Dr. Pramod Kumar Singh

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Qualification	:	Ph.D. (Physics), M.Phil. (Physics & spl. of Electronics), M.Sc. (Physics & spl. of Computer Science)
Department	:	Physics
Experience (Academics/Industry/Research)	:	10 Years
Research Interest	:	Broad area: Material Science Sub-Area 1. Charge Storage and transport process in electro-active polymers. 2. Thermally Stimulated effects 3. Charge and field properties in various poled polymeric Solids 4. Dielectric relaxation in solids including characterization of polymeric samples 5. Development of electro active polymers for sensor applications 6. Development and optical / electrical properties of polymer nano composite 7. The study of structural/morphological changed in polymer Nanocomposites.
Ph.D. Supervised	:	NIL
Ph. D. supervising		NIL
B.Tech./M.Tech./M. Phil. Dissertation supervised		B. Tech. : 3
Sponsored Research Project / Consultancy	:	NIL
PI in DST sponsored International joint Project		NIL
Research Publications	:	Journal : 9 + 2 communicated Conference : 11

Recent Publications

1. P. K. Singh et. al. Enhancement of β-phase of P(VDF-TrFE)$_{60/40}$ by $BaTiO_3$ nanofiller; Ferroelectrics. 2018, Volume 524, 2018 - Issue 1, 37- 43.

2. P. K. Singh et.al. Effect of interface in dielectric relaxation properties of PEMA-BaZrO3 nanocomposites; Polymer Bulletin; 2017, https://doi.org/10.1007/s00289-017-2248-z
3. P.K. Singh et.al. Improvement of dielectric properties of spin coated PMM/ ZnO nano hybrid film; Ferroelectrics 2017; 1-15.
4. P. K. Singh, et. al. Dielectric Properties of Sol-gel Synthesized Polysulfone-ZnONanocomposites. Journal of Thermal Analysis and Calorimetry (Springer). 2015; 122, (2): 725–740.
5. P. K. Singh, et. al. Thermally stimulated discharge current (TSDC) characteristics in β-phase PVDF–$BaTiO_3$ nanocomposites. Journal of Thermal Analysis and Calorimetry (Springer). 2014; 117:1407-1417.
6. P. K. Singh, et. al. Structural and thermal properties of polysulfone-ZnONanocomposites. Journal of Thermal Analysis and Calorimetry (Springer). 2013; 111: 743-751.
7. P. K. Singh, et. al. The effect of annealing time on thermally stimulated discharge current of corona-charged ethyl cellulose. Journal of Thermal Analysis and Calorimetry (Springer), 2011; 103:679-683.
8. P. K. Singh, et. al. Optical and thermo electrical properties of ZnOnano particle filled polystyrene. Journal of Applied Polymer Science (Wiley). 2010; 118:2833–2840.
9. P. K. Singh, et. al. Thermally stimulated current and differential scanning calorimetry spectroscopy for the study of polymer nanocomposites. Journal of Thermal Analysis and Calorimetry (Springer).2010; 101:315 -321.

For more details visit : https://scholar.google.com/citations?user=S4tZyXIAAAAJ&hl=en

Achievements

Award	:	Received a **Best paper Presentation Awards** in National Conference Organized by Mangalayatan University on 20th to 22th Jan 2012.
Membership of Professional Bodies	:	• Life Member of Asian Polymer Association (APA) • Founder Member of Nano & Molecular Society (NMS), India. • Member of International Association of Advanced Materials.
Abroad Visit	:	• 16th International Symposium on Electrets (ISE16) at KU Leuven in Leuven, Belgium, September 4-8, 2017 (Travel support sponsored by the Department of Science & Technology (DST: SERB Board), Government of India) • Francisk Skorina Gomel State University, Gomel, Republic of Belarus, during 17th Oct. to 23rd Oct. 2015, under Indo-Belarus Joint Cooperation of Science and Technology.
Journal Reviewer:		• Polymer Bulletin – Springer • International journal of Science & Engineering Development research (IJSDR) • International Journal of Creative Research Thoughts

		(IJCRT)