

	<p><b>Dr. Rajeev Kumar Tiwari</b>  Professor  Hindustan College of Science and Technology-  MATHURA-281122  Contact : +919568006051  Email : rajeevkumar.tiwari.hcst@sgei.org</p>
<b>Qualification</b>	: M.Sc. M.Phil., Ph.D
<b>Department</b>	: Physics
<b>Experience</b> (Academics/Industry/Research)	: 22 Years
<b>Research Interest</b>	: Electro-optical, electro-optical properties of materials, thermo luminescence on inorganic alkali halide materials, chemiluminescence studies on pesticides, compounds and nanoconposites. Optical properties via absorption spectra & IR. Study of Charge storage and transport properties & thermally stimulated effects in polymers. Dielectric properties, Thermo-electrets effect, single layer, double layer, blend and polymer nanocomposites.
<b>PhD Supervising</b>	: 03 (Co-PI)
<b>BTech/MTech/MPhil Dissertation supervised</b>	BTech : MTech :
<b>Sponsored Research Project / Consultancy</b>	: 03
<b>Research Publications</b>	: Journal : 22 Conference : 31 Book : if Any Book Chapter : 0
<b>Journals:22</b>	
<p><b>Recent Publications:</b></p> <ol style="list-style-type: none"> <li>1. "Measurement of AC and DC relaxation properties in polyvinyl chloride (PVC) nanocomposites M. S. Gaur*, Pankaj Goyal , <b>R. K. Tiwari</b>, A. A. Rogachev, A. V. Rogachev; (<b>Measurement</b>; Journal of the International Measurement Confederation (ELSEVIER). <u>Volume 135</u>, March 2019, Pages 323-332</li> <li>2. Quantitative and qualitative analysis of malathion on leukocyte cells in human blood "Sharma, A.K., Tiwari Udit, <b>Tiwari,R.K.</b> and Gaur, M.S.; Journal of Biomedical Reaserch, Elsevier, <b>2016</b>, 30(1):52-59.</li> <li>3. "Nanophotocatalytic UV degradation system for organophosphorous pesticides in water samples and analysis by Kubista model" Amit Kumar Sharma, <b>Rajeev Kumar Tiwari</b>, Mulayam Singh Gaur; Arabian Journal of Chemistry (Science direct), <b>Vol.9, Supplement 2</b>, November <b>2016</b>, Pages S1755-S1764. DOI: 10.1016/j.arabjc.2012.04.044 (IF: 2.27)</li> <li>4. "Initial results of Bio-potential signals (Seismic Electric Signal) related to seismic activities" Vinod Kushwah, M.S.Gaur and <b>R.K.Tiwari</b>; Acta Geophysica, Vol.61, No.4,</li> </ol>	

Aug.2013, pp.935-949.

5. "Three dimensional structure prediction and proton nuclear magnetic resonance analysis of toxic pesticides in human blood plasma" Amit Kumar Sharma, **Rajeev Kumar Tiwari**, Mulayam Singh Gaur. Journal of Biomedical Research, **2012**, 26(3):170-184.
6. "Simultaneous study of bio-potential and ultra low frequency (ULF) Seismo-electromagnetic emission associated with earthquakes" Vinod Kushwah, Rudraksh Tiwari, M.S.Gaur and R.K. Tiwari; International Symposium on Advances in Ground Technology & Geo-Information: Data Acquisition and Monitoring , **Conference Paper (PDF Available)** · January 2011. Doi: 10.3850/978-981-07-0188-8\_P054.
7. "Computational interaction analysis of organophosphorus pesticides with different metabolic proteins in humans" Amit Kumar Sharma, Karuna Gaur, **Rajeev Kumar Tiwari**, Mulayam Singh Gaur; Journal of Biomedical Research,**2011**,25(5):335-347.
8. "Computational Toxicity Prediction of Synthetic Pesticides in Human at Different Exposure Levels" Amit Kumar Sharma, **R. K. Tiwari** and M.S.Gaur; Journal of Natural Science, Biology and Medicine | Vol 2 | Issue 2(Suppl.) | Jul-Dec **2011**, pp.98-99.
9. "Design of Photoreactor and Study of Modeling Parameters for Removal of Pesticides in Water: a Case Study of Malathion" Amit K. Sharma, **R. K. Tiwari** and M. S. Gaur: Sensors & Transducers Journal, Vol. 125, Issue 2, February **2011**, pp. 131-141.
10. "Computational sensor for analysis of environmental pollutants" **R. K. Tiwari**, Amit Kumar Sharma, M. S. Gaur; (NCCI 2010) -National Conference on Computational Instrumentation, CSIO Chandigarh, INDIA, pp 168-171 19-20 March **2010**. Published Online in [csio.res.in](http://csio.res.in).

#### **Conference :**

1. Organized National conference entitled" synthesis and characterization of advanced Nano-materials (NCSCAAN-2014)" held at Department of Physics, Hindustan College of Science & Technology, Farah, Mathura held at 17-19 January, 2014.
2. Organized International conference entitled "3rd International workshop on Nanostructured materials and Nanocomposites (ICNM-2015) held at Hindustan College of Science & Technology, Farah, Mathura-281122 (U.P.) India during 12th - 14th Dec., 2015.
3. Chaired a session in " Golden jubilee Celebration national Conference on Trends in Nanobiotechnology (NCTN-2016) held at Department of Molecular Biology, Biotechnology ad bioinformatics College of basic Sciences and Humanities, CCS Harayana agricultural University, Hisar during 29th -30th Nov., 2016.
4. Chaired a session in International Conference on "Applied Nanotechnology and Nanoscience, Tuljaram Chaturchand College, Baramati, Distt. Pune (Maharashtra), 7-9 Dec 2017.
5. "Preparation and characterization of Fluro polymer hybrid nano compositesfor touunge pressure sensor" Paper presented in International conference on Materials for Energy Applications (ICME-2018) to be held S.S. Jain Subodh PG (Autonomous) College, Jaipur affiliated to University of Rajasthan, Jaipur-302004, India during on 6th - 8th December 2018.
6. "A new Approach of Earth Quake Sensing Using Tree Biosensor" Poster Presented in National Symposium on New Trends of Biosensor Technology (NSNTBT-2009) on 17-19 Jan.2009 at Hindustan College of Science & Technology.

<p>7. "Spectroscopic Analysis of Organophosphorus Pesticide in Water Samples" Poster Presented in National Symposium on New Trends of Biosensor Technology (NSNTBT-2009) on 17-19 Jan.2009 at Hindustan College of Science &amp; Technology.</p> <p>8. "Quantitative analysis of Methyl Parathion by Colorimetric Sensor Instrument" Poster Presented in National Symposium on New Trends of Biosensor Technology (NSNTBT-2009) on 17-19 Jan.2009 at Hindustan College of Science &amp; Technology. 3rd Best poster awarded.</p> <p>9. Low Frequency Dielectric Properties of Polyvinylidene fluoride-olymethylmethacrylate Double-Layered Foil Samples, With M. S. Gaur, Prashant Shukla, &amp; Pooja Saxena , Proceedings of the Asian Thermo physical Properties Conference, 21-24 August, 2007, Fukuoka, Japan, Paper No. 111.</p> <p>10. Electroactive Polymers for Electret MEMS Applications, With Prashant Shukla, Pooja Saxena, S. P. Singh and M. S. Gaur, P-37, Proceedings of National seminar on MNNA 2006, University of Delhi, Delhi.</p>		
<b>Book Chapter</b>	:	NA
<b>Patents</b>	:	NA
<b>Achievements</b>		
<b>International Collaboration</b>	:	03
<b>Award</b>	:	Teacher Award by SGI, Agra
<b>Membership of Professional Bodies</b>	:	<ol style="list-style-type: none"> <li>1. Life membership of Luminescence Society of India</li> <li>2. Life membership of Indian Society for Technical Education</li> <li>3. Founder Membership/Life membership of Nano and Molecular Society, India</li> </ol>
<b>Abroad Visit</b>	:	02(Russia, Belarus)