Science and Technology Fellowship Trust. |
| *March 2016* | 2 posters were selected among best 10 posters in the International conference on Physics-2016 organized by Bangladesh Physical Society |

## Skills & Activities

| | |
|---|---|
| *Skills* | Semiconductor materials, Metal oxide thin films, Spray pyrolysis techniques, Sol-gel technique, Thin film characterization. |
| *Languages* | Bengali; Bangla, English, Hindi |
| *Computer Literacy* | Applications: MS Office, Basic and advanced Graphics Programs. Operating systems: Windows 2000/XP/2007, Windows 8, Window |
| *Scientific Memberships* | Bangladesh Physical Society |
| *Interests* | Recitation, Music |

## Journal Publications:

1. Mehnaz Sharmin, J. Podder, K. S. Hossain, Substrate temperature dependence of surface morphology and structure of n-type $Fe_2O_3$ thin films with enhanced transparency, Bangladesh Journal of Physics, Vol. 30, pp. 13–22, June & December 2023.
2. S. K. Choudhury, K. H. Maria, M. A. Bhuiyan, Mehnaz Sharmin, Role of female physicists during the covid-19 pandemic in Bangladesh and their career challenges and opportunities, AIP Conference Proceeding, 3040, 050004-1–050004-3, 2023.
3. P. Datta, Mehnaz Sharmin, J. Podder, S. Choudhury, Enhancement of the structural, morphological, optical, and electrical properties of Mn doped CuO thin films via spray pyrolysis, Journal of Optoelectronics and Advanced Materials, 23(1-2), 35-42, 2023.
4. R. Rahaman, Mehnaz Sharmin and J. Podder, Band gap tuning and p to n-type transition in Mn-doped CuO nanostructured thin films, Journal Paper Journal of Semiconductors, 43(1), 012801, 2022.
5. J. Uddin, Mehnaz Sharmin, M. N. Hasan, J. Podder, Influence of Ni doping on the morphological, structural, optical and electrical properties of CuO thin films deposited via a spray pyrolysis, Journal Paper Optical Materials, 119, 111388, 2021.
6. M. K. Alam, Mehnaz Sharmin, J. Podder, Bandgap tuning in ZnO thin films and enhanced n-type properties through Mn doping synthesized by a simple spray pyrolysis, Journal Paper International Journal of Modern Physics B, 35(11):2150155, 2021.

7. P. Datta, Mehnaz Sharmin, J. Podder, S. Choudhury, Influence of substrate temperature on the morphological, structural, optical and electrical properties of nanostructured CuO thin films synthesized by spray pyrolysis technique, Journal of Optoelectronics and Advanced Materials, 23(1-2), 35-42, 2021.
8. M. A. Momin, M. A. Islam, M. Nesa, Mehnaz Sharmin, M. J. Rahman and A. H. Bhuiyan, Effect of M (Ni, Cu, Zn) doping on the structural, electronic, optical, and thermal properties of CdI2: DFT based theoretical studies, AIP Advances, 2021, 11, 055203.
9. M. Nesa, Mehnaz Sharmin and A.H. Bhuiyan, Role of Zn dopants on the surface morphology, chemical structure and DC electrical transport properties of nanostructured p-type CuO thin films, Materials Science in Semiconductor Processing, 2021, 122, 105479.
10. M. H. Babu, J. Podder B. C. Dev and Mehnaz Sharmin, p to n-type transition with wide blue shift optical band gap of spray synthesized Cd doped CuO thin films for optoelectronic device applications, Surfaces and Interfaces, 2020, 19, 100459.
11. Mehnaz Sharmin and J. Podder, Band Gap Tuning, n-type to p-type Transition and Ferrimagnetic Properties of Mg Doped α-$Fe_2O_3$ Nanostructured Thin Films, Journal of Alloys and Compounds, 2020, 818, 152850.
12. M. Nesa, M. A. Momin, Mehnaz Sharmin and A.H. Bhuiyan, Structural, optical and electronic properties of CuO and Zn doped CuO: DFT based First-principles calculations, Chemical Physics, 2020, 528, 110536.
13. Mehnaz Sharmin and J. Podder, Influence of Al Doping on the Structure and Properties of $Fe_2O_3$ Thin Films: High Transparency, Wide Band Gap, Ferromagnetic Behavior, Semiconductor Science and Technology, 2019, 34, 075033.
14. Mehnaz Sharmin and A. H. Bhuiyan, Modifications in structure, surface morphology, optical and electrical properties of ZnO thin films with low boron doping, Journal of Materials Science: Materials in Electronics, 2019, 30 (5), 4867 - 4879.
15. Mehnaz Sharmin and A. H. Bhuiyan, Influence of Substrate Temperature on the Properties of Spray Deposited Nanofibrous Zinc Oxide Thin Films, Applied Physics A, 2018,124, 57.
16. M. Nesa, Mehnaz Sharmin, K. S. Hossain and A. H. Bhuiyan, Structural, Morphological, Optical and Electrical Properties of Spray Deposited Zinc Doped Copper Oxide Thin Films, Journal of Materials Science: Materials in Electronics, 2017, 28, 12523-12534.
17. M. S. Islam, C. Das, Mehnaz Sharmin, K. M. A. Hussain And S. Choudhury, Effect of Doping Concentration on The Optical Properties of Indium-Doped Gallium Arsenide Thin Films, Journal of Bangladesh Academy of Sciences, 2016, 40(2), 179-186.
18. M. M. Rahaman, K. M. A. Hussain, Mehnaz Sharmin, C. Das and S. Choudhury, Structure, Morphology and Opto-Electrical Properties of Nanostructured Indium Doped SnO2 Thin Films Deposited by Thermal Evaporation, European Scientific Journal, 2016, 12(27), 263- 274.
19. M. Biswas, Mehnaz Sharmin, C. Das, S. Choudhury and J. Poddar, Structural and Optical Characterization of Magnesium Doped Zinc Oxide Thin Films Deposited by Spray Pyrolysis, Dhaka University Journal of Science, 2016, 64(1), 37-42.
20. Mehnaz Sharmin, S. Choudhury and T. Begum, Electrical, Optical and Structural Properties Of p-Type Silicon, Dhaka University Journal of Science, 2015, 63(1), 37-41.
21. A. Islam, C. Das, S. Choudhury, Mehnaz Sharmin, T. Begum, Structural and Optical Characterization of Vacuum Evaporated Zinc Selenide Thin Films, European Scientific Journal, 10 (15), 2014, 241-253.
22. Mehnaz Sharmin, S. Choudhury, N. Akhtar and T. Begum, Optical and Transport Properties of p-Type GaAs, Journal of Bangladesh Academy of Sciences, 2012, 36(1), 97-107.

**Conference presentations (Poster/Oral):**

1. M. J. Hosen, Mehnaz Sharmin, J. Podder, and H. N. Das, Study of structural, surface morphological, optical, and electrical properties of sol-gel deposited $MnO_2$/NiO thin films, International Conference on Physics-2024, Organized by Bangladesh Physical Society, 9 - 11 May 2024.
2. S. A. Lucky, Mehnaz Sharmin, and J. Podder, Investigation of methanol sensitivity of NiO and Mn-doped NiO thin films at ambient temperature, International Conference on Physics-2024, Organized by Bangladesh Physical Society, 9 - 11 May 2024.
3. S. A. Lucky, Mehnaz Sharmin, and J. Podder, Surface morphological, structural, and optical properties of $MnO_x$/NiO bilayer thin films, Sultan Ahmed Memorial Conference 3-4 May, 2024 at Department of Physics, University of Dhaka, Bangladesh.
4. S. A. Lucky, Mehnaz Sharmin, H. Das, and J. Podder, Surface morphological, structural, and optical properties of manganese doped nickel oxide thin films, 1st National Conference on Advances in Science and Technology, NCAST-2023, Organized by Faculty of Science, BUET, 7 - 8 December, 2023.
5. M. J. Hosen, Mehnaz Sharmin, and J. Podder, Structural, surface morphological, optical and electrical properties of nickel oxide thin film synthesized by sol–gel spin coating method, 1st National Conference on Advances in Science and Technology, NCAST-2023, Organized by Faculty of Science, BUET, 7 - 8 December, 2023.
6. A. H. Jasia, Mehnaz Sharmin, and I. N. Esha, Investigation of structural, surface morphological, electrical and optical properties of Fe-doped CuO thin films deposited by spray pyrolysis technique, 1st National Conference on Advances in Science and Technology, NCAST-2023, Organized by Faculty of Science, BUET, 7 - 8 December, 2023.
7. T. Begum, Mehnaz Sharmin, I. N. Esha and K. H. Maria, Surface morphological, structural, optical and electrical properties magnesium doped copper oxide thin films, 8th Conference of Bangladesh Crystallographic Association -2023, University of Dhaka, 24 – 25 November, 2023.
8. S. A. Lucky, Mehnaz Sharmin, and J. Podder, Structural, morphological, and optical properties of $MnO_x$/NiO composite thin films prepared by spray pyrolysis technique, 8th Conference of Bangladesh Crystallographic Association -2023, University of Dhaka, 24 – 25 November, 2023.
9. S. K. Choudhury, K. H. Maria, H. Ferdous, R. S. Islam, and Mehnaz Sharmin, Challenges for Improving the Status of Women in Physics: Insights from Bangladesh, 8th International Women in Physics Conference (ICWIP) 2023 organized by International Union of Pure and Applied Physics (IUPAP), 10 - 14 July, 2023.
10. S. A. Lucky, Mehnaz Sharmin, H. Das, M. S. Bashar and J. Podder, Structural, Morphological, Optical, and Electrical analysis of Mn-doped NiO Thin films, National Conference on Physics-2023, 09-11 March 2023, Jahangirnagar University, Savar, Dhaka.
11. R. Rahaman, Mehnaz Sharmin and J. Podder, Structural, morphological, optical and electrical properties of Co doped CuO thin films, National Conference on Physics-2023, 09-11 March 2023, Jahangirnagar University, Savar, Dhaka.
12. S. A. Lucky, Mehnaz Sharmin, H. Das, and J. Podder,Investigation of structural, electrical, and optical properties of manganese-doped nickel oxide thin films, 1st International Dhaka Science Conference for Women-2023, 15 - 16 February 2023, Dhaka.
13. R. Rahaman, Mehnaz Sharmin and J. Podder, Structural, morphological and optical properties of spray pyrolyzed cobalt doped cupric oxide thin films, 1st International Dhaka Science Conference for Women-2023, 15 - 16 February 2023, Dhaka.
14. A. Barik, A. Ahad, M.H. Babu, J. Podder and Mehnaz Sharmin, Investigation of structural, optical and electrical properties of calcium substituted barium titanate thin films for various optoelectronic applications, International Conference on Physics-2022, 19-21 May 2022, Atomic Energy Centre,

Dhaka.

15. Mehnaz Sharmin, A. H. Bhuiyan, J. Podder and K. S. Hossain, Evolution in surface properties, band gap tuning and reversal in electrical conductivity of ZnO thin films achieved via B doping, National Conference on Physics - 2021, 06-07 August 2021, (held in Virtual platform).
16. P. Datta, Mehnaz Sharmin, J. Podder, S. Choudhury, Modifications in structure and optical-electrical properties of cupric oxide thin films doped with manganese, 7th IUPAP International Conference on Women in Physics (ICWIP2020 Conference), Melbourne, Australia, 11 – 15 July 2021 (held in Virtual platform).
17. Mehnaz Sharmin, J. Podder and K. S. Hossain, Studies on the Topographical and Photoluminescence Properties of Mg Doped $Fe_2O_3$ Thin Films, International Conference on Physics-2020, 05-07 March, 2020, Atomic Energy Centre, Dhaka, Bangladesh.
18. Mehnaz Sharmin, J. Podder and K. S. Hossain, The Effect of Al on the Structural, Morphological, Topological, Optical, Transport and Magnetic Properties of $Fe_2O_3$ Thin Films, National Conference on Physics-2019, 07-09 February 2019, University of Dhaka, Dhaka, Bangldaseh.
19. W. B. Tarique, Mehnaz Sharmin and J. Podder, Structural, Morphological, Optical and Electrical Properties of ZnO/SnO2 Thin Films Synthesized by Thermal Spray Pyrolysis Technique for Optoelectronic Applications, National Conference on Physics-2019, 07-09 February 2019, University of Dhaka, Dhaka, Bangldaseh.
20. Mehnaz Sharmin and J. Podder, Effect of Al Doping on Physical Properties of Sprayed α-$Fe_2O_3$ Nanoparticle Thin Films Synthesized for Optoelectronic Applications, International Conference on Nanotechnology and Condensed Matter Physics (ICNCMP-2018), January 11- 12, 2018, BUET, Dhaka, Bangladesh.
21. Mehnaz Sharmin, M. Zahan and J. Podder, Investigation of Structural, Morphological, Optical and Electrical Properties of Spray Synthesized $Fe_2O_3$ Thin Films for Optoelectronic Applications, 4th International Conference on structure, processing and properties of materials, 1 - 3 March 2018, BUET, Dhaka, Bangladesh.
22. M. Zahan, Mehnaz Sharmin and J. Podder, Effect of Cu Doping on Morphological, Structural, Optical and Electrical Properties of $MnO_2$ Thin Films Deposited by Spray Pyrolysis Method, 4th International Conference on structure, processing and properties of materials, 1 - 3 March 2018, BUET, Dhaka, Bangladesh.
23. Mehnaz Sharmin and J. Podder, The Influence of Al Doping on the Physical Properties of $Fe_2O_3$ Nanoparticle Synthesized by Chemical Spray Pyrolysis for Optoelectronic Applications, International Conference on Advances in Materials Science and Engineering for Societal Applications, 2 - 3, March 2018, Chennai, India.
24. Mehnaz Sharmin and J. Podder, Structural, Morphological, Optical and Electrical Properties of Al:$Fe_2O_3$ Nanoparticle Thin Films Synthesized for Gas Sensing Applications, International Conference on Physics, organized by Bangladesh Physical Society, 08-10 March, 2018, University of Dhaka, Dhaka, Bangladesh.
25. M.M. Rahaman, K.M.A. Hussain, Mehnaz Sharmin and S. Choudhury, Nanostructure and Opto-electrical Properties of Temperature Dependent Indium Doped Tin Oxide Thin Films, International Conference on Physics, organized by Bangladesh Physical Society, 08-10 March, 2018, University of Dhaka, Dhaka, Bangladesh.
26. N. Biswas, Mehnaz Sharmin and J. Podder, Sol-gel Spin Coating: A Promising Technique for Preparation of Multilayer Metal Oxide Thin Films for Optoelectronic Applications, International Conference on Physics, organized by Bangladesh Physical Society, 08-10 March, 2018, University of Dhaka, Dhaka, Bangladesh.
27. W. B. Tarique, Mehnaz Sharmin and J. Podder Versatility of Spray Pyrolysis Technique for Synthesis of Multilayer Metal Oxide Thin Films, International Conference on Physics, organized

by Bangladesh Physical Society, 08-10 March, 2018, University of Dhaka, Dhaka, Bangladesh.

28. Mehnaz Sharmin and J. Podder, Wide Band Gap and High Optical Transparency in Mg Doped $Fe_2O_3$ Thin Films: A Suitable Candidate for Optoelectronic Devices, International Conference on Material Science and Semiconductor Devices, 07-08 September, 2018, University of Dhaka, Bangladesh.
29. Mehnaz Sharmin and J. Podder, Effect of Mg Incorporation on the Structural, Morphological, Optical, Electrical and Magnetic Properties of Ferric Oxide Nanoparticle Thin Films, International Workshop on Recent Advances in Nanotechnology and Applications (RANA- 2018), 7 - 8 September, 2018, AMET, Chennai, India.
30. M. M. Rahaman, K. M. A. Hussain, Mehnaz Sharmin, C. Das and S.Choudhury, Role of Substrate Temperature on the Opto-electrical Properties of Indium Doped Tin Oxide Thin Films, National Conference on Physics-2017, 5-7 January, 2017, Atomic energy Center, Dhaka, Bangladesh.
31. M. Nesa, Mehnaz Sharmin, K. S. Hossain and A. H. Bhuiyan, Characterization of Spray Pyrolized CuO Thin Films Depostied at Various Substrate Temperatures, National Conference on Physics-2017, 5-7 January, 2017, Atomic energy Center, Dhaka, Bangladesh.
32. Mehnaz Sharmin and A. H. Bhuiyan, Investigation of Structure, Morphology, Optical and Electrical Properties of Sprayed ZnO Thin Films Deposited at Various Substrate Temperatures, National Conference on Physics-2017, 5-7 January, 2017, Atomic energy Center, Dhaka, Bangladesh.
33. M. Nesa, Mehnaz Sharmin and A. H. Bhuiyan, Effect of Zinc Doping on Structure and Properties of CuO Thin Films Synthesized by Spray Pyrolysis Technique, International Conference on Physics-2016, 10 - 12 March, 2016, Atomic energy Center, Dhaka, Bangladesh.
34. Md. Mahafuzur Rahaman, K. M. A. Hussain, Mehnaz Sharmin & Shamima Choudhury, Effect of Substrate Temperature on Structural, Optical and Electrical Properties of Vacuum Evaporated Indium Doped Tin Oxide Thin Films, International Conference on Physics-2016, 10 - 12 March, 2016, Atomic energy Center, Dhaka, Bangladesh.
35. M. M. Rahaman, K. M. A. Hussain, Mehnaz Sharmin, C. Das and S.Choudhury, Opto-Electrical Properties of Nanostructured Indium Doped Tin Oxide Vacuum Evaporated Thin Films, Young Scientists Congress and Women Scientists: Mentee Program 2016, October, 2016.
36. M. Nesa, Mehnaz Sharmin, K. S. Hossain and A. H. Bhuiyan, Structural and Surface Morphological Properties of Spray Deposited CuO and Zinc Doped CuO Thin Films, 3rd Conference of Bangladesh Crystallographic Association-2016, 1-2 December 2016, University of Dhaka, Dhaka, Bangladesh.
37. Mehnaz Sharmin, A. H. Bhuiyan, Influence of Boron Doping on The Structural Properties of ZnO Thin Films Deposited by Spray Pyrolysis Technique, National Conference on Physics Research and Education in Bangladesh, 2015, Atomic energy Center, Dhaka, Bangladesh.
38. Mehnaz Sharmin, S. Choudhury and T. Begum, Electrical, Optical and Structural Properties of p-Type Silicon, International Conference on Physics for Energy and Environment, Dhaka, 2014.
39. A. Islam, S. Choudhury, Mehnaz Sharmin, J. Begum and T. Begum, Substrate Temperature Dependent Structural Properties of Thermal Evaporated ZnSe Thin Films, First National Conference of Bangladesh Crystallographic Association, Dhaka, 2013.
40. Mehnaz Sharmin, T. Begum, N. Akhtar and S. K. Choudhury, Electrical and Optical Properties of p-Type GaAs, Conference on Electronics and Telecommunication (Bangladesh Electronics Society), 2010, 175-179.

**List of students awarded degree under the supervision:**

| Sl. No. | Name | Session | ID | Program |
|---|---|---|---|---|
| 1. | Selina Akter Lucky | April-2021 | 0421142517 | M.Sc. |

**List of students awarded degree under the co-supervision:**

| Sl. No. | Name | Session | Roll No. | Program | Institution |
|---|---|---|---|---|---|
| 1. | Afroja Helen Jasia | 2020-2021 | 2211 | M.S. in Physics | DU |
| 2. | Tasnima Begum | 2020-2021 | 2309 | M.S. in Physics | DU |

**List of students working under the supervision:**

| Sl. No. | Name | Session | ID | Program |
|---|---|---|---|---|
| 1. | Md. Jakaria Hosen | April-2022 | 0422142507 | M.Sc. |
| 2. | Mushfikatul Zannah | April-2023 | 0423142519 | |
| 3. | Farhan Labib Fahim | | 0423142523 | |
| 4. | Ruksana Bente Rashid | April-2024 | 0424142522 | |
| 5. | Md. Rubel Hossen | | 0424142525 | |
| 6. | Nawshin Tithi | | 0424142526 | |
| 7. | Taposhi Rabeya Binta Rashed Anika | April-2024 | 0424143005 | M.Phil. |

**List of students working under the co-supervision:**

| Sl. No. | Name | Session | Roll No. | Program | Institution |
|---|---|---|---|---|---|
| 1. | Rutaba Jania | 2020-2021 | 116 | Ph.D. | DU |
| 2. | Md. Rahidul Islam Shadhon | 2021-2022 | 1748 | M.S. in Physics | DU |

**Research Projects:**

1. **Title of the project:** Synthesis of Nanostructured Metal Oxide Thin Films and Construction of a Cost-Effective Gas Sensitivity Testing Unit for Environmental Applications

   Amount: BDT. 6,84,000/- (Six Lac Eighty Four Thousand Taka Only)

   **Project duration:** One and a half year.

   **Role:** Co-investigator, Funding organization: Committee for Advanced Studies and Research (CASR), Bangladesh University of Engineering and Technology, Dhaka-1000, Bangladesh

2. **Title of the project:** Green Synthesis and Investigation of Metal-Polymer Nanocomposites for Biomedical and Nonlinear Optical Applications

| Project No. | Amount (BDT) | Duration | Financial Year |
|---|---|---|---|
| 604 Phv's | 3 lac | 1 year | 2021-2022 |
| SRG-226631 | 4 lac | 1 year | 2022-2023 |
| SRG-236626 | 2.5 lac | 1 year | 2023-2024 |

**Role:** Co-investigator, Funding organization: Ministry of Science and Technology, Government of the People's Republic of Bangladesh

**Training Programs:**

1. Training Workshop on Learning Management System: Moodle organized by IQAC, BUET from 14-15 July 2020.
2. A Half Day Workshop on Scientific Paper Writing for High Impact Journals organized by IQAC, BUET from 16 April 2019.
3. Introductory Training Course in Nanofabrication Technologies organized by Centre for Nano Science and Engineering, IISc, Bengaluru, India from 10-28 September 2018
4. Training Workshop on Writing Learning Outcomes organized by IQAC, BUET from 23 December 2016.
5. Teachers' Appreciation Workshop organized by Directorate of Continuing Education (DCE), BUET from 27-29 January 2015.
6. Workshop on Modular Origami Learning organized by BUET and Japan Embassy, 25 September 2013.
7. Workshop on Initiative in Science Education, Research and Capacity building organized by Bangladesh Academy of Sciences and TWAS, 14-15 September 2013.
8. Workshop on Modular Origami Learning organized by BUET and Japan Embassy, 25 September 2013.
9. BAS Young Women Scientists' Workshop organized by Bangladesh Academy of Sciences, 24-25 March 2012, Dhaka, Bangladesh.

**Reviewer at the following Journals**

Applied Physics A, AIP Advances, Materials Technology: Advanced Performance Materials, JOAM-Journal of Optoelectronics and Advanced Materials, Optical Materials, Inorganic Chemistry Communications, Journal of Magnetism and Magnetic Materials, Modern Physics Letter B, Optical and Quantum Electronics, etc.

**Personal information**

Father's Name: Md. Mahbub Alam Siddiki
Mother's Name: Anjuman Ara
Husband's Name: Md. Rafiqul Islam
Nationality: Bangladeshi
Date of Birth: 26 May1985
Present Address: 30-1/D, White Campus, BUET, Dhaka-1000
Mailing Address: Department of Physics, BUET, Dhaka-1000
Permanent Address: House#49, Road#11, Sector#10, Uttara, Dhaka-1230.

**Name and Address of Referees:**

**Prof. Dr. Jiban Podder**
Department of Physics, Bangladesh University of Engineering and Technology
Dhaka-1000, Bangladesh
Contact No: 01552423766
E-mail: jpodder59@gmail.com

**Prof. Dr. Abu Hashan Bhuiyan**
University of Information Technology and Sciences, Holding-190, Road-5, Block J, Baridhara, Maddha Nayanagar, Vatara, Dhaka-1212 Bangladesh Contact No: 01712836384
E-mail: mahbhuiyan@gmail.com

**Prof. Shamima Choudhury**
Fellow, Bangladesh Physical Society (BPS)
Professor (Retd.), Department of Physics, University of Dhaka, Dhaka-1000, Bangladesh
Former Director, Bose Centre for Advanced Study and Research in Natural Sciences Former Provost, Rokeya Hall, Former Senate Member, University of Dhaka
Phone: +88 02222289596(h) +8801819188520 (cell)
E-mail: skc.phy@gmail.com

**Signature**

_____

Dr. Mehnaz Sharmin
Department of Physics
Bangladesh University of Engineering and Technology
Dhaka-1000, Bangladesh