CONTACT

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Near Circuit house, Jaipur Road Sikar-332001

OBJECTIVE

To utilize my technical skills and provide a professional service to customers by applying and honing my knowledge and working in a challenging and motivating working environment.

EXPERIENCE

02/11/2020 - Till Now
- **Seth Gyaniram Bansidhar Podar College, Nawalgarh, District Jhunjhunu (Raj.).**
  Assistant Professor

10/07/2019 - 30/10/2020
- **B.S.M. (P.G.) College, Ranoli, Sikar (Raj.)**
  Assistant Professor

05/07/2018 - 30/06/2019
- **Prince College Sikar**
  Assistant Professor

02/07/2012 - 04/07/2018
- **Shekhawati College Sikar**
  Assistant Professor

EDUCATION

2014
- **From Inter University Accelerator Center (IUAC), and Dr. B. R. A. University, Agra.**
  Ph. D. (Physics)

2004
- **Dr. B. R. A. University, Agra.**
  M. Sc. (Physics)

2002
- **Dr. B. R. A. University, Agra.**
  B. Sc. (PCM)

SKILLS

- Team building
- Problem Solving
- Decision making

ACHIEVEMENTS & AWARDS

- January 15, 2009 to January 14, 2011 J.R.F. by Inter University Accelerator Center (IUAC), New Delhi (Formally Nuclear Science Center). India.
- January 15, 2011 to January 14, 2012, S.R.F. by Inter University Accelerator Center (IUAC), New Delhi. India.

- Structural and Thermal properties of polymer nanocomposites films. International Conference on Recent Trends in Environment and Natural Sciences - ICRTENS 2019 at Government Science College, Sikar, Rajasthan, India on 12-13 February, 2019. (Poster presentation and get First Prize)

INTERESTS

- Research Area and Scientific interests:- Studying of thin films preparation of polymer, nanocomposites and oxide materials by sol-gel, RF-sputtering and thermal evaporation methods. Swift heavy ion (SHI) beam irradiated polymer/nanocomposites and oxide material thin films. Thermal, Optical and structural studies of polymer/nanocomposites or oxide films by TSDC, DSC, TGA, DTA, TL, dielectric measurements, FTIR, XRD, UV-VIS, PL, AFM, SEM and Raman spectroscopy.

PUBLICATION

- **Structural and electroactive properties of 55 MeV carbon ion beam irradiated polycarbonate films. AIP Conference Proceedings. 2220 (2020) 020148-1-020148-5.**
  B.S, Rathore, Sandeep Sharma and S.S. Rathore
- **Structural and Thermal properties of ion beam irradiated polystyrene/ZnO nanocomposite films. International Journal of Advanced Research in Engineering & Technology. 2(2018)1-4.**
  B.S. Rathore, K. C. Agrawal and A. K. Chauhan
- **Thermal and structural properties of carbon ion beam irradiated Polycarbonate/Polystyrene (PC/PS) blend thin films. EDU WORLD, A Multidisciplinary International Peer Reviewed/Refereed Journal. 5(2017)208-214. ISSN-2319-7129.**
  B. S. Rathore, K. C. Agrawa
- **Structural and thermal properties of Swift Heavy Ion irradiated polycarbonate/Zinc oxide nanocomposites films, J Therm Anal Calorim 119(2015)1105-1112.**
  B. S. Rathore and M. S. Gaur
- **Optical and electrical properties of swift heavy ion beam irradiated polycarbonate/polystyrene bilayer films. Radiat. Efft. Deffecs. Solids. 169(2014) 767-778.**
  B. S. Rathore
- **Dielectric properties and surface morphology of swift heavy ion beam irradiated polycarbonate films, J Therm Anal Calorim. 111(2013)647-653.**
  B.S. Rathore, M.S. Gaur, K.S. Singh
- **Investigation of optical and thermally stimulated properties of SiO2 nanoparticles filled polycarbonate. Journal of Applied Polymer Science. 126(2012) 960-968.**
  B.S. Rathore, M.S. Gaur, K.S. Singh

- **Optical properties of Swift heavy ion beam irradiated polycarbonate/polystyrene composites films, Macromolecular Symposia. 315 (2012) 169-176.**
  B.S. Rathore, M.S. Gaur, K.S. Singh
- **Structural and polarization properties of polyimide/TiO2 nanocomposites, Ionics 18 (2012) 565-572.**
  Ram Lal, B.S. Rathore, M.S. Gaur
- **Investigation of thermally stimulated charge relaxation mechanism in SiO2 filled polycarbonate nanocomposites. J Therm Anal Calorim. 107(2012)675-680.**
  B.S. Rathore, M.S. Gaur, K.S. Singh
- **Optical and dielectric properties of 55 MeV carbon beam irradiated polycarbonate films. Radiat. Efft. Deffecs. Solids. 167 (2012) 131-140.**
  B.S. Rathore, M.S. Gaur, K.S. Singh
- **Thermal properties of ion beam irradiated polycarbonate films, Vacuum 86 (2011) 306-310.**
  B.S. Rathore, M.S. Gaur, K.S. Singh
- **Investigation of thermally stimulated properties of SHI beam irradiated polycarbonate/polystyrene double layered samples, Nuclear Instruments and Methods in Physics Research B 269 (2011) 27922797.**
  B.S. Rathore, M.S. Gaur, K.S. Singh
- **Thermally stimulated current and differential scanning calorimetry spectroscopy for the study of polymer nanocomposites. J Therm Anal Calorim. 101(2010)315-321.**
  M.S. Gaur, B.S. Rathore, P.K. Singh, A. Indolia, A.M. Awasthi, S. Bhardwaj
- **Thermal properties of carbon ion beam-irradiated polycarbonate/polystyrene composite films. AIP Conference Proceedings 1536 (2013) 449-451.**
  B.S. Rathore, M.S. Gaur, K.S. Singh