

List of Conference Presentations (Poster/Oral)

1. M. 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, Conference Paper National Conference on Physics - 2021, 06-07 August 2021, (held in Virtual platform).
2. P. Datta, M. Sahrmin, J. Podder, S. Choudhury, Modifications in structure and optical-electrical properties of cupric oxide thin films doped with manganese, Conference Paper 7th IUPAP International Conference on Women in Physics (ICWIP2020 Conference), Melbourne, Australia, 11 – 15 July 2021 (held in Virtual platform).
3. M. Sharmin, J. Podder and K. S. Hossain, Studies on the Topographical and Photoluminescence Properties of Mg Doped Fe₂O₃ Thin Films, International Conference on Physics-2020, 05-07 March, 2020, Atomic Energy Centre, Dhaka, Bangladesh.
4. M. Sharmin, J. Podder and K. S. Hossain, The Effect of Al on the Structural, Morphological, Topological, Optical, Transport and Magnetic Properties of Fe₂O₃ Thin Films, National Conference on Physics-2019, 07-09 February 2019, University of Dhaka, Dhaka, Bangladesh.
5. 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, Bangladesh.
6. M. Sharmin and J. Podder, Effect of Al Doping on Physical Properties of Sprayed α -Fe₂O₃ Nanoparticle Thin Films Synthesized for Optoelectronic Applications, International Conference on Nanotechnology and Condensed Matter Physics (ICNCMP-2018), January 11- 12, 2018, BUET, Dhaka, Bangladesh.
7. M. Sharmin, M. Zahan and J. Podder, Investigation of Structural, Morphological, Optical and Electrical Properties of Spray Synthesized Fe₂O₃ Thin Films for Optoelectronic Applications, 4th International Conference on structure, processing and properties of materials, 1 - 3 March 2018, BUET, Dhaka, Bangladesh.
8. M. Zahan, M. Sharmin and J. Podder, Effect of Cu Doping on Morphological, Structural, Optical and Electrical Properties of MnO₂ Thin Films Deposited by Spray Pyrolysis Method, 4th International Conference on structure, processing and properties of materials, 1 - 3 March 2018, BUET, Dhaka, Bangladesh.
9. M. Sharmin and J. Podder, The Influence of Al Doping on the Physical Properties of Fe₂O₃ 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.
10. M. Sharmin and J. Podder, Structural, Morphological, Optical and Electrical Properties of Al:Fe₂O₃ 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.
11. 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.
12. 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.

13. 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.
14. M. 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.
15. M. 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.
16. M. M. Rahaman, K. M. A. Hussain, M. 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.
17. M. Nesa, M. Sharmin, K. S. Hossain and A. H. Bhuiyan, Characterization of Spray Pyrolyzed CuO Thin Films Deposited at Various Substrate Temperatures, National Conference on Physics-2017, 5-7 January, 2017, Atomic energy Center, Dhaka, Bangladesh.
18. M. 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.
19. M. Nesa, M. 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.
20. 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.
21. M. M. Rahaman, K. M. A. Hussain, M. 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.
22. M. Nesa, M. 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.
23. M. 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.
24. M. 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.
25. A. Islam, S. Choudhury, M. 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.
26. M. 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.