

CURRICULUM VITAE

Dr. Kavita

Assistant professor

Department of Mathematics,

Vallabh Govt. College Mandi, Distt. Mandi ,

Himachal Pradesh, India- 175001

Email: kavi6991@gmail.com

Url: https://www.vgcmandi.co.in/Mathematics_dept.aspx

Personal:

- Name: Kavita
- Date of Birth: September 06, 1991
- Nationality: Indian
- Sex: Female
- Marital Status: Married
- Husband Name: Dr. Dinesh Bhatia

Education:

- ❖ Ph. D from Department of Mathematics and Statistics, Himachal Pradesh University, Shimla on topic “Linear and Weak nonlinear stability analysis of thermal convection in viscous and viscoelastic nanofluids”. (6th Jan. 2023)
- ❖ M.Sc. in Mathematics from Himachal Pradesh University, Shimla.(2015)
- ❖ B.Sc. (non-medical) from RKMV Shimla, H.P.(2012)
- ❖ B.Ed from HPU, Shimla.(2013)
- ❖ Qualified H.P. SLET in 2015.

Employment Record :

- ❖ First Joining Date: 30th Nov. 2016 (Contract Basis through HPPSC)
Regularized: 1st June 2020
- ❖ Join TJCM Govt. degree college Sujampur Tihra, Distt. Hamirpur, H.P.
(30/11/2016 to 22/11/ 2021)
- ❖ Present Station: Vallabh Govt. College Mandi from 22/11/2021
- ❖ Job Experience: 6 year 3month

List of Publications in National and International Journals

1. Veena Sharma, Kavita, Abhilasha and Sumit Gupta, "Overstable magneto-thermal convection in a viscoelastic ferromagnetic fluid saturating a porous medium", *Journal of International Academy of Physical Sciences*, India, **22**(4), 279-300 (2018), UGC Care List.
2. Veena Sharma and Kavita, "Hall effect on magneto-thermal stability of viscoelastic ferromagnetic fluid saturating porous medium", *Proceedings of the International Conference on Mathematics in Space and Applied Sciences (ICMSAS-2019)*, India, 290-308 (2019), Peer Reviewed.
3. Kavita, Veena Sharma and Anuradha Chowdhary, "The influence of pulsating throughflow on the onset of electrohydrodynamic instability in rotating nanofluid saturated anisotropic porous layer: A realistic model", *Journal of Education: Rabindrabharati University*, India, **XXIII** (10), 41-60 (2021), UGC Care List.
4. Kavita, Veena Sharma and G.C. Rana, "Electroconvection in rotating pulsating throughflow nanofluid saturated by porous layer with realistic model", *Structural Integrity and Life*, Serbia, **22**(1), 85-93 (2022), Scopus (Indexed).
5. Veena Sharma, Kavita and Anuradha Chowdhary, "Oscillatory modes on the onset of electrohydrodynamic instability in Oldroydian nanofluid saturated anisotropic porous layer", *Journal of Nanofluids*, USA (2022), Scopus and SCI (Indexed), (Accepted for publication).
6. Kavita, Veena Sharma and Poonam Kumari Gautam, "Linear and weakly nonlinear stability analysis in rheological ferromagnetic fluid layer", *An Introduction to approximation Methods* (book Chapter)(2023), NOVA Publishers USA (Accepted for publication).

List of Conferences/Seminars/Workshops Attended

1. Presented a paper entitled "Hall effect on magneto-thermal stability of Rivlin-Ericksen ferromagnetic fluid saturating a porous medium", in the *International Conference on Mathematics Sciences Interface Humanity (ICMSIH-2016)*, organized by the Department of Mathematics, Government College Barsar (Hamirpur), Himachal Pradesh, held on October 7-8, 2016.
2. Presented a paper entitled "Hall effect on magneto-thermal stability of viscoelastic ferromagnetic fluid saturating porous medium", in the *International Conference on*

Mathematics in Space and Applied Sciences (ICMSAS-2019), organized by the Department of Mathematics, NSCBM Government College Hamirpur, Himachal Pradesh, held on November 29-30, 2019.

3. Presented a paper entitled “Existence of oscillatory modes in electrothermal convection of non-Newtonian nanofluid with anisotropy: A realistic Darcy-Brinkman model”, in the *Virtual International Conference on Emerging Trends in Engineering, Science, Management and Commerce (ETESMC-2021)*, organized by the Madhyanchal Professional University, Bhopal, Madhya Pradesh, held on May 21-22, 2021.
4. Presented a paper entitled “The influence of pulsating throughflow on the onset of electrohydrodynamic instability in rotating nanofluids saturating porous layer”, in the *International Conference on Advances in Multi-Disciplinary Sciences and Engineering Research (ICAMSER-2021)*, organized by Chitkara University Himachal Pradesh, held on July 2-3, 2021.
5. Presented a paper entitled “The influence of pulsating throughflow on the onset of electrohydrodynamic instability in rotating nanofluids saturating anisotropic porous layer: A realistic model”, in the *2nd Online Mega International Conference on Continuity, Consistency and Innovation in Applied Sciences and Humanities (ICCIASH-2021)*, organized by the Department of Science and Humanities, St. Martin’s Engineering College Secunderabad, Telangana, held on July 29-30, 2021.
6. Presented a paper entitled “Pulsating impact on electroconvection instability in rotating nanofluid saturated anisotropic porous layer: A realistic model”, in the *International Conference on Recent Trends in Mathematics (HIMS)*, organized by the Department of Mathematics and Statistics, Himachal Pradesh University, held on September 6-7, 2021.
7. Presented a paper entitled “Oscillatory and non-oscillatory convection on the onset of electrohydrodynamic instability in rheological nanofluid saturated porous layer: A realistic model”, in the *International Conference on Recent Trends in Mathematical Sciences*, organized by *Himachal Ganita Parishad* in collaboration with Department of Mathematics and Statistics, Himachal Pradesh University, held on December 11-12, 2021.
8. Presented a paper entitled “Thermal convection of Jeffrey nanofluid with internal heat source in a porous medium: A realistic model”, in the *2nd International Conference on Recent Trends in Mathematical Sciences*, organized by *Himachal Ganita Parishad* in

collaboration with Department of Mathematics and Statistics, Himachal Pradesh University, held on December 27-28,2022.

Research Society membership

- **LIFE MEMBERS OF HIMACHAL GANITA PARISHAD**
- **LIFE MEMBERS OF HIMACHAL MATHEMATICS SOCIETY (HIMS)**