

## CURRICULUM VITAE (CV) – Dr. SANDEEP KANSAL

<b>Official Address:</b> <b>Associate Professor</b> <b>Department of Applied Physics,</b> <b>Gaini Zail Singh Campus,</b> <b>College of Engineering and</b> <b>Technology (GZSCCET),</b> <b>Bathinda</b> <b>Skansal2k1@yahoo.com,</b> <b>M: +91-8872-500263</b>	<b>Education Qualification</b>		
	<b>Ph.D.</b>	Physics (Radiation Dosimetry)	PTU, Jalandhar
	<b>M. Sc (Hons School)</b>	Physics	Physics Department Punjab University, Chandigarh
	<b>B. Sc (Hons School)</b>	Physics	Physics Department Punjab University, Chandigarh
	*Qualified UGC-CSIR Test in 1995		
	*Qualified GATE-1995 exam with 83.89 percentile.		
<b>Teaching and Research Area</b>		<b>Publications and Project Details</b>	
<b>UG Level :</b> <ul style="list-style-type: none"> <li>➤ Engineering Physics (Th. &amp; Lab)</li> </ul> <b>PG Level :</b> <ul style="list-style-type: none"> <li>➤ Classical Mechanics</li> <li>➤ Optoelectronics, Laser &amp; its Applications</li> <li>➤ Material Testing &amp; Characterisation Techniques (MTCT)</li> <li>➤ Nuclear Accelerators &amp; Radiation Physics (NARP)</li> </ul>		<ul style="list-style-type: none"> <li>➤ Total Research Publications : 15</li> <li>➤ International Conferences attended: 03</li> <li>➤ National Conferences attended: 16</li> <li>➤ Books Published : 01</li> <li>➤ Research Projects: 01</li> </ul> <p style="text-align: center;">(Sanctioned by BARC of Rs. 31,20,870/-)</p>	
		<b>Research Students Guided/Under supervision:</b>	
		<b>Ph.D.: Total = 01*</b> (to be taken in this session as cleared in DDRC meeting of MRSPTU Bathinda)	
		<b>M. Sc. : Total 07</b> (completed) (one semester Dissertation)	
<b>Short Term Courses Organized: 01</b>		<b>National Conferences Organized : 01</b>	
<b>Short Term Courses Attended: 24</b>			
<b><u>List of important Publications (Total 15)</u></b>			
<b>I. PUBLICATIONS IN INTERNATIONAL REFEREED JOURNALS (Total 09):</b>			
1. Rohit Mehra, Surinder Singh, <b>Sandeep Kumar (2009)</b> . “Passive integrating radon studies for environmental monitoring in Sirsa district, Haryana, India using Solid State Nuclear Track Detectors”. <i>Indian Journal of Physics (Springer publications)</i> , 83(8), pp. 1191-1196. ISSN No.0973-1458 (print version), 0974-9845 (electronic version).			
2. Rohit Mehra, <b>Sandeep Kumar</b> , Rajendra Sonkawade, N.P. Singh, Komal Badhan (2010). “Analysis of terrestrial naturally occurring radionuclides in soil samples from some areas of Sirsa District of Haryana, India using Gamma Ray Spectrometry”. <i>Environment Earth Sciences (Springer publications)</i> , 59 (5), pp: 1159-1164. ISSN No.: 1866-6280 (print version), 1866-6299 (electronic version).			
3. <b>Sandeep Kansal</b> , Rohit Mehra, N.P. Singh (2011). “Uranium concentration in ground water samples belonging to some areas of Western Haryana, India using fission track registration technique”. <i>Journal of Public Health and Epidemiology (Academic journals)</i> , 3(8), pp. 352-357. ISSN: 2141-2316.			
4. <b>Sandeep Kansal</b> , Rohit Mehra, N.P. Singh (2012). “Life Time Fatality Risk Assessment due to Variation of Indoor			

Radon Concentration in Dwellings in Western Haryana, India”. *Advanced Radiation and Isotopes (Elsevier publications)*, 70 (7), pp. 1110-1112. ISSN: 1350- 4487, Impact factor: 1.172.

5. **Sandeep Kansal**, Rohit Mehra, N.P. Singh, Pankaj Bala (2015). “Evaluation and Analysis of <sup>226</sup>Ra, <sup>232</sup>Th and <sup>40</sup>K and Radon Exhalation Rate in the Soil Samples Collected from Some Parts of Western Haryana, India for Health Risk Assessment”. *Int. J. Low Radiation (IJLR) (Inderscience publications)*, ISSN: 1477-6545. Vol. 10, No. 1, pp.1–13.

**II. PUBLICATIONS IN NATIONAL REFEREED JOURNALS (Total 04):**

**III. PUBLICATIONS IN THE CONFERENCE PROCEEDING (Total 02):**

1. **Sandeep Kansal**, Rohit Mehra, N.P. Singh (2013). “Radon Gas Measurement in the Ground Water Samples from Western Parts of Haryana, India using RAD7 Active Detector”. *International Conference on Environment, Science & Engineering (ICESE-2013), 20-21 June 2013 at Toronto, Canada.* P ISSN 2010-376, eISSN 2010-3778. pp 2215-2221.

**Key Administrative Positions Held/ Duties performed:**

<b>Nodal Officer (Sanctioning Authority)</b> , PMS Scheme for SC, BC students of affiliated 60 colleges with MRSPTU Bathinda
<b>Member of BOG</b> of GTBK CIT Chhapianwali
<b>Member of Faculty of Sciences</b> , MRSPTU Bathinda
<b>Chairman/ member</b> of various Inspection committee for setting up of new colleges/ courses under MRSPTU Bathinda
<b>Ph D Coordinator</b> for DDRC of Physics Deptt, MRSPTU Bathinda
<b>Head / Coordinator, Deptt of Applied Physics</b> , GZSCCET Bathinda since 2012
<b>Chairman BOS Physics MRSPTU Bathinda</b>
<b>Member BOS Physics SBSTechnical Ccampus Ferozpur</b>
<b>Coordinator</b> , Cultural Activities (2011-2013)
<b>In charge for Students MCM scholarship</b> recommendation on National portal
<b>Coordinator/convenor</b> for celebration of National Science Day on 28 <sup>th</sup> Feb., 2012, 2015, 2016
<b>In charge, Academics</b> for Applied Sciences Deptt.
<b>In charge Horticulture</b> , GZSCET Bathinda (2004-2006)
<b>In charge Bus Passes</b> recommendation for students upto 2010.
<b>Academic In charge</b> of Engg 1 <sup>st</sup> year branch every year.
<b>Chief Coordinator</b> for organising two days Annual Techno-Cultural fest Tarranum 2011, 2012, 2013.
Organised National Science Day celebrations as <b>Cordinator/ convenor</b> on 28 <sup>th</sup> Feb., <b>2011, 2012, 2013, 2014, 2015, 2016.</b>
<b>Convenor for organising</b> expert lecture on Swami Vivekananda Ji in Aug 2013.
<b>Chairman/ member</b> for purchase & inspection committees
<b>Member</b> of student and college level enquiry committee
<b>Expert</b> for the conduct of interviews for Assistant Prof. in Physics every year in college.
<b>Time table Incharge</b> preparation for B Tech 1 <sup>st</sup> year & M. Sc Physics
Performed Anti Ragging duties in boys hostels every year
Convenor for Cultural committees during Athletic meet and other activities in the college
Paper setter, paper evaluator, practical examiner, M. Tech thesis evaluator, Flying squad coordinator/ observer

**\*Received Appreciation Letter from Campus Director “for Sense of Responsibility, Dedication and Leadership Exhibited During Organization of two day and night Annual techno-cultural festival in 2012”.**

**\* Designed Study Scheme and Curriculum of M. Sc. Physics & B. Tech courses for MRSPTU Bathinda (for 2016 batch onwards) and of M. Sc. Physics course for IKGPTU Jalandhar (for 2012 batch onwards).**

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