

List of Publications

Papers in international refereed journals

1. **Pradeep Kumar**, Subhash Chand Kashyap, K., Vijay Kumar Sharma, Hem Chand Gupta. (2015). *Improved thermoelectric property of cation-substituted CaMnO₃*. **Chinese Physics B**, 24(9), 1–6.
<https://doi.org/10.1088/1674-1056/24/9/098101>
2. **Pradeep Kumar**, Vijay Kumar, T. D. Senguttuvan, & Sujeet Chaudhary. (2020). *Design, fabrication, and calibration of low-cost thermopower measurement set up in the low- to the mid-temperature range*. **Measurement**, 150, 107054.
<https://doi.org/10.1016/j.measurement.2019.107054>
3. **Pradeep Kumar Sharma**, T. D Senguttuvan, Vijay Sharma, & Sujeet Chaudhary. (2021). *Revisiting the thermoelectric properties of lead telluride*. **Materials Today Energy**, 21, 100713. <https://doi.org/10.1016/j.mtener.2021.100713>
4. **Pradeep Kumar Sharma**, T. D. Senguttuvan, V. K. Sharma, N. K. Gupta, M. Saravanan, and Sujeet Chaudhary. (2021). *Thermoelectric properties of pristine PbTe synthesized without any surfactant and organic solvent*, **Materials Research Express** 8(7)
<https://doi.org/10.1088/2053-1591/ac0d2b>

National and international conference Presentations:

1. **Pradeep Kumar Sharma**, T. D. Senguttuvan and Sujeet Chaudhary. *Thermoelectric properties of pristine PbTe synthesized without any surfactant and organic solvent*. Virtual International Conference on Hierarchically Structured Materials (ICHSM-2021), April 8-10, 2021, SRM Institute of Science and Technology, Chennai, India.
2. **Pradeep Kumar Sharma**, T. D. Senguttuvan and Sujeet Chaudhary. *Synthesis and thermoelectric properties of Nanostructured Pristine Lead telluride* 4th Departmental Symposium on Advances in Physics, Department of Physics, December 1-3, 2020, Indian Institute of Technology Delhi, India.
3. **Pradeep Kumar Sharma**, T. D. Senguttuvan and Sujeet Chaudhary. *Synthesis and Thermoelectric Properties of Pristine lead telluride (PbTe)*. International Conference on Atomic, Molecular, Optical and Nano Physics with Applications (CAMNP-2019), December 18-29, 2019, Delhi Technological University, New Delhi, India,
4. **Pradeep Kumar Sharma**, T. D. Senguttuvan and Sujeet Chaudhary. *Synthesis and thermoelectric properties of Nanostructured Pristine lead telluride*. 3rd Departmental

List of Publications

Symposium on Advances in Physics, April 6-7, 2019, Department of Physics, Indian Institute of Technology Delhi, India.

5. **Pradeep Kumar Sharma**, T. D. Senguttuvan and Sujeet Chaudhary. *Synthesis and Characterization of Metal Chalcogenides for Thermoelectric Applications*. 2nd Departmental Symposium on Advances in Physics, April 7-8, 2018, Department of Physics, Indian Institute of Technology Delhi, India.