

Personal Detail

Name- Dr. Vinodini Shaktawat

Email Id: shvinodini@gmail.com , ravi.shekhawat007@gmail.com

ACADEMIC QUALIFICATION:

- M Sc. (Physics), B.Ed. and Ph.D.
- CTET qualified in 30-0-2019

PRESENT POST: Asst. Professor (Dept. of Physics)

TEACHING EXPERIENCE: 5 Years (UG-5 Years and PG- 1 Year)

- ⌚ 3 years 5 month experience as a faculty for B.Tech course in JEC, Kukas, Jaipur
- ⌚ 1 year experience as lecturer in MNIT, Jaipur and taught B.Tech as well as M.Sc. courses.
- ⌚ 1 year experience as a faculty for B.Tech courses in Shri Bhawani Niketan engineering college, Jaipur

RESEARCH EXPERIENCE

- ⌚ Joined as **JRF** under the supervision of **Prof. N.S. Saxena**, Dept of Physics, **Univ. of Rajasthan, Jaipur**
- ⌚ **My guide of Ph.D.:** **Prof. N.S. Saxena** and **Prof. Kanan Bala Sharma**, Dept of Physics, **Univ. of Rajasthan Jaipur**

PUBLICATIONS

1. "Structural and Mechanical Study of Pure and Doped Polyaniline"
` **Vinodini Shaktawat**, N.S. Saxena and Kananbala Sharma
Phase Transition, 84(3) (2011)215.
2. "Structural and electrical characterization of protonic acid doped polypyrrole"
V. Shaktawat, K. Sharma, N.S. Saxena
Journal of Ovonic Research, 6 (6) (2010)239.
3. "Structural and Electrical study of conducting polymers"
Vinodini Shaktawat, Manasvi Dixit, N.S.Saxena, K. Sharma
AIP Conf. Proc., 1249 (2010) 83.

4. "Investigation of electrical properties of PANI/Chalcogenide junctions".
V. Shaktawat, D. Patidar, N.S. Saxena, K. Sharma, T.P. Sharma
Central European Journal of Chemistry, 7 (2009)769.
5. "Temperature dependence of thermo-mechanical properties of banana fiber reinforced polyester composites"
Vinodini Shaktawat, Laly A. Pothan, N.S.Saxena, Kananbala Sharma and T.P.Sharma
Advanced Composite Materials, 17 (2008) 89.
6. "Structural and electrical characterization of protonic acid doped polyaniline"
Vinodini Shaktawat, Narendra S. Saxena, Kananbala Sharma and Thaneshwar P. Sharma
American Institute of Physics Conf. Proc., 1004 (2008) 241.
7. "Temperature dependence of conductivity of polypyrrole doped with sulfuric acid"
Vinodini Shaktawat, Neeraj Jain, Manasvi Dixit, N.S. Saxena*,Kananbala Sharma, T.P. Sharma
Indian Journal of Pure & Applied Physics, 46 (2008) 427.
8. "Mechanical Characterization of Polymethyl methacrylate and Polycarbonate Blends" Manasvi Dixit, **Vinodini Shaktawat**, Kananbala Sharma, Narendra S. Saxena and Thaneshwar P. Sharma
American Institute of Physics Conf. Proc., 1004 (2008) 311.
9. "Structural and Thermal Characterization of Metal Halides Doped polypyrrole"
Rashmi Saxena, **Vinodini Shaktawat**, Neeraj Jain, N.S. Saxena, Kananbala Sharma, T.P. Sharma
Indian Journal of Pure & Applied Physics, 46 (2008) 414.
10. "Mechanical Property of CdS Coated PET and Mica Films"
Sandhya Gupta, **Vinodini Shaktawat**, Kananbala Sharma, Narendra S. Saxena and Thaneshwar P. Sharma
American Institute of Physics Conf. Proc., 1004 (2008) 328.
11. "Measurement of thermal transport properties in metal doped Polypyrrole"
Rashmi Saxena, **Vinodini Shaktawat**, Kananbala Sharma, N.S.Saxena
Iranian Polymer Journal, 17(9) (2008) 659.
12. Electrical conductivity and Optical bandgap studies of polypyrrole doped with different acids"
V. Shaktawat, N. Jain, R. Saxena, N.S. Saxena, T.P.Sharma
Journal of Optoelectronics and Advanced Materials, 9 (7) (2007) 2130.

13. “Thermo-mechanical investigation of thick film of Aniline formaldehyde copolymer and Polymethylmethacrylate
V. Shaktawat, N. Jain, N.S. Saxena, K. Sharma, &T.P. Sharma
 Polymer Science Series A, 49 (10) (2006)236.
14. “Temperature dependence of electrical conduction in pure and doped Polypyrrole”
V. Shaktawat, N. Jain, R. Saxena, N.S. Saxena, K. Sharma &T.P. Sharma
 Polymer Bulletin, 57 (4) (2006)535.

CONFERENCE/SYMPOSIUM/WORKSHOP AND SCHOOL:

- 🕒 Seminar on “**Current trends in Physics**” at *University of Rajasthan, Jaipur* during Mar. 26-27, 2010.
- 🕒 National Conference on “**Advances on Materials and Devices for renewable energy sources (NCAMDRES-10)**” at *JEC, Kukas* during Feb. 25-27, 2010.
- 🕒 **International Conference on Condensed Matter Physics (ICCMP-2007)** at *University of Rajasthan, Jaipur* during Nov. 26-28, 2007.
- 🕒 **4th National Conference on Thermo-Physical Properties (NCTP-2007)** at *Kollam, Kerala, India* during Sept. 20-23, 2007.
- 🕒 **National Conference on Condensed Matter and Material Physics** at *University of Rajasthan, Jaipur* during Feb. 1-3, 2007.
- 🕒 **International Seminar on Surface and Interfaces (Tech. and Applications) (ISSI-2006)** at *University of Rajasthan, Jaipur* during Nov. 10-13, 2006.
- 🕒 **International Workshop on Hydrogen Energy: Production, storage and Applications (IWHE-2006)** at *University of Rajasthan, Jaipur* during Nov. 5-9, 2006.
- 🕒 **National Conference on Recent advances in Material Science (RAMS-2006)** at *Kurukshetra University* during Sept. 27-29, 2006.
- 🕒 **XVth National Symposium and workshop on thermal analysis (THERMANS-2006) (organized by BRNS-BARC, Mumbai)** at *University of Rajasthan, Jaipur* during Feb. 6-10,2006.
- 🕒 **World Year of Physics 2005 Celebration organized by Dept. of Physics, CDPE, University of Rajasthan, Jaipur** during Dec. 2-4,2005.
- 🕒 **Awareness Workshop on “the Facility of UGC-DAE Consortium for Scientific Research”** organized by *Dept. of Physics, University of Rajasthan, Jaipur* during Nov. 18-19, 2005.

- ⌚ **3rd National Conference on Thermo-Physical Properties** organized by TPSI & Dept. of Phys., Goa Univ., Goa during Jan. 19-20, 2005.
- ⌚ **74th Annual session and National Symposium on Science and Technology for Desert Development** organized by NASI, *Dept. of Physics, University of Rajasthan, Jaipur* during Dec. 2-4, 2004.

SPECIAL ACHIEVEMENTS:

- ⌚ **“XIII ISTE Students National Convention 2010”** at *JEC, Kukas* during Oct. 2-3, 2010 (as a member of organizing committee).
- ⌚ ISTE Faculty Convention **“Energy & Environment Conservation: Challenges, Opportunities & Solutions”** at *JEC, Kukas* during Dec. 5-6, 2009 (as an organizer).
- ⌚ **Workshop on “Ethical hacking and information security”** at *JEC, Kukas* during Nov.5- 6, 2009 (as a member of organizing committee).