



Dr. Vinod Kumar Kushwah

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Qualification	:	M.Sc., Ph.D(Physics) Specialization in Electronics
Department	:	Physics
Experience (Academics/Industry/Research)	:	12 Years
Research Interest	:	Seismo-Electromagnetic and Space Science, to develop nano particles and identify the characteristics of materials
PhD Supervising	:	02(Ongoing)
BTech/MTech/MPhil Dissertation supervised	:	B.Tech. : 12 M.Tech. : 01
Sponsored Research Project / Consultancy	:	01 Completed and 02 Submitted
Research Publications	:	Journal : 21 Conference : 50 Book : member of editorial board Book Chapter : 1
Journals:		
<ol style="list-style-type: none"> 1. V.S. Katta, Kushwah, V. Tiwari, R. , Gaur, M. S. , Dimri, P., Sharma, A. K. 'Investigation on Remote Sense Surface Latent Heat Temperature Associated with Pre-Seismic Activities in Indian Region'. World Academy of Science, Engineering and Technology, International Science Index, Civil and Environmental Engineering, 13(7), 2550,2019. 2. Vinod Kumar Kushwah, Rudraksh Tiwari, M. S. Gaur and R. K. Tiwari,” Simultaneous study of bio-potential and Ultra Low Frequency(ULF) seismo-electromagnetic emissions associated with earthquakes” Advances in Ground Technology and Geo-Information Edited by Kok Kwang Phoon, Siang Huat Goh, Rui Fu Shen and Hehua Zhu Copyright c 2012 by Geotechnical Society of Singapore (GeoSS), ISBN: 978-981-07-0188-8 :: doi:10.3850/978-981-07-0188-8 P054. 3. Rudraksh Tiwari, Vijay S Katta,Vinod Kumar Kushwah, Priti Dimri, Mulayam Singh Gaur,” Study The Biopotential Parameter For Detection Of Seismic And Enviornmental Changes In Indian Region” Journal of Geography and Cartography,USA,1,1-12,2018. 4. Rudraksh Tiwari*, Vinod Kumar Kushwah and M. S. Gaur,” Study of Dielectric Properties of Roots of Banyan Tree at Low Frequencies for the Prediction of Seismic 		

Activities” International Journal of Engineering Technology Science and Research, 4, 11, 2394 – 3386, 2017.

5. **Vinod Kushwah**, Rudraksh Tiwari, Mulayam S Gaur, Rajeev K Tiwari, ”Initial results of bio-potential signal (seismic electric signal) related to seismic activities” Journal of Acta Geophysica, 61, 4, 935-949, 2013.
6. **Vinod Kushwah**, M.S. Gaur, R.K. Tiwari and and Rudraksh Tiwari, Study of bio-potential associated with deep rooted trees for prediction of earthquakes, by Geotechnical Challenges in Megacities, Moscow, Russia, ISBN 978-5-9902005-2-4 Vol. 3, pp.1073-1076, 2010.
7. Vishal Chauhan, Vikram Singh, **Vinod Kushwah**, Birbal Singh, and O.P. Singh, Ultra Low Frequency (ULF) and Total Electro Content (TEC) anomalies observed at Agra and their association with regional earthquakes, Journal of Geodynamics ,UK, 48 (2009) 68-74.
8. **Vinod Kushwah**, Vikram Singh, Birbal Singh and M. Hayakawa, Ultra Low Frequency (ULF) amplitude anomalies observed at Agra and their association with regional earthquakes, Physics and Chemistry of the Earth, USA, 34, 367-372, 2009.
9. **Vinod Kushwah**, Vikram Singh and Birbal Singh, Ultra Low Frequency (ULF) bursts as precursors of earthquakes ,Proceedings of 12th International Conference of Computer Method and Advance in Geomechanics (IACMAG) Goa, **India** October 1-6, 2008, pp.2957-2962.
10. Seismo-ionospheric perturbation as determined from TEC monitoring at Agra, Vishal Chauhan, Vikram Singh, Vinod Kushwah, Birbal Singh, and O.P. Singh Narosa Publication, New Delhi, Proceedings of International Workshop on Electromagnetic Studies related to Earthquakes and Volcanoes (IWEMSEV-2006), Agra (India), November 20-22, 2006, pp.74-83, 2008.

For more details visit : <https://scholar.google.com/citations?user=vlwz10sAAAAJ>

Conference :50

Recent Conference:

1. Dielectric properties of Polyaniline-Graphene Oxide-CNT hybrid nanocomposites 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.
2. Study of Seismic Electric Signals by live Sensors: Deep Rooted Trees, 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.
3. “Study of atmospheric and seismic signals associated with live sensors: Trees” International Conference on Applied Nanotechnology & Nanoscience-2017 (ICANN-2017) to be held from 07th to 09th Dec. 2017, at Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati (Pune) Maharashtra, India
4. National Conference on Trends in Nanobiotechnology (NCTN-2016)” during 29th and 30th November, 2016 as part of Golden Jubilee celebrations of Haryana at CCS Haryana Agricultural University, Hisar.
5. “To design a new material for Glass Fiber Reinforcement Gypsum (GFRG) waste materials with carbon nano powder for seismic area” India International Science Festival at CSIR, NPL New Delhi during 8th -11th December, 2016
6. “Study of bio-potential signals related to seismic activities in mid latitude region” Golden

<p>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.</p> <p>7. 10th All India Student’s Conference on Science and Spritual Quest (AISSQ-2016) organized by Bhaktivedanata institute Kolkata, held at Hindustan College of Science & Technology, Farah, Mathura-281122 (U.P.) India during 08th -09th Oct., 2016.</p> <p>8. “Study of bio-potential signal related to seismic and atmospheric activities ”, 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.</p> <p>9. “Simultaneous observations of ULF/ELF Seismo-electromagnetic emissions network mode study associated with earthquakes in seismic prone area in Indian region” ,Brain Storming Workshop held at RBS Engineering and Technical Campus, Bichpuri,Agra held at 28-29 November, 2014.</p> <p>10. “Simultaneous Ultra Low Frequency and Total Electron content (ULF/TEC) amplitude anomalies observed during seismic activities in Indian region” 2nd International symposium on Advances in earthquake Sciences(AES 2013) held at Institute of Seismological Research, Raisan, Gandhinagar, Gujarat during 1-2 February, 2013.</p>	
Book Chapter	: A member of editorial board in entitled “ <i>Electromagnetic Phenomenon Related to. Earthquakes and Volcanoes</i> ” written by Prof. Birbal Singh in 2007 published by Narosa Publishing House, New Delhi
Patents	If Any
Achievements	
International Collaboration	: 6 countries(Russia, Belarus, China, South Africa, Brazil, Thailand)
Award	: <ul style="list-style-type: none"> ❖ Second Prize paper presentation award Scientist and Engineers research council (SERC) School on “Solar Terrestrial Environment: Space Weather” held in Deptt. Of Physics, BHU, Varanasi during September, 2003. ❖ Member of the group, invited by Dr. A.P.J Abdul Kalam, Former President of India, for a discussion on Seismo-Electromagnetism, 11October, 2004. ❖ Best Teacher Award in 2012 from Hindustan College of Science & Technology(SGI) Farah, Mathura. ❖ Best Teacher Award in 2014-18 from Hindustan College of Science & Technology (SGI) Farah, Mathura.
Membership of Professional Bodies	: <ul style="list-style-type: none"> ❖ Life membership of Indian Society of Earthquake Science (ISES) ❖ Member of foundation of Excellence, USA ❖ Life Member of International Geo-Hazards Society, Germany ❖ Joint Secretary and Founder member of Nano and Molecular Society, India(MembershipNo. NMS/2014/FM/04)
Abroad Visit	: 06 countries

