

Faculty Profile

Name: Dr. Anil Kumar Verma

Designation: Assistant Professor, Faculty of Science and Technology,
The ICFAI University, Raipur, Chhattisgarh, IN.

Teaching Areas: Applied & Modern Physics, Electricity & Magnetism,
Basic Electrical & Electronics, Digital Electronics, Micro-Electronics.



Research Interests: Material Physics, Thin film, Simulation, Fabrication &
Characterization of electronics devices, emerging solar cells.

Education:

- Ph.D. in Organic solar cells, Pt. Ravishankar Shukla University-Raipur, 2020.
- UGC-NET in Electronic Science, June-2013, June-2014 and December-2015.
- M.Sc. in Electronics, Deen Dayal Upadhyaya Gorakhpur University, 2006.
- B.Sc. in Physics, Electronics, Deen Dayal Upadhyaya University, 2004.
- Diploma Course in Photography, Deen Dayal Upadhyaya University, 2003.

Patents: 01 and Funded Projects: 01

Research / Selected Publications :(SCI: 03, Scopus: 09, Scopus h-index: 3 and Google h-index: 4)

- Naman Shukla, **Anil Kumar Verma**, Sanjay Tiwari, "Optimization of efficient Perovskite-Si hybrid tandem solar cells" Material Science Research India, Volume-20, Issue-1, 2023 (SCI)
- **Anil Kumar Verma**, Challenges and Potential of Perovskite Solar Cells, Journal of Ravishankar University (Part-B: Science), Volume-35, Issue-2, Pages, 68-75, 2022 (Google Scholar, EBESCO)
- **Verma, Anil Kumar**, Naman Shukla, and Sanjay Tiwari. "Effect of ZnO ETL and MoO₃ HTL with PCDTBT: PC₇₀BM-based BHJ organic solar cells." Nanomaterials and Energy, Volume-9, no. 2 (2020): 245-252. (SCIE, SCOPUS, WoS)
- Swati Sahu, Mohan Patel, **Anil Kumar Verma**, Surya Prakash Singh, and Sanjay Tiwari. "Enhanced photovoltaic performance via co-sensitization of Ruthenium (II)-based complex sensitizers with metal-free indoline dye in dye-sensitized solar cells." Organic Photonics and Photovoltaics 5, no. 1 (2017): 9-15. (SCI)

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