

List of Publications:

- 1) Aleksandar Ćirić, Milica Sekulić, **kevil Shah**, B.S. Chakrabarty, Miroslav D. Dramićanin, Upconversion photoluminescence of sub-micron lanthanum oxysulfide particles co-doped with Yb³⁺/Ho³⁺ and Yb³⁺/Tm³⁺ synthesized by optimized combustion technique, **Optical Materials** 120 (2021) 111417, <https://doi.org/10.1016/j.optmat.2021.111417>
- 2) Aleksandar Ćirić, **kevil Shah**, Milica Sekulić, B.S. Chakrabarty, Miroslav D. Dramićanin, La₂O₂S:Er³⁺/Yb³⁺ nanoparticles synthesized by the optimized furnace combustion technique and their high-resolution temperature sensing, **Optik - International Journal for Light and Electron Optics** 245 (2021) 167690, <https://doi.org/10.1016/j.ijleo.2021.167690>
- 3) **Shah Kevil**, Ćirić, A., Murthy, K.V.R., Chakrabarty, B.S., Investigation of a new way of synthesis for Nano crystallites of La₂O₂S & 1%Ln³⁺ (Ln = Pr, Eu, Tb, Dy, Er) doped La₂O₂S and study their structural and optical properties, **Journal of Alloys and Compounds**, 2021, 851, 156725, <https://doi.org/10.1016/j.jallcom.2020.156725>
- 4) Hirani, D., **Shah Kevil**, Chakrabarty, B.S., Synthesis and optical properties of zirconia (ZrO₂)-polyacrylicacid (PAA) nanocomposites, **International Journal of Scientific and Technology Research**, 2019, 8(12), pp. 4001–4004
- 5) Kolte, K.R., **Shah Kevil**, Chakrabarty, B.S., Exploring lanthanum sulphide characteristics for its physical properties, **International Journal of Scientific and Technology Research**, 2019, 8(12), pp. 957–961

List of Papers under publication process:

- 1) **Shah Kevil**, Murthy, K.V.R., Chakrabarty, B.S., **UV emission and energy transfer process in Ce³⁺, Gd³⁺, Pr³⁺ and their combination doped La₂O₃ Nano Crystallite Phosphors**
Submitted in **Advanced Optical Materials, Wiley**

2) **Shah Kevil**, Mitesh Ahire, Murthy, K.V.R., Chakrabarty, B.S., **Synthesis of Nanoparticles of La_2O_3 & $\text{Ln}^{3+}:\text{La}_2\text{O}_3$ phosphors by Aloe Vera Gel assisted precipitation method and study their Photoluminescence properties**

Submitted in *Physical Chemistry Au, ACS*

SEMINARS/CONFERENCES/WORKSHOPS ATTENDED:

- Attend **International Symposium Cum Workshop On Luminescence Materials** on 18-20th December, 2015, Faculty of Technology and Engineering, The M. S. University of Baroda, Vadodara.
- Attend **National Seminar on Recent Scenario in Science and Technology** on 27th February, 2016, Faculty of Technology and Engineering, The M. S. University of Baroda, Vadodara and presented a poster.
- Attend **UGC Sponsored four days “HANDS-ON” workshop on “Industrial Equipments” (HPCL/GC/FTIR/UV – Visible)** on May, 2016, Pramukh Swami Science & H. D. Patel Arts College, Kadi.
- Attend the **International Seminar on Luminescence and Materials on 16-17th, June, 2017, Nanyang Technological University, Singapore** and presented Oral Presentation.