

## FACULTY PROFILE



**Name:** Dr. Vipin Kumar Verma

**Designation:** Assistant Professor

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### Professional Qualification:

- Ph.D. (2008), “Mathematical Models of Flow Problems in Biological Systems” Department of Mathematics & Statistics, Gurukula Kangri (Deemed to be University) , Haridwar
- M.Sc. (2001), Department of Mathematics, Ch. Charan Singh University, Meerut
- B.Sc. (1999) Gurukula Kangri (Deemed to be University) , Haridwar

### Publications (Journals & Conferences):

- S.Bansal,S.Tyagi,**V.K.Verma** “Performance Modeling and Availability Analysis of Screw Manufacturing Plant” Materials Today : Proceedings, 57,(2022) 1985-1988.(ISSN-2214-7853)
- O.P.Singh, **V.K.Verma**, S.Tyagi “Algorithm for Frequency Division Multiple and Time Division Multiple Access Schemes” European Journal of Molecular & Clinical Medicine Volume 08, Issue 01, (2021). (ISSN- 2515-8260)
- T. Kumar, **V.K Verma**, S.Tyagi “On (R,S)- Norm Entropy of Intuitionistic Fuzzy Sets” Advance in Intelligent Systems and Computing 1056” Springer Nature Singapore Pte Ltd. 2020. [https://doi.org/10.1007/978-981-15-0199-9\\_67](https://doi.org/10.1007/978-981-15-0199-9_67). (ISSN-2194-5365) (electronic) 2020
- **V .K.Verma** “Study of Non-Newtonian Herschel Bulkley Model through Stenosed Arteries.” “International Journal of Mathematics And its Applications” Volume 4, Issue 1-B (2016), 105-111.(ISSN-2347-1557)
- **V.K.Verma**, P. Saraswat, “Effect of Multiple stenosis on blood flow through a tube” World Academy of Science, Engineering & Technology, “*International*

*Journal of Medicine, Pharmaceutical Science & Engineering* "Vol 7 No-11 2013.

- **V.K.Verma**, V.K.Katiyar and M.P.Singh, "Flow Behaviour of a non-Newtonian fluid in Peristaltic Motion" Bulletin of Allahabad Mathematical Society (BAMS), Vol.25, part 1, pp.57-66, 2010 (ISSN-0019-5324)
- **V.K.Verma**, V.K.Katiyar and M.P.Singh "Study of Periodic Breathing and Human Respiratory system" International Journal of Medicine and Medical Sciences, Vol. 1 ( 8 ), pp. 330-333, 2008 .(ISSN- 2006-9723)
- **V.K.Verma**, M.P.Singh and V.K.Katiyar, "Mathematical Modeling of blood flow through a stenosed tube" International Journal of Mechanics in Medicine and Biology (IJMMB) Vol. 8, No.1, pp.27-32, 2008. (World Scientific Publication) (ISSN- 1793-6810)

### **Awards and Achievements**

- **Department of Science & Technology (DST) and Council of Scientific and Industrial Research (CSIR), New Delhi**, Financed me to present a research article in "15<sup>th</sup> International Conference on Mechanics in Medicine and Biology (ICMMB-15)" held at **Nanyang Technological University, Singapore (6<sup>th</sup> -8<sup>th</sup> December, 2006)**

### **Workshops/Seminars/FDPs**

- One Week Faculty Development Programme on "**Advanced Security & Machine Learning**" From 18-23 April 2022.
- Participated in "**International Conference on Innovation and Application in Science & Technology**" Organized by Department of Applied Sciences, Galgotias College of Engineering & Technology Greater noida. From 21-23 Dec.2021
- Participated in "**5th International Conference on Micro-Electronics & Telecommunication Engg.**" Organized by SRMIST NCR Campus, Ghaziabad, from 24-25 September-2021.
- Faculty Development Programme on "**Mathematics & its Application in Science & Technology**" Organized by "Department of Mathematics, School of Basic Science, College of Engineering and Technology, SRMIST, Kattankulathur, Chennai, from 06-16 July 2020
- International Faculty Development Programme on "**Prominence of Mathematics in Diverse Sectors**" organized by Science and Humanities of Hindustan College of Engineering & Technology, from 15-20 July 2020.

- Organized **21<sup>st</sup> Annual conference of Vijnana Parishad of India on “ Modeling, Optimization and Computing for Technological and Sustainable development (MOCTSD-2019)** Organized by Department of Mathematics, SRMIST NCR Campus Ghaziabad, 26<sup>th</sup> to 28<sup>th</sup> April 2019
- Faculty Development Programme ( NPTEL-AICTE) Successfully Completing the course “**Ordinary & Partial Differential Equations & Applications**” from July-October 2018
- One Week Faculty Development Programme on “ Contemporary Trends in Research & Teaching Methodologies for Professional Development” organized by SRMIST, NCR Campus, Ghaziabad, from 4-10 July 2016.
- Nanyang Technological University, **Singapore** (6<sup>th</sup> -8<sup>th</sup> December, 2006), presented Research paper in **15<sup>th</sup> International Conference on Mechanics in Medicine and Biology (ICMMB-15). (Financed by CSIR & DST Govt. of INDIA)**
- International Conference on Modeling and Simulation Sciences, Materials and Technology, **Indian Institute Technology, Chennai (INDIA) 2004**
- International Conference and Instructional Workshop on Industrial Mathematics” in Department. of Mathematics, **Indian Institute Technology, Bombay, (INDIA) 2002**

**Work Experience:** Total Teaching Experience: **14 years (approx.)**

- Presently working as a Assistant Professor in SRM Institute of Science and Technology, Delhi-NCR Campus, Ghaziabad (INDIA) from 2010 to till date.
- Senior Lecturer in Subharti Institute of Technology and Engineering, Swami Vivekanand Subharti University, Meerut, (INDIA) from 2009 to 2010.

**Professional Memberships:**

- Membership of Indian Science Congress ( ISC), No. **A3952**
- Life Membership of INDIAN MATHEMATICAL SOCIETY ( [L/2014/086](#) )