

Dr. P. M. PATIL M. Sc., Ph. D., FNASc.

Professor

Email Id's: pmpmath@gmail.com; pmpatil@kud.ac.in



Dr. P. M. Patil obtained his B.Sc. (1982), M.Sc. (1984) and Ph.D. (1996) degrees from the Karnatak University, Dharwad. Dr. Patil began his teaching career at BLDEA's BHS Arts and TGP Science College, Jamakhandi in 1986 and there he served till 1993. Later, Dr. Patil moved on to JSS College, Vidyagiri, Dharwad, and served there till October 2013. Currently, Dr. Patil is working in the P. G. Department of Mathematics, Karnatak University, Dharwad as a Professor.

Research Interests:

Dr. Patil's research work is interdisciplinary in nature and covers various aspects of **Convective Heat and Mass transfer, Boundary Layer Flows** and **Computational Fluid Dynamics**. Dr. Patil has been visiting many research institutions for collaborative research such as IIT Chennai, IISc Bangalore, TIFR-CAM Bangalore, IIT Bombay, etc. Five of his recent research papers are listed below:

1. **P. M. Patil**, A. Shashikant, S. Roy and P. S. Hiremath (2020): Mixed convection flow past a yawed cylinder: **International Communications in Heat and Mass Transfer 114: 104582** [Elsevier Science, ISSN: 0735-1933, **Impact Factor** (2018): 4.127].
2. **P. M. Patil**, Madhavarao Kulkarni and P. S. Hiremath (2020): Effects of surface roughness on mixed convective nanofluid flow past an exponentially stretching permeable surface: **Chinese Journal of Physics 64: 203-218** [Elsevier Science, ISSN: 0577- 9073, **IF** (2018): 2.544].
3. **P. M. Patil**, Shashikant A., P. S. Hiremath and S. Roy (2019): Study of liquid oxygen and hydrogen diffusive flow past a sphere with rough surface: **International Journal of Hydrogen Energy 44: 26624-26636** [Elsevier Science, ISSN: 0360- 9073, **IF** (2018): 4.084].
4. **P. M. Patil**, Shashikant A. and P. S. Hiremath (2019): Diffusion of Liquid hydrogen and oxygen in nonlinear mixed convection nanofluid flow over vertical cone: **International Journal of Hydrogen Energy 44: 17061-17071**[Elsevier Science, ISSN: 0360- 9073, **IF** (2018): 4.084].
5. **P. M. Patil**, A. Shashikant and P. S. Hiremath (2018): Influence of liquid hydrogen and nitrogen on MHD triple diffusive mixed convection nanoliquid flow in presence of surface roughness: **International Journal of Hydrogen Energy 43: 20101 - 20117**[Elsevier Science, ISSN: 0360-3199, **IF** (2018): 4.084].

No. of Publications: 82, Citations: 846, H-index: 18, I-10 index: 26

Research Projects: 04, Ph.D. Guided: 04, M.Phil. Guided: 01

Awards and Academic Distinctions:

- Elected as a **Fellow of National Academy of Sciences (FNASc), PRAYAGRAJ (Allahabad) in the year 2019.**

- Working as the **Member of Editorial board** for **Karnatak University Journal of Science** since September 2019.
- **BOS Member** at Karnatak University, Dharwad, Karnataka State Akkamahadevi Women's University, Vijayapur and Shivaji University, Kolhapur.
- **Appointed as a Visiting Professor** in the Department of Mathematics and Applied Mathematics, Faculty of Science, University of Johannesburg, South Africa from 01-06-2019 to 31-05-2022.
- Awarded **Best Research Publication** for the year **2018** by the **Karnatak University, Dharwad**.
- Worked as **Deputy Co-ordinator** for UGC-UPE-FAR-II Project amounts to 2 Crores.
- Working as in charge **Director, Pawate Institute of Mathematical Sciences**, Karnatak University, Dharwad.
- Worked as the **Chairman (HOD) of the Department of Mathematics** at Karnatak University, Dharwad from 01-05-2018 to 04-05-2020.
- Visited School of Computer Science and Applied Mathematics, **The University of Witwatersrand, Johannesburg, South Africa** from 14-08-2017 to 19-08-2017 as **Visiting Professor with Prof. E. Momoniat**.
- Working as advisory committee member for **Bhaskaracharya Peeth** instituted at Akkamahadevi Women's University, Vijayapur, by the Govt. of Karnataka.
- Visited Department of Applied Mathematics and Theoretical Physics, **University of Cambridge, United Kingdom** on 02-03 September, 2016 with **Prof. T. J. Pedley**.
- **Visited Dr. D. Andrew S. Rees**, Department of Mechanical Engineering, **University of Bath, United Kingdom**, from 01-09-2016 to 01-10-2016 on invitation for collaborative research.
- **Visited China to attend 8th ICIAM – 2015** (International Congress on Industrial and Applied Mathematics) held at **Beijing, China** from August 10 – 14, 2015 entire trip was sponsored by **NBHM** (National Board for Higher Mathematics), Department of Atomic Energy, Govt. of India under Senior Mathematicians Category.
- Awarded prestigious **Commonwealth Academic Fellowship** to take up Post-Doctoral research for the period of Six months from 01 November, 2011 to 30 April, 2012, with **Dr. D. Andrew S. Rees**, Department of Mechanical Engineering, **University of Bath, United Kingdom**, by **Commonwealth Scholarship Commission, London and British Council, United Kingdom**.
- **Visited Canada to attend 7th ICIAM – 2011**(International Congress on Industrial and Applied Mathematics) held at **Vancouver, Canada** from July 11 – 16, 2011 entire trip was sponsored by University Grants Commission, New Delhi, Govt. of India.
- **Vision Group on Science and Technology, Government of Karnataka, Bangalore** has awarded the Best Research Publication Award with Citation and Rs. 25,000/- cash for the paper entitled “Unsteady mixed convection flow from a moving vertical plate in a parallel free stream: Influence of heat generation or absorption” [International Journal of Heat and Mass Transfer 53(21-22): 4749 – 4756, Elsevier Science, **ISSN: 0017 - 9310, Impact Factor (2011): 2.407**] for the year 2010 -11 in Mathematical Sciences.
- **Visiting Scientist** for the period from 13. 03. 1998 to 13. 06. 1998 i.e. (3 months), at UGC- DSA Centre in Fluid Mechanics, Department of Mathematics, Bangalore University, Bangalore.