

Faculty Profile

Name	:	Dr Tanveer Ahmad Wani
Designation	:	Assistant Professor
Department/School/Special Centre	:	Physics/SOS
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Qualifications	:	M.Sc, Ph. D
Areas of Teaching Interest	:	Quantum Physics, Advanced Condensed Matter Physics
Areas of Research Interest/Specialization	:	Material Sciences
Experience	:	07 Years
Awards & Honours	:	<ol style="list-style-type: none"> 1. Fellowship for Training of Young Scientists, Madhya Pradesh Council of Science and Technology at 28th M.P. Youth Science Congress (MPYSC), March 2013 2. Certificate of work Rastriya Seva Yojana Madhya Pradesh (in accordance with UNISEF), Bhopal 2010 3. Certificate of Honour Madhya Pradesh Council of Science and Technology at 26th M.P. Youth Science Congress (MPYSC), Jawahar Lal Nehru Krishi Vishwavidhalaya Jabalpur, 28-1 March 2011 4. Certificate of Participation in Best Science Research Award, MPCST-IPR Cell B.U, March 2013 5. Certificate of Appreciation Researchers Society of Chemical Sciences (RSCS), Sept 19, 2015
International Collaboration/Consultancy	:	Nil
Best Peer Reviewed Publications (upto 5)	:	<ol style="list-style-type: none"> 1. Electricity Forecasting Using Regression Techniques, 226, v2: Traces-2018, Springer 2. First Principles Calculations of Thermodynamical Properties of ZrB₂, Archives of Thermodynamics, Vol. 39, 2018 (In press) 3. Debye Temperatures of Transition Metal Diborides TMB₂ (TM= Ti, Zr, Os, Nb, Ru) Under Pressure, International Journal of Thermodynamics (IJoT), Vol. 18, No. 1, 2015 4. Van der Waal Contribution to the Lattice Potential in Alkali Halides, Optoelectronics & Advanced Materials– Rapid Comm., Vol. 7, No. 9-10, 2013

		5. An Analysis of Integral Challenges and Promises for Technological Applications of Emerging HTSC, Integrated Ferroelectrics, 118, 2010
Recent Peer Reviewed Journals/Books (upto 3)	:	<ol style="list-style-type: none"> 1. Nonlinear coupled ion acoustic wave (IAW) with inertial Alfvén wave (AW): An application to solar coronal heating, 224, v2: Traces-2018, Springer 2. Basic Environmental Physics, Pragati Prakashan, Meerut U.P. India 978-93-50064-76-4 3. A Textbook of Engineering Physics Laboratory, Aman Prakashan, Sagar M.P. India 978-93-80296-21-0