Dr.Kanu Mehta
(Assistant Professor)
Department of Mathematics
St. Bede's College, Shimla

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EDUCATIONAL QUALIFICATIONS: B.Sc. (Non medical), M.Sc. (Mathematics), M.Phil, PhD.

Sr. No.	Degree	Subject	College/University	Year of Passing
1	B.Sc.	Non medical	MCM DAV college Kangra (H.P.)	2006
2	M.Sc.	Mathematics	Himachal Pradesh University	2009
3	M.Phil	Applied Mathematics	Himachal Pradesh University	2010
4	Ph.D	Applied Mathematics	Himachal Pradesh University	2016

TOTAL TEACHING EXPERIENCE:
Teaching Experience at St. Bede's College: 4 years

SUBJECTS TAUGHT
UG: Differential Equations, Algebra, Vector Calculus, Numerical methods, Transportation and Game theory, BCA (Mathematics), Quantitative techniques (BBA), Biostatistics, Mathematics statistics.

OTHER RESPONSIBILITIES
Incharge:
Women Cell, Ship-Chirag
Member:

IQAC-Criterion 2, PTA, Annual Day and Awards, Aishe

ACHIEVEMENTS
- ❖ **PUBLICATIONS**
- ➢ **Paper Publications**

- **Vaid, K**., Prakash, J., 'On Linear Growth Rates in Thermohaline Convection with Viscosity Variations',*Res. J. Sc. Tech.*, **5(1)**,140-143(2013) ISSN-0975-4393.

- **Vaid, K**., Prakash, J., andBala, R.,'On Hydromagnetic Thermohaline Instability in Porous Medium: Darcy Model',*Proceedingsof National Conference on Advances In Mathematics and Its Applications*, *NIT Hamirpur (H.P.)*, 84-90, (2013) ISBN-978-93-83083-22-0.

- **Vaid, K**., Prakash, J., and Bala, R.,'On Stationary Convection of an Oscillatory Motions in Maxwell Fluid in a Porous Medium Heated from below(The case of Hydrodynamic Boundary and Constant Flux Conditions)', *Proceedings of National Conference on Advances In Mathematics and Its Applications, NIT Hamirpur (H.P.),* 91-95,(2013) ISBN-978-93-83083-22-0.

- **Vaid, K**., Prakash, J., 'Characterization of Magnetorotatory Thermohaline instability in Porous Medium: Darcy Brinkman Model', *Int. J. Innov. Res. Sc. Eng. Tech.*,**2(12),** 7266-7272, (2013)ISSN: 2319-8753

- **Vaid, K**., Prakash, J., Bala, R.,and Kumar,V., 'Characterization of Rotatory Thermohaline Instability in Porous Medium: Darcy Model',*Proceedings of the Fortieth National Conference on Fluid Mechanics and Fluid Power,* 2013, FMFP 2013-311,1161-1168, ISBN:978-93-82880-90-5.

- **Vaid, K**., Prakash, J., Bala, R.,and Kumar,V.,**'**On Arresting the Linear Growth Rate of a Maxwell Fluid in a Porous Medium Heated from Below',*Proceedings of the Fortieth National Conference on Fluid Mechanics and Fluid Power*, 2013, FMFP 2013-312, 1169-1176, ISBN:978-93-82880-90-5.

- **Vaid, K**., Prakash, J., andBala, R.,'Upper Limits to the Complex Growth Rates in Triply Diffusive Convection', *Proc. Ind. Nat. Sc. Acad*., **80(1),** 115-122,(2014).

- **Vaid, K**., Prakash, J., andBala, R.,'Characterization of Magnetorotatory Thermohaline Instability in Porous Medium: Darcy Model', *Int.J. Tech*., **4(1),**32-36,(2014), ISSN:2231-3915

- **Vaid, K**., Prakash, J., Gupta, S.K., andBala, R.,'A Semicircle Theorem in Triply Diffusive Convection', *Int. J. Tech*., **4(1),** 210-213, (2014) ISSN:2231-3915.

- **Vaid, K**., Prakash, J., andBala, R.,'On the Principle of the Exchange of Stabilities in Rotatory Triply Diffusive Convection', *Proc. Nat. Acad. Sc., Physical Sciences, India, (Springer)*,**84(3)** 433–439, (2014) ISSN: 0369-8203.

- **Vaid, K**., Prakash, J., andBala, R.,'On the Characterization of Non Oscillatory Motions in Magnetorotatory Triply Diffusive Convection, *Proc. Ind. Nat. Sc. Acad*., **80(2),** 197-209,(2014).

- **Vaid, K**., Prakash, J.,'On Hydromagnetic Thermohaline Instability of Veronis Type in Porous Medium', *Int. J. Math. Arch*. **5(8)**, 129-134,(2014),ISSN 2229 – 5046.

- **Vaid, K**., Prakash, J., andBala, R.,'On the Characterization of Non Oscillatory Motions in Triply Diffusive Convection', *Int. J. Fluid Mech. Res.(Begell House)*, **41(5)**, 409-416,(2014),ISSN 1064-2277.

- **Vaid, K**., Prakash, J., andBala, R., 'Upper Limits to the Complex Growth Rates in Magnetorotatory Triply Diffusive Convection', *Proc. Nat. Acad. Sc., Physical Sciences, India (Springer)*, **85(1),**87–97(2014), ISSN 0369-8203.

- **Vaid, K**., Prakash, J., and Bala, R.,'On Hydromagnetic Thermohaline Instability in Porous Medium', Recent Trends in Algebra and Mechanics, Indo American Books, (2014), 121-130 (Delhi).ISBN 93-82661-23-9

- **Vaid, K**., Prakash, J., and Bala, R.,'On Arresting the Complex Growth Rates in Triply Diffusive Convection', Recent Trends in Algebra and Mechanics, Indo American Books, (2014), 291-298 (Delhi). ISBN 93-82661-23-9

- **Vaid, K**., Prakash, J.,Manan, S., and Singh, V.,'On Rotatory Hydrodynamic Triply Diffusive Convection in Porous Medium: Darcy Model', *Res. J. Eng. Tech*., **6(1)**, 19-22(2015).

- **Vaid, K**., Prakash, J., and Bala, R.,'On the Characterization of Magnetohydrodynamic Triply Diffusive Convection', *J. Magn. Magn. Mater. (**Elsevie**r)*, **377**,378–385(2015).

- **Vaid, K**., Prakash, J.,Manan, S., andKumar, R., 'Characterization of Triply Diffusive Convection', *Int. J. Extensive Res*., **3,** 87-92, (2015) ISSN: 2394-0301.

- **Vaid, K**., Prakash, J.,'Characterization of Rotatory Thermohaline Instability in Porous Medium: Darcy Brinkman Model', *Adv. Apl. Sc. Res.*, **6(6)**,153-158,(2015)ISSN: 0976-8610.

- **Vaid, K**., Prakash, J., and Bala, R., 'On Arresting the Complex Growth Rates in Magnetohydrodynamic Triply Diffusive Convection', *International Journal of fluid Mechanics Research*, **42(5)**, 391-403,(2015) ISSN:2152-5102.

- **Vaid, K**., Prakash, J., Bala, R. and Kumar, V.,'Characterization of Rotatory Hydrodynamic Triply Diffusive Convection', *ZAMP (Z. Angew. Math. Phys.)(Springer)*,**66(5),** 2665-2675,(2015)ISSN: 1420-9039.

- **Vaid, K**., Prakash, J., Bala, R. and Kumar, V., 'On Arresting the Complex Growth Rates in Rotatory Triply Diffusive Convection', *AAM*, **11(2),** 722-734(2016),ISSN:1932-9466.

❖ **Paper Presentations**

- Presented a paper in "International Conference in Mathematical Sciences",held at Govt. College Haripur, Manali,8-9 march,2013.

- Presented a paper in"National Conference on Recent Advances in Continuum Mechanics",held at Himachal Pradesh University Shimla,29-30 march,2013.

- Presented papers in"National Conference on Advances in Mathematics & its Applications",held at NIT Hamirpur, 25-27 June 2013.

- Presented papers in"40ᵗʰ National Conference on Fluid Mechanics & Fluid Power",held at NIT Hamirpur, 12-14,Dec 2013.
- Presented a paper in"International Conference on Advances on Pure and Applied Mathematics", held at Govt. College Haripur, Manali, march 7-9 2014.
- Presented a paper in"International Conference in Algebra and Allied Fields",held at Himachal Pradesh University Shimla,26-27 march,2014.
- Presented a paper in"National Seminar on New Dimensions in Mechanics and Allied Fields",held at Himachal Pradesh University Shimla,27-28, Nov,2015.
- Presented a paper in National Conference on "Novel Progression In Science and Technology", held at St. Bedes College, Shimla, 28-29 November, 2022.

- Presented a paper in International Conference on "Recent Advances in Mathematical Sciences", held at Himachal Pradesh University Shimla, 29-30 march, 2023.

❖ **Participation in Conferences, Workshops, Seminars/Webinars, FDP/FIP**

- Attended "National Conference on Algebra", at Himachal Pradesh University Shimla, 27-28 march, 2012.
- Participated in "International Conference in Mathematical Sciences",held at Govt. College Haripur, Manali, 8-9 march,2013.
- Participated in "National Conference on Recent Advances in Continuum Mechanics", held at Himachal Pradesh University Shimla,29-30 march,2013.
- Participated in "National Conference on Advances in Mathematics & its Applications", held at NIT Hamirpur, 25-27 June 2013.
- Participated in"40ᵗʰ National Conference on Fluid Mechanics & Fluid Power",held at NIT Hamirpur, 12-14,Dec 2013.

- Participated in "International Conference on Advances on Pure and Applied Mathematics", held at Govt. College Haripur, Manali, march 7-9 2014.

- Participated in"International Conference in Algebra and Allied Fields",held at Himachal Pradesh University Shimla,26-27 march,2014.

- Participated in"National Seminar on New Dimensions in Mechanics and Allied Fields",held at Himachal Pradesh University Shimla,27-28, Nov,2015.

- Attended "International Conference on Algebra and Continuum Mechanics", at Himachal Pradesh University Shimla (2018).

- Participated in two days Faculty Development Program organised by Department of Computer Science, St Bede's College on August 4-5,2020.

- Attended International workshop on "Geometry of Continued Fractions :Ramanujan and his Successors" on September 14-15, 2020.

- Attended International workshop on "Srinivasa Ramanujan :The Man Beyond Infinity" on December 22, 2020.

- Participated in National Webinar on "GST : Basics and issues" on August 10, 2021.

- Attended One day webinar on "One India Best India (Ek Bharat Shreshtha Bharat)" on August 15, 2021.

- Attended National Webinar organized by Centre of Vedic Mathematical studies Central university of Mathematics on September 3, 2021.

- Attended international conference on "Recend Trends in Mathematics" on September 6-7, 2021.

- Participated in Webinar, "The great healer :Literature in the times of pandemic" on September 9, 2021.

- Attended a talk session on "NEP-2020 and the Directions of Change in Higher Education" on September 16, 2021.

- Attended a webinar on Azadi ka Amrut Mahotsav "Science and Technology: India @75" on September 23, 2021.

- Attended a 4-Week Induction/Orientation Programme for "Faculty in universities/Colleges/ Institutes of Higher Education" from December 20, 2021 – January 19, 2022.
- Participated in the Faculty Development Program (online) on "Design and Development of MOOCs" from January 1-5, 2022.
- Participated in the FDP on "Revamping Emotional and Professional Paradigms for an Inclusive Approach to Holistic Education" from March 3- 7, 2022.
- Participated in the FDP on "Academic Writing and Research Methodology: Multidisciplinary" from December 26-30, 2023.