

List of Publications

International Journals:

1. **Dharmendra Yadav**, Upendra Kumar, and Shail Upadhyay. "Study of structural, electrical, and photo luminescent properties of SrCeO₃ and Sr₂CeO₄." *Journal of Advanced Ceramics* 8, no. 3 (2019): 377-388.
2. **Dharmendra Yadav**, Upendra Kumar, Gurudeo Nirala, Ashish Kumar Mall, and Shail Upadhyay. "Effect of acceptor Na¹⁺ doping on the properties of perovskite SrCeO₃." *Journal of Materials Science: Materials in Electronics* 30, no. 16 (2019): 15772-15785.
3. **Dharmendra Yadav**, Upendra Kumar, Gurudeo Nirala, and Shail Upadhyay. "Electrical Conduction and Relaxation in Perovskite Oxide SrCe_{0.98}Na_{0.02}O₃ Synthesized by Solid-State Route." In *Macromolecular Symposia*, vol. 388, no. 1, p. 1900020. 2019.
4. **Dharmendra Yadav**, Gurudeo Nirala, Upendra Kumar, and Shail Upadhyay. "Investigation on structural and optical properties of sodium ion (Na⁺) doped layered perovskite Sr₂CeO₄." *Optical Materials* (Revision Submitted).
5. **Dharmendra Yadav**, Gurudeo Nirala, Upendra Kumar, and Shail Upadhyay. "Influence of gadolinium doping on structural and electrical properties of SrCeO₃." *Journal of Alloy and Compound* (Communicated).
6. **Dharmendra Yadav**, Gurudeo Nirala, Upendra Kumar, and Shail Upadhyay. "Effect of lanthanum doping on structural and electrical properties of SrCeO₃." *Material Characterization* (To be communicated).
7. Upendra Kumar, **Dharmendra Yadav**, Anukul K. Thakur, Kamal K. Srivastav, and Shail Upadhyay. "Investigation on phase formation of Sr₂SnO₄ and effect of La-doping on its structural and optical properties." *Journal of Thermal Analysis and Calorimetry* 135, no. 4 (2019): 1987-1999.
8. Upendra Kumar, Kumar Ankur, **Dharmendra Yadav**, and Shail Upadhyay. "Synthesis and characterization of Ruddlesden-Popper system (Ba_{1-x}Sr_x)₂SnO₄." *Materials Characterization* 162 (2020): 110198.

9. Vijaykumar, Vishnu, Gurudeo Nirala, **Dharmendra Yadav**, Upendra Kumar, and Shail Upadhyay. "Sucrose-nitrate auto combustion synthesis of $Ce_{0.85}Ln_{0.10}Sr_{0.05}O_{2-\delta}$ (Ln= La and Gd) electrolytes for solid oxide fuel cells." *International Journal of Energy Research* 44, no. 6 (2020): 4652-4663.
10. Nirala, Gurudeo, **Dharmendra Yadav**, and Shail Upadhyay. "Ruddlesden-Popper phase A_2BO_4 oxides: Recent studies on structure, electrical, dielectric, and optical properties." *Journal of Advanced Ceramics* (2020): 1-21.
11. Upendra Kumar, **Dharmendra Yadav**, and Shail Upadhyay. "Investigation of structural, optical and magnetic properties of Nd-doped Sr_2SnO_4 Ruddlesden Popper oxide." *Journal of the American Ceramic Society* (Accepted).
12. Nirala, Gurudeo, **Dharmendra Yadav**, and Shail Upadhyay. "Thermally activated polaron tunnelling conduction mechanism in Sr_2MnO_4 synthesized by quenching in ambient atmosphere." *Journal of Applied Physics* (Under Review).

Papers Published as Conference Proceedings:

1. **Dharmendra Yadav**, Gurudeo Nirala, Upendra Kumar, and Shail Upadhyay. "Synthesis and Characterization of $Sr_2Ce_{0.98}Na_{0.02}O_4$ " AIP Conference Proceedings. (Accepted)
2. Upendra Kumar, **Dharmendra Yadav**, Gurudeo Nirala, Shail Upadhyaya, Epsita Kar, and M. K. Srivastava. "Dielectric and Impedance Spectroscopy studies of $Ba_{0.90}Y_{0.10}SnO_3$ " AIP Conference Proceedings. (Accepted)
3. Upendra Kumar, **Dharmendra Yadav**, and Gurudeo Nirala Shail Upadhyay. "Structural and optical properties of Eu-doped at the site of Sr and Sn in Sr_2SnO_4 layered perovskite." In *AIP Conference Proceedings*, vol. 2115, no. 1, p. 030466. AIP Publishing LLC, 2019.
4. Upendra Kumar, **Dharmendra Yadav**, Shail Upadhyay, and Anukul K. Thakur. "Structural, microstructural and electrical characterization of $BaSnO_3$ and $Ba_{0.90}Y_{0.10}SnO_3$ synthesized by solution combustion method." In *AIP Conference Proceedings*, vol. 1942, no. 1, p. 140031. AIP Publishing LLC, 2018.

National/International Conferences/Workshops Attended

1. Third International Conference on Material Science (ICMS2020) 04 – 06 March 2020| **Department of Physics, Tripura University (A Central University) India – *Poster Presentation.***
2. 10th International Conference on Materials for Advanced Technologies (ICMAT - MRS 2019) 23 – 28 June 2019 | ***Marina Bay Sands, Singapore - Oral Presentation.***
3. 7th International Congress on Technology – Engineering and Science (ICONTES 2018) 01 – 02 February 2018 | ***Kuala Lumpur, Malaysia – Oral Presentation.***
4. International Conference on Nanotechnology for Better Living (NBL 2019) 07 – 11 April 2019 | ***NIT Srinagar, India – Oral Presentation.***
5. 63th DAE – Solid State Physics Symposium (DAE SSP 2018) 18 – 22 December 2018| **Guru Jambheshwar University of Sci. & Tech., Hisar, Haryana, India – *Poster Presentation.***
6. 4th International Conference on Nanomaterials (ICNM 2017) 10 – 12 February 2017 | ***Mahatma Gandhi University, Kottayam, Kerala, India – Oral Presentation.***
7. International Conference on Functional Nanomaterials (ICFNM 2019) 22 – 25 February 2019 | **Department of Physics, IIT(BHU), Varanasi India – *Poster Presentation.***
8. 45th National Seminar on Crystallography (NSC 45) 09 – 12 July 2017 | ***IIT(BHU) Varanasi – Poster Presentation.***
9. National Conference on Exotic Materials and Devices (NCEMD 2019) 08 – 09 January 2019 | **Department of Physics, Mahila Mahavidyalaya, Banaras Hindu University, Varanasi India – *Poster Presentation.***
10. Short Term Course On Research Methods & Skills 04 – 05 December 2016 | **Teaching Learning Cell, IIT(BHU) Varanasi & IIT- Kanpur.**
11. 20th Symposium & Workshops on Thermal Analysis (THERMANS 2016) 18 – 22 January 2016 | **Department of Physics, IIT(BHU), Varanasi India – *Participated***

