


Curriculum Vitae – Prof. P D Semalty

Full Name	P D Semalty			
Designation	Professor, Convener & Head Department HNB Garhwal University			
Department	Physics			
Campus	SRT Campus Badshahithaul			
Address	Department of Physics H.N.B. Garhwal University S R T Campus Badshahithaul, Tehri			
Mobile	9411572928			
Email	Semalty@rediffmail.com semaltypd@gmail.com			
Education Qualification	Degree	University	Year	
	M. Sc.	HNBGU	1882	
	D. Phil.	HNBGU	1990	
Teaching Experience	33 Years	Research Experience	36 Years	
Research Interest and Fields of Specialization				
Solid State Physics, Condensed Matter Physics				
Research Supervision: (No. of Ph.D. Degree Awarded - 07, Registered -01)				
Administrative Experience				
1. Convener BOS and Head HNB Garhwal University since January 2018. 2. Working as Head Department of Physics, SRT Campus, HNB Garhwal University since 1995. 3. Worked as Hostel Warden, Proctor, and Election Officer and in many other administrative positions in the university.				
Conference/Symposium/Workshop Attended during last five years (2014-2019)				
<u>International:</u>				
1. International Conference of Aerosols, Air quality and climate Change on Himalayan Region of Uttarakhand, Srinagar (Garhwal), India, October 21-23, 2018.				
<u>National:</u>				
2. National Symposium on “Mind, Matter and Mathematics: A Dialogue” jointly organized by Govt. PG college New Tehri and Department of Physics, H.N.B.Garhwal University campus Badshahithaul from 12-14 March, 2014.				
3. National Seminar on “Geo-Environmental Hazards and Neo-Tectonic Activities in Himalaya” 28-30 October 2014, Organized by Dept. of Geology, S.R.T. Campus, H N B Garhwal University, Badshahithaul.-Attended				
4. National Conference on Sustainable Development of India: Challenges and Remedies, H.N.B.				

Garhwal University, Badshahithaul Campus, Tehri, March 22-23, 2014.

5. National Conference on “Radiation Awareness and Detection in Natural Environment” (RADNET-I), 15-17 June 2015, organized by Govt. PG college New Tehri and H.N.B.Garhwal University, Campus Badshahithaul.
6. National conference on “ Importance of Scientific & Technical terminology in Geology of Uttarakhand” Organized by Commission of Scientific & Technical Terminology, MHRD, Govt. of India at HNBGU Camus Badshahithaul, India, May (30-31), 2019

Conference/Symposium/Workshop Organized during last five years (2012-2017):

1. National Symposium on “Mind, Matter and Mathematics: A Dialogue” jointly organized by Govt. PG college New Tehri and Department of Physics & Mathematics, H.N.B.Garhwal University campus Badshahithaul from 12-14 March, 2014.
2. National Conference on “Radiation Awareness and Detection in Natural Environment” (RADNET-I), organized by Govt. PG college New Tehri and Department of Physics H.N.B. Garhwal University, Campus Badshahithaul. 15-17 June 2015,

Publications during last five years(2014-2019):

Journals:

1. *Vibrational properties of vacancy in bcc Nb using embedded atom method*, Gairola V, **Semalty P D** and Ram P. N. *Indian J. Phys.* **88**, 171(2014). Impact Factor:1.35
2. *Vibrational properties of vacancy in Na and K using MEAM potential*, Gairola V and **Semalty P D**, *Communication in Computational. Phys.* **15**, 556 (2014). Impact Factor: 1.42
3. *Vibrational properties of vacancy in Au using embedded atom method potentials*, Ram P N, Gairola Vandana and **Semalty P D**; *Journal of physics and chemistry of solids*; **94**, 41 (2016) . Impact Factor: 2.048

Proceedings: (International conference)

1. *Divacancy binding energy,formation energy and surface energy of BCC transition metals using MEAM potentials*, Uniyal Shweta, Manesh Chand, Joshi Subodh and **Semalty P D**; *AIP Conf. Proc.* **1728**, 020194(2016); doi: 10.1063/1.4946245. Impact Factor: 0.22
2. *Vibrational properties of TaW alloy using modified embedded atom method potential*, Manesh Chand, Uniyal Shweta, Joshi subodh and **Semalty P D**; *AIP Conf. Proc.* **1728**, 020113(2016); doi: 10.1063/1.4946164. Impact Factor: 0.22
3. *Phonon dispersion and local density of states in NiPd alloy using modified embedded atom method potential*, Joshi Subodh, Manesh Chand, Dabral Krishana and **Semalty P D**; *AIP Conf. Proc.* **1728**, (2016); doi: 10.1063/1.4946139. Impact Factor: 0.22

Total Number of Research Publications: 25