Department of Physics

BIT Mesra, Ranchi

Research Papers Published by Faculty members

**January 2025**

* Divya Rai, Anuradha Mahanty, Ranbir Kumar, Deep Shikha, Smit Anand, and **Sanjay Kumar Sinha**, Effects of Sintering Temperature on the Microstructure, Microhardness, and Corrosion Resistance of Hydroxyapatite, **JMEPEG,** **January 2025,**  <https://doi.org/10.1007/s11665-025-10819-0>
* Kirti Sharma, **Pawan K. Tiwari** and **S. K. Sinha**, Estimation of Hematocrit Volume Using Blood Glucose concentration through Extreme Gradient Boosting Regrassor Machine Learning Model,JCIM , Journal of Chemical Information and Modeling, **2025,** <https://doi.org/10.1021/acs.jcim.4c01423>
* **Pawan K. Tiwari et al**, Investigation on the temporal evolution of the Druyvesteyn distribution function between sheath and presheath region in material processing plasmas**, 2025, Phys. Scr. 100 035613,**