

Curriculum Vitae

Tanupreet Kaur

Carrier Objective

- To embark upon a career which provides me with an opportunity to develop & perform.
- To contribute through dedication, hard work and sincerity towards scientific growth of the institute.
- To become a successful person in my life.

To achieve the peak level of my performance.

Educational Qualifications

Class/Degree	Board/University	Year	Marks	%age/ CGPA
Ph.D. (Mathematics)	Thapar University, Patiala		Thesis submitted	
M.Sc (Maths and Computing)	Thapar University, Patiala	2012		8.43/10
B.A. (Maths, Economics, Geography)	Punjabi University, Patiala	2010	1845/2700	68.33
10+2	P.S.E.B	2007	367/500	73.4
Matric	P.S.E.B	2005	644/850	75.76

Academic achievements

- Awarded by college color in B. A first and second year.

Teaching Experience

- Teaching Assistant from July, 2015 till June, 2016 in School of Mathematics, Thapar University, Patiala.
- Teaching Assistant from August, 2013 to December, 2015 in School of Mathematics, Thapar University, Patiala.
- Subject taught: Numerical Analysis, Calculus, Differential Equations and Statistics to the undergraduate engineering students.
- Numerical analysis Laboratory (C language) classes to the undergraduate engineering students.

Membership in Scientific Organizations

- Life member of “**THE INDIAN MATHEMATICAL SOCIETY**”, Pune, India.

Seminar/Dissertation Presented

- Presented seminar on the topic of “Commuting mappings and their variants in fixed point theory” in M.Sc.
- M.Sc dissertation on “Fixed point theorems on contraction and commuting mappings”.

Publications

- **Tanupreet Kaur**, Satish Kumar Sharma, and Abhishek Kumar Singh. “Influence of imperfectly bonded micropolar elastic half-space with non-homogeneous viscoelastic layer on propagation behavior of shear wave.” **Waves in Random and Complex Media** (2016) DOI:10.1080/17455030.2016.1185191. (**SCI, Impact factor: 0.952**).
- **Tanupreet Kaur**, Abhishek Kumar Singh, Amares Chattopadhyay, and Satish Kumar Sharma. "Dynamic response of normal moving load on an irregular fiber-reinforced half-space." *Journal of Vibration and Control* 22 (1): 77-88, 2016. (**SCI, Impact factor: 4.355**).
- **Tanupreet Kaur**, Satish Kumar Sharma, and Abhishek Kumar Singh. "Dynamic response of a moving load on a micropolar half-space with irregularity." *Applied Mathematical Modelling* 40 (5-6): 3535-3549, 2016. (**SCI, Impact factor: 2.251**).
- **Tanupreet Kaur**, Satish Kumar Sharma, and Abhishek Kumar Singh. "Effect of reinforcement, gravity and liquid loading on Rayleigh-type wave propagation." *Meccanica* (2016) DOI 10.1007/s11012-016-0379-1. (**SCI, Impact factor: 1.949**).
- Abhishek Kumar Singh, Kshitish Ch Mistri, **Tanupreet Kaur**, and Amares Chattopadhyay. “Effect of undulation on SH-wave propagation in corrugated magneto-elastic transversely isotropic layer.” *Mechanics of Advanced Materials and Structures* (2015): DOI:10.1080/15376494.2015.1124952. (**SCI, Impact factor: 0.773**).
- **Tanupreet Kaur**, Satish Kumar Sharma, and Abhishek Kumar Singh. "Shear wave propagation in vertically heterogeneous viscoelastic layer over a micropolar elastic half-space." *Mechanics of Advanced Materials and Structures* (2015) DOI: 10.1080/15376494.2015.1124948. (**SCI, Impact factor: 0.773**).

Papers Presented in National/ International Conferences/ Symposium in India

- “Rayleigh type surface waves in self-reinforced semi-infinite medium under the influence of liquid loading” in **XIIIth International conference on Special Functions and their Applications** (ICSFA 2014) and symposium on applications of mathematics in engineering sciences at Thapar University, Patiala, Punjab, India during October 16-18, 2014.
- “Influence of moving load on the stresses developed in an irregular reinforced substrate” in **International Conference on Mathematics-2015** organized by University of Kerala, India in collaboration with International Multidisciplinary Research Foundation during November 26-28, 2015.

- “Effect of irregularity on the stresses developed due to moving load in a self-reinforced half-space” through oral presentation session in **National Conference on Wave Mechanics and Vibrations Mathematics - 2015** organized by Department of Applied Mathematics, Indian School of Mines (ISM), Dhanbad, Jharkhand, India during December 21-23, 2015.

Workshops Attended

- “Role and relevance of Ethics and IPR in dynamic business environment” organized by School of Behavioral Sciences and Business Studies, Thapar University, Patiala on August 29, 2013..
- “Material Tailoring in Functionally Graded Structures” Organized by Mechanical Engineering Department, Thapar University, Patiala from 11 December, 2013 to 3 January, 2014.
- “Conservation Laws with Applications to Continuum Mechanics” organized by Department of Mathematics, Punjab University, Chandigarh during 2nd -7th December, 2014.
- “Excel Modeling a Boon for Design Markers” organized by LM Thapar School of Management, Thapar University, Patiala from 11th to 12th October, 2015.

Strengths

- Hardworking and honest student.
- Punctuality and Sincerity.
- Commitment towards work.
- Keen to know things and to improve my knowledge.

Computer Proficiency

- Basic knowledge of Office applications, Latex, Linux.
- Know programming languages like C, Matlab, Mathematica, Maple etc.

Personal Information

Nationality: Indian.
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Mobile No.: 91- 8699913601
Email: tanupreet12@gmail.com

Declaration

I hereby declare that the above information furnished are true and correct to the best of my knowledge.

Date:
Place: Patiala

Signature: Tanupreet Kaur