



Government College Chamba

Estd. 1958

राजकीय महाविद्यालय चम्बा

Co-Educational Institution

Affiliated to Himachal Pradesh University

(A Government College Accredited with B+ Grade by NAAC)

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Dr. Tej Singh



Name: Dr. Tej Singh

Designation: Assistant Professor (Department of Mathematics, Government College Chamba-176314(H.P.) INDIA.

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PERSONAL INFORMATIONS:

Father's name: Sh. Mansa Ram

Mother's name: Smt. PreetoDevi

Spouse Name: Mrs.Sheetal

Date of Birth: 22 July, 1980

Place of Birth: Village & P.O. Mehla, Teh. &Distt. Chamba, Himachal Pradesh, PIN-176311, INDIA

Official Designation:

Assistant Professor, Mathematics

Department of Mathematics

Government College Chamba-176314(H.P.) INDIA.

Academic Qualifications:

- B.Sc. (Non-Medical), Himachal Pradesh University, Shimla (2001)
- B.Ed., The University of Kashmir, Srinagar (2003)
- M.Sc. (Mathematics) Himachal Pradesh University, Shimla (2005)
- M. Phil. (Mathematics) Himachal Pradesh University, Shimla (2006)
- Ph. D. (Mathematics) Himachal Pradesh University, Shimla (2009)

Teaching Experience: 16 years (since June, 2006 to June, 2021)

- Taught Mathematics for 6th to 10th classes in Kendriya Vidyalaya Sangathan from October, 2008 to October, 2013.
- Teaching Mathematics for M.Sc. (Mathematics) classes since June, 2006 to October, 2008 as Guest Faculty in Himachal Pradesh University Regional Centre Dharamshala.
- Taught Mathematics for B. A. /B. Sc. classes since October, 2013 to till date.

Teaching Subjects:

- Fluid Mechanics
- Ordinary Differential Equations
- Partial Differential Equations
- Algebra
- Real Analysis
- Differential Calculus
- Vector Calculus
- Integral Calculus
- Complex Analysis
- Mechanics
- Numerical Methods
- Linear algebra
- Probability and Statics
- Transportation and Game Theory

Research Experience: 13 years

- Engaged in research since 2008

Areas of Specialization:

- Magneto Hydrodynamic
- Porous Medium
- Heat Source and Mass Transfer
- Free Convective Flow
- Variable Permeability
- Thermal Radiation
- Chemical Reaction
- Radiation Absorption

Innovations/Contributions in Teaching:

- **Teaching Methods:** Planned and designed lecture materials citing examples from everyday life to reinforce and understand complex physical and abstract Mathematical phenomenon and ideas.
- **Evaluation Methods:** The continuous assessment of students based on tests and assignments have been designed.
- Organized **Remedial Classes** in the College Campus for weaker students
- Performed Examinations duties in various Colleges as Superintendent/ Deputy Superintendent /Invigilators.
- Performing Evaluation duties to evaluate Under Graduate Courses.

Trainings/Conferences Attended/Lecturer Delivered/ Session Chaired:

- *Attended Induction Training Programme at SCERT SOLAN w.e.f. 20-02-2015 to 03-03-2015.*
- *Attended NATIONAL SEMINAR on CONSUMER PROTECTION AND CONSUMER WELFARE IN INDIA w.e.f. November 2-3, 2015 organised by Public Administration, S. V. Government College Ghumarwin in collaboration with Centre of Consumer Studies, Indian Institute of Public Administration (IIPA), New Delhi Sponsored by Department of Consumer Affairs, Ministry of Consumer Affairs, Food and Public Distribution, Government of India.*
- *Written a book titled Differential Calculus of B.A./B.Sc. 1st Semester (H.P.U) in the session 2016-2017 under Sharma Publications Jalandhar (ISBN:-93-81261-00-8).*
- *Qualifying Departmental Examination (Technical officer) in subject Financial Administration (Lect. of Education only) held in June, 2018 under Roll No. 41806170 conducted by HIPA.*
- *Presented a poster entitled Effects of Environmental Change on Natural water sources in Chamba Town and its periphery and awarded 3rd Prize in National Conference on Environment: Current Scenario and Future Perspectives (NCE-2019) organised by W.R.S. Government College Dehri, District Kangra (H.P.)-176022 on 9th March, 2019 sponsored by H.P. Council for Science Technology and Environment (HIMCOSTE).*
- *Attended 43rd General Orientation Course at UGC Human Resource Development Centre University of Jammu Sponsored by UGC w.e.f. 11-09-2019 to 01-10-2019.*
- *Presented a research paper entitled Evaluation of seven famous Natural water sources for Drinking use in Chamba Town and its periphery of H.P., India in National Conference on Culture, Development and society: Understanding Development in Relation to Culture (Chamba Cultural Meet-2019) organised by Department of Sociology, Government College Chamba (H.P.)-176314 w.e.f. 1-2 November, 2019 sponsored by Indian Council of Social science Research.*
- *Act as a Facilitator of the session in National Conference on Culture, Development and society: Understanding Development in Relation to*

Culture (Chamba Cultural Meet-2019) organised by **Department of Sociology, Government College Chamba(H.P.)-176314** w.e.f. **1-2 November, 2019** sponsored by **Indian Council of Social science Research.**

- **Attended 2-weeks online Refresher Course on Environment Awareness (Inter/Multi-Disciplinary) at UGC Human Resource Development Centre Himachal Pradesh University, Shimla-171005** Sponsored by UGC w.e.f. **17-08-2020 to 29-08-2020.**
- Presented a research paper entitled **The Present Status and future Perspective of natural water Sources in Chamba District of Himachal Pradesh India.,** in two days **International Conference (Hybrid) on Sustainable Development Goals, Development and Tourism in Himalayan Region and Beyond** organised by **Internal Quality Assurance Cell, Paryas- The Sociological Society & Planning Forum Department of Sociology, Government College Chamba (H.P.)-176314** w.e.f. **11-12 November, 2021.**
- Act as a Facilitator of the session in **International Conference (Hybrid) on Sustainable Development Goals, Development and Tourism in Himalayan Region and Beyond** organised by **Internal Quality Assurance Cell, Paryas- The Sociological Society & Planning Forum Department of Sociology, Government College Chamba (H.P.)-176314** w.e.f. **11-12 November, 2021.**
- Presented a research paper entitled **The Present Status and future Perspective of Religious Tourism in Chamba Valley of Himachal Pradesh India.,** in two days **2nd SSHP International Conference on Transforming Asia: Development, Tourism and Environment in Mountains** organised by **Sociological Society Himachal Pradesh & JLN Government College Haripur (Manali) (H.P.)** w.e.f. **18-20 November, 2021.**
- Participating in **Two days Workshop** in the **Department of Biotechnology, Government of India** sponsored **Foldscope Workshop for Teachers of Aspirational Districts** organised by **Biotech Consortium India Limited (BCIL), New Delhi** in association with **Government College Chamba (H.P.)** w.e.f. **25-26 November, 2021.**
- Presented a research paper entitled **Perturbation analysis of Viscous Dissipation and Radiation Absorption on MHD free Convective heat and mass transfer flow through a highly porous medium with Chemical Reaction,** in two days **International Conference on Recent Trends in Mathematical Science (ICRTMS-2021)** organised by **Himachal Ganita Parishad** on **11& 12 December, 2021.**

Research Publications of Dr.Tej Singh

Sr. No.	Author(s), Title, Journal's/book name, Vol., Year, page no.	ISSN/ISBN No.	Impact Factor
1.	Singh, Tej and Gorla, M.G. , Three-dimensional MHD flow and heat transfer through porous medium bounded by a porous vertical surface with heat source and variable permeability, Proceedings - National Academy of Sciences, India. Section A, Physical Sciences , Vol. 80(pt.4), 2010, 357-368.	0369-8203	
2.	M. G. Gorla, Joginder S. Dhiman and Tej Singh , Unsteady Free Convective MHD Flow Through Porous Medium Between Two Parallel Vertical Porous Walls With Heat Sources, (2010), Recent Advances in Continuum Mechanics and Algebra , Chapter 6, pp. 51-62. (Published by Regal Pub. New Delhi)	978-81-8484-103-9	
3.	Joginder S. Dhiman, Tej Singh and M. G. Gorla , Three Dimensional Free Convective MHD Flow With Heat And Mass Transfer Through A Porous Medium With Variable Permeability, Bulletin of the Allahabad Mathematical Society , Vol. 26(1), 2011, 153-172. (Published by Allahabad Mathematical Society, Allahabad)	0971-0493	
4.	Tej Singh and Hemant Pal , Influence of MHD with radiation, chemical reaction and solet effects on free convective heat and mass transfer flow through a highly porous medium, International J. of Math. Sci. & Engg. Appls. (IJMSEA) ,Vol. 13 No. II (December, 2019), pp. 1-16. (Published by Ascent PublicationPune, India)	0973-9424	0.5650