

Dr. Gajendra Kumar Inwati

Post-Doctoral Fellow

Department of Physics,
University of the Free State,
Bloemfontein 9300, Republic
of South Africa,

Email: Contact No. +91 7041385217, +27 7041385217.



Project Title: Upconverted Y2O3: Yb/Er phosphor nanomaterials for solar cell applications.

Dr. Gajendra kumar Inwati (Campus ID: 2019877964) is a Post-doctoral fellow in the department of the physics, University of the Free State, Bloemfontein, South Africa. I carried my research work under Prof. Hendrik C. Swart which is based upon upconverted phosphor based thinfilm for solar cell applications. I prepared Y2O3: Yb/Er phosphor powder using temperature induced combustion technique and then the prepared materials were used to form a desired thinfilm on Si (100) substrate under PLD technique. The as prepared thinfilm were characterized for the optical, surface, structural and luminescent behaviour. I completed Ph.D. in Nanoscience entitled as "Investigation of structural and plasmonic properties of embedded metallic nanostructures and their applications" from central university of Gujarat, India. I did my MSc. Degree in Chemical science from DAVV University, Indore, India.

Thanking You!!!

Sincerely

Dr. Gajendra Kumar Inwati