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List of Publications

1.) ***Harshita Trivedi***, *Hanieh Shafaghi, Naresh Shyaga, Jayeeta Lahiri, Zohreh Ghoran Nevis,* ***Avanish Singh Parmar*** *(2021) Synthesis, and physical characterization of magnetron sputtered Graphene-CdS bilayer. Materials Research Express 8 055003*

2.) ***Harshita Trivedi***, *Gaganpreet, Arash Boochani, Naresh Shagya, Jayeeta Lahiri, Zohreh Ghorannevis,* ***Avanish Singh Parmar*** *(2021) Investigating Optical, Structural and Morphological Properties of Polycrystalline CdTe Thin-film Deposited by RF Magnetron Sputtering. Materials Letters:X 11, 100087*

3.) ***Harshita Trivedi***, *Zohreh Ghorannevis,* ***Avanish Singh Parmar*** *(2021) Investigation on the effect of Process Parameter on physical properties of RF sputtered Mo-Ni thin films as a back contact thin-film solar cell. Journal of Materials Science: Materials in Electronics*

4.) ***Harshita Trivedi***, *Zohreh Ghorannevis, Shilpi Chaudhary,* ***Avanish Singh Parmar*** *(2021) Investigation on tailoring physical properties of cadmium sulphide thin films grown by RF magnetron sputtering (Submitted)*

5.) ***Harshita Trivedi***, *Zohreh Ghorannevis,* ***Avanish Singh Parmar*** *(2021) structural and morphological control of magnetron sputtered Molybdenum Oxide films (in preparation)*

6.) *Dhananjay Kumar Gaur, Ayushi Rastogi,* **Harshita Trivedi, Avanish Singh Parmar**, *Rajiv Manohar, Shri Singh (2021) Investigation of dielectric and optical properties of pure and diamond nanoparticles dispersed nematic liquid crystal PCH5. Liquid crystals*

7.) *Prarabdh Jain, Kedar Sahoo, Lenin Mahiya, Harsh Ojha,* **Harshita Trivedi, Avanish Singh Parmar**, *Manoj Kumar (2021) Color removal from model dye effluent using PVA-GA hydrogel (2020), Journal of Environmental Management 281, 111797-111808*

School/Meetings/Workshops/Conferences Attended

International conferences

1.) Poster presentation on “International Conference on Functional Nanomaterials” (ICFNM 2019) at IIT (BHU) during Feb. 22-25, 2019.

2.) Poster presentation on “International conference on Biomaterial-based Therapeutic Engineering and Regenerative Medicine”(BioTERM 2019) 27 Nov - 01 Dec, 2019 IIT Kanpur, India

3.) Poster presentation on “International conference on Smart Materials for Sustainable Technology” (SMST-2020) Bogmallo Beach Resort, Goa, India, 22nd – 25thFebruary 2019

4.) Poster Presentation on “the International e-conference on Advanced Functional Materials and Optoelectronic Devices” (ICAFMOD-2020) to be held during June 13-15, 2020

5.) Poster Presentation on International Virtual Conference on “Modern Instrumental and Characterization Techniques in Applied Sciences-2020” (MICTAS 2020) on 05th to 06th July, 2020

6.) E -International Symposium on Synthesis and Characterization of Smart Materials and Their Potential Applications (ISSCSMPA-2020) 14th -17th June, 2020

7.) Participating on “International Conference on Biomedical Materials Innovation (ICBMI-2020)” on 06th to 09th Nov, 2020

8.) Poster presentation on “International Conference on Soft Materials (ICSM 2020) MNIT, Jaipur, India” during 13-18 December 2020.

9.) Poster Presentation on “International Conference on Advanced Material for Better Tomorrow (AMBT)-2021” to be held during July 13-17, 2021

Schools & Workshop/ Webinar

1.) Pre conference workshop on Advances in Functional Biomaterials 27 Nov 2019 at IIT Kanpur, India

2.) Workshop on “{\LaTeX }: The software for thesis and research papers” to be held on 6th October 2018 at IIT (BHU)

3.) "Webinar- "The people & principles behind Nature" by Dr. Magdalena Skipper, EIC Nature & Chief Editorial Advisor, Nature Research" Jun 18, 2020 2:30 PM - 4:00 PM

4.) Webinar on "The people and the principles behind *Nature* – the what, the why and the how" by Dr. Magdalena Skipper, Editor in Chief, *Nature*, at 2.30 PM, organized by Springer Nature.

5.) ANSYS webinar "CFD in Microfluidics and Biomedical Devices" at Friday, June 19, 2020

6.) FDP on "Recent Advances in material characterization techniques" by Rajasthan Technical University Kota from 15^{th}-19^{th} Feb 2021

7.) FDP on "3D Printing Technology" by Vivekananda institute of technology and Rajasthan Technical University Kota from 23^{th}-27^{th} Feb 2021

8.) International Workshop on "Neurobiology of Pain & Itch" is being organised by IIT (BHU) Varanasi, from 29th June 2021 to 03rd July 2021

9.) FDP on "Recent Advancements in Electrical Transportation Technologies" by Vivekananda institute of technology and Rajasthan Technical University Kota from 07^{th}-11^{th} Feb 2022