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List of Publications

List of Publications

Publications Relevant to the Thesis

1. Prashant Dixit, Vaibhav Chauhan, Pawan Kumar, Praveen C. Pandey, Enhanced photoluminescence in $\text{CaMoO}_4:\text{Eu}^{3+}$ by Mn^{2+} co-doping. *Journal of Luminescence* **223** 117240 (2020).
2. Prashant Dixit, Vaibhav Chauhan, Prashant Kumar Pandey, Praveen C. Pandey, Thermally stable bismuth activated Tb^{3+} doped CaMoO_4 green phosphor. (*communicated*)
3. Prashant Dixit, Vaibhav Chauhan, S.B. Rai, Praveen C. Pandey, Realization of neutral white light emission in $\text{CaMoO}_4: 4\text{Dy}^{3+}$ phosphor via Sm^{3+} co-doping. *Journal of Alloys and Compounds* **897** 162820 (2022).
4. Prashant Dixit, Prashant Kumar Pandey, Vaibhav Chauhan, Pratik Deshmukh, S. Satapathy, Praveen C. Pandey, Effect of Zn^{2+} co-doping on the luminescence intensity and optical thermometry of Dy^{3+} doped CaMoO_4 phosphor, *Methods Appl. Fluoresc.* **10(4)** 044003 (2022).

Other Publications

1. Vaibhav Chauhan, Prashant Dixit, Praveen C. Pandey, Enhancement in greenish-white photoluminescence of $\text{Zn}_3(\text{VO}_4)_2$ phosphor by Bi^{3+} doping. *Optik* **238** 166682 (2021).
2. Vaibhav Chauhan, Prashant Dixit, Praveen C. Pandey, Bi^{3+} assisted luminescence in $\text{SrMoO}_4:\text{Sm}^{3+}$ red phosphor. *Journal of Rare Earths* **39** 1336-1343 (2021).
3. Prashant Kumar Pandey, Prashant Dixit, Vaibhav Chauhan, Praveen C. Pandey, Study of structural and optical properties of europium ion activated bismuth oxide nanophosphors. *Materials Today: Proceedings* **67 (5)** 637-642 (2022).
4. Vaibhav Chauhan, Prashant Kumar Pandey, Prashant Dixit, Pratik Deshmukh, S. Satapathy, Praveen C. Pandey, Effect of Zn^{2+} co-doping on the luminescence of Sm^{3+} doped SrMoO_4 phosphor. *Journal of Luminescence* **248** 118994 (2022).

5. Prashant Kumar Pandey, Vaibhav Chauhan, Prashant Dixit, Praveen C. Pandey, Correlation of enhanced photocurrent with structural and optical properties of Ag–ZnO nanocomposites synthesized by a facile chemical route. *Physica B* **612** 412937 (2021).
6. Prashant Kumar Pandey, Vaibhav Chauhan, Prashant Dixit, Praveen C. Pandey, Role of Na⁺ co-doping in luminescence enhancement of Bi₂O₃: Sm³⁺ nanophosphors. *Materials Science in Semiconductor Processing* **150** 106915 (2022).
7. Vaibhav Chauhan, Prashant Kumar Pandey, Prashant Dixit, Praveen C Pandey, Structural and optical study of Sm³⁺ doped Ca₃(VO₄)₂ phosphors. *Materials Today: Proceedings* **67 (5)** 605-608 (2022).

Conferences/ Workshop/ Symposium

1. Poster presentation at International Conference on “Recent Advances in Material Science”, 15-17 May, 2021 organised by Department of physics, HNB Garhwal University, Srinagar Garhwal, Uttarakhand, India.
2. Poster presentation at “27th International Conference of International Academy of Physical Sciences (CONIAPS XXVII)”, 26-28 October 2021 organised by Dept. of Physics, BHU, Varanasi.
3. Poster presentation at “International Conference on Recent Advances in the Functional Materials (RAFM-2022)”, 14-16 March 2022 organised by Dept. of Physics, ARSD college, University of Delhi, Delhi.
4. Poster presentation at “27th International Conference of International Academy of Physical Sciences CONIAPS XXVII on FRONTIERS IN PHYSICS ”, 26-28 October 2021 organised by Dept. of Physics, University of Kashmir, Srinagar.
5. Oral presentation in the 2nd International Conference on “Sustainable Materials and Technologies for Bio and Energy Applications SMTBEA-2022”, during 13-15th, July 2022 Organized by SSN Institutions, Kalavakkam, Chennai-603110.