

## **Curriculum Vitae**

### **Dr. Neeraj Chamoli**

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#### **Educational Qualification**

- Matric from Haryana board in 1992
- 12<sup>th</sup> (Non-Medical) from CBSE in 1994
- B.Sc. Hons. (Maths) from PU in 1997
- M.Sc. (Maths) from PU in 1999
- Qualified UGC-CSIR-NET-JRF in June 2000
- Qualified GATE in February 2001
- Ph.D. from Punjabi University, Patiala in 2013

#### **Teaching Experience**

- Worked as Lecturer in SUSCET, Tangori, Mohali from 6<sup>th</sup> Aug, 2001 to 12<sup>th</sup> Dec, 2012 and from 7<sup>th</sup> Jan, 2002 to 24<sup>th</sup> May, 2002 on contractual basis.
- Worked as Lecturer in DAV College, Chandigarh from July, 2002 to Feb, 2003 on contractual basis.
- Worked as Lecturer in DAV College, Chandigarh from July, 2003 to Mar, 2006 on temporary basis.
- Working as Assistant Professor in DAV College, Chandigarh since July, 2006 on regular basis.

#### **Seminars/workshops/conferences attended**

- Participated in Mathematical Training and Talent Search Programme funded by NBHM held at I.I.T. Chennai from 18<sup>th</sup> May to 13<sup>th</sup> June, 1998.
- Attended a Training Workshop on Curriculum Orientation Programme held at D. A. V. Model School, Sector-15A, Chandigarh from September 13-14, 2003.
- Attended 91st Session of Indian Science Congress Association held at Panjab University, Chandigarh from January 3-7, 2004.
- Participated in regional one day seminar cum workshop on Biodiversity Conservation and Soil and its Cover Management through Vermitechnology held at GCG-11, Chandigarh on 11<sup>th</sup> March, 2005.

- Participated in One Day Training Programme cum Seminar for Science Teachers on Designing/Formulating a Research Project held at D. A. V. College, Sector-10, Chandigarh on 20<sup>th</sup> September, 2005.
- Participated in one day workshop on E-content Development and Question Generation held at Panjab University, Chandigarh on 19<sup>th</sup> May, 2010.
- Attended a workshop on Ethical Hacking and Information Security held at D. A. V. College, Sector-10, Chandigarh from January 20-21, 2012.
- Participated in the Colloquium in Mathematics in the Thrust areas of Algebra, Number Theory and Applied Mathematics held on February 22-23, 2013 at the Department of Mathematics, Panjab University, Chandigarh.

### **Orientation/Refresher Courses attended**

- Attended an Orientation Programme held at Academic Staff College, Panjab University, Chandigarh from 19<sup>th</sup> February, 2010 to 18<sup>th</sup> March, 2010.
- Participated in Refresher Course in Environmental Awareness held at Panjab University, Chandigarh from March 3-23, 2012.
- Participated in Refresher Course in Human Rights and Gender Studies held at Panjab University, Chandigarh from 18<sup>th</sup> March, 2014 to 7<sup>th</sup> April, 2014.

### **Papers presented**

- Presented a paper entitled “Study of Creep in a Rotating Disc of Al-SiCp using Von Mises and Tresca Field Criteria” at National Conference of Emerging Trends in Engineering Materials held at Thapar Institute of Engineering and Technology, Patiala from February 1-3, 2007.
- Presented a paper entitled “Effect of anisotropy on the creep of a rotating disc of Al-SiCp composite” at National Seminar on Mathematics and Its Applications held at Punjabi University, Patiala on 20<sup>th</sup> December, 2012.
- Presented a paper entitled “Effect of Particle Gradient on the creep of FGM disc” at workshop on Mathematical Modeling and Computational Techniques held at Panjab University, Chandigarh from September 27-28, 2013.
- Presented a paper entitled “Creep in Rotating Cylinders Subjected to Thermal Gradients” in International Conference on Modeling, Simulation and Optimizing Techniques (ICMSOT-2015) held at DAV College, Jalandhar during February 12-14, 2015.
- Presented a paper entitled “Creep Analysis of Anisotropic Parabolically Increasing FG Rotating Disc at Linearly Decreasing Temperature” in National Conference on Role of Mathematics and Computer Science in Advancement of Physics (RMCSAP-2016) held at Govt. Degree College, Kathua, J & K during 26<sup>th</sup> and 27<sup>th</sup> February 2016.

## List of Publications

- Chamoli, N., Singh, S. B. and Ray, S. (2009), "Study of Creep in a Rotating Disc of Al-SiCp using von Mises and Tresca Yield Criteria." *Bulletin of Calcutta Mathematical Society*, 101(4): pp. 375-386.
- Chamoli, N., Rattan, M. and Singh, S. B. (2010). Effect of Anisotropy on the Creep of a Rotating Disc of Al-SiCp Composite. *Int. J. Contemp. Math. Sciences*, 5 (11): pp. 509-516.
- Rattan, M., Chamoli, N. and Singh, S. B. (2010). "Creep Analysis of an Isotropic Functionally Graded Rotating Disc." *International Journal of Contemporary Mathematical Sciences*, 5(9), pp. 419-431.
- Chamoli, N., Rattan, M. and Singh, S. B. (2012). "Study of Stresses and Strain Rates in a Rotating Cylinder using von Mises and Tresca Yield Criteria Subjected to Internal and External Pressure." *International Journal of Computational Materials Science and Engineering*, 1(2): pp. 1-15.
- Rattan, M., Chamoli, N., Singh, S. B. and Gupta N. (2013). "Creep Behavior of Anisotropic Functionally Graded Rotating Discs." *International Journal of Computational Materials Science and Engineering*, 2(1); (doi: 10.1142/S204768411350005X)
- Minto Rattan, Aditya Kaushik, Neeraj Chamoli, Tania Bose (2016). "Steady state creep behavior of thermally graded isotropic rotating disc of composite taking into account the thermal residual stress" *European Journal of Mechanics - A/Solids*, Volume 60, pp. 315-326.
- Minto Rattan, Tania Bose, Neeraj Chamoli (2017). "Effect of Linear Thermal Gradient on Steady-State Creep Behavior of Isotropic Rotating Disc." *International Journal of Mechanical, Aerospace, Industrial, Mechatronic and Manufacturing Engineering*, 11(5): pp. 1028-1034.