Department: Physics

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Sudheer Singh Rawat

Assistant Professor

Qualification

NET (2019):- Physical Science, CSIR.

GATE (2015):- Physics

U-Set (2015):- Physics, Uttarakhand State Eligibility Test.

M.Sc. (2013):- Physics. H.N.B.G.U. Srinagar Garhwal.

B. Sc. (2011):- Physics, Chemistry, Mathematics. H.N.B.G.U. Srinagar Garhwal.

Areas of Interest

Organic Electronics

Organic Photo-voltaic

Organic Magneto-conductance

Experience

2020 (July)–Current: Assistant Professor, Department of Physics, Government Degree College, Thalisain, Pauri (Garhwal), Uttarakhand, India.

Awards & Honours:

DST Inspire Fellowship, JRF, SRF

Peer Reviewed Publications

1. Rawat, S. S., Rana, A., Swami, S. K., Srivastava, R., & Suman, C. K. (2020). Investigation of negative magneto-conductance properties of cobalt phthalocyanine thin films. *SN Applied Sciences*, *2*(4), 1-8.

2. Rawat, S. S., Kumar, A., Srivastava, R., & Suman, C. K. (2020). Efficiency Enhancement in Organic Solar Cells by Use of Cobalt Phthalocyanine (CoPc) Thin Films. *Journal of nanoscience and nanotechnology*, *20*(6), 3703-3709.

3. Kumar, A., Rawat, S. S., Swami, S. K., Singh, V. N., & Srivastava, R. (2020). Benzoyl Halide as Alternative Precursor for Synthesis of Lead Free Double Perovskite Cs3Bi2Br9 Nanocrystals. *Journal of nanoscience and nanotechnology*, *20*(6), 3802-3808.

4. Ramar, M., Rawat, S. S., Srivastava, R., & Suman, C. K. (2017). AC Impedance Spectroscopy Studies of PtPc Doped Alq 3 Thin Film. In *Recent Trends in Materials Science and Applications* (pp. 383-390). Springer, Cham.

5. Ramar, M., Rawat, S. S., Srivastava, R., Dhawan, S. K., & Suman, C. K. (2016). Impact of Cross Linking Chain of N, N-bis (napthalen-|-y|)-N, N-bis (phenyl)-benzidine on Temperature dependent Transport Properties. *Adv. Mater. Lett*, *7*, 783-789.