




# SAPTHAGIRI COLLEGE OF ENGINEERING

#14/5, Chikkasandra, Hesaraghatta Main Road, Bangalore-560057, Karnataka, India

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

## FACULTY PROFILE

Name of the faculty	DR. SHRIPAD MARKANDE	
Designation	PROFESSOR & HEAD	
Contact Number	080-28372801	
Email ID	hodmaths@sapthagiri.edu.in	

## Educational Qualification

Degree	Specialization	University	Year of Passing
Ph.D.	Fluid Dynamics (Mathematics)	Bangalore University	2001
M.Sc.	Mathematics	Karnataka University	1988

## Work Experience

Teaching	Research	Industry
30 Years	25 Years	1 Year

## Publications

National/International Journals	National/International Conferences	Books Authored/Edited
7	18	Nil

## Area of Interest

Teaching	
Research	Fluid Dynamics
Networking with eminent personalities	

## Membership in Professional Bodies/University Bodies/Organization

- Life Member Indian Society of Technical Education
- Life Member Indian Society of Theoretical and Applied Mechanics
- Life Member International Association of Engineers.

## Publications National/International Journals

- “Two-dimensional dispersion of solute in an unsteady flow of a micropolar fluid”, with Siddheshwar, P.G., (Communicated to IJES – Dec, 2019)
- “Unsteady convective diffusion of solute in a micropolar fluid flowing through an annular pipe”, with Siddheshwar P.G., (Communicated to ZAMM, Dec, 2019AA)
- “Unsteady Convective Diffusion in a non-Linear non-Darcy Flow” Presented at a national level conference “Emerging Trends in Fluid Mechanics and Graph Theory” (held at CHRIST University, Bangalore) during Feb 25 – 26, 2010.
- “All time dispersion of solute in a micro-polar fluid flowing through an annular region”,,, ICMA – 2008, HongKong Jun 1 – 5 in 2008.
- “Effect of catheter insertion in a micropolar fluid flowing through a tube”, Presented at ISTAM,52nd Congress, Dec. 14 – 17 in 2007.
- “The effect of radiation on unsteady convective diffusion of a solute in a micropolar fluid flow through a vertical channel”, ICMA-2005 at Bangkok, Thailand, Dec.15-17 in 2005.

- “Unsteady convective diffusion of solute in a casson fluid flowing through a cylindrical tube”, 2004, “ICHHD-2004” held on Nov. 2004 at Perth Australia in 2004.
- “Unsteady convective diffusion with heterogeneous chemical reaction in a plane- Poiseuille flow through a channel with solvent permeable boundaries”, 1998, VignanaBharathi, Bangalore University Journal, 17 (Published in 2001) in 2001.
- “An exact analysis of unsteady convective diffusion of solute in a power law fluid Part I : plane Poiseuille flow”, ChemEngg. Comm, 180,187. (a research journal published from the U.S.) in 2000.
- “An exact analysis of unsteady convective diffusion of solute in a powerlaw fluid Part II: Hagen Poiseuille flow”,2000, Chem. Engg. Comm., 180, 209 (Research journal published from the U.S.) in 2000.
- “Unsteady convective diffusion of solute in a micropolar fluid flow through a cylindrical tube”, 1999, ZAMM , 79,
- “Taylor dispersion of solute in a cylindrical flow of a Newtonian fluid with suction/injection”, Mathematical Biology: Recent Trends Edited by Peeyush Chandra and Ratish Kumar B. V.(Proceedings of International Conference of Mathematical Biology-2004) pp 79-84.

### **National /International Conferences**

- “Bio-Fluid Dynamics” at Bangalore University, Bangalore on 5<sup>th</sup> to 9<sup>th</sup> December 1994.
- IV International Conference on “Physiological Fluid Mechanics”, at Gwalior on 8<sup>th</sup> to 10<sup>th</sup> December 1995.
- International Workshop on “Role of Fluid Mechanics in Materials Processing and Manufacturing, UGC-DSA Centre in Fluid Mechanics”, Bangalore University, Bangalore on 1<sup>st</sup> to 3<sup>rd</sup> January 1996.
- Third Instructional Conference on “Mathematical Modeling of Pollutant Transport in the Natural Environment”, UGC-DSA Centre in Fluid Mechanics. Bangalore University, Bangalore on 1<sup>st</sup> to 5<sup>th</sup> December 1997.
- International Conference on “Mathematical Biology” (ICMB-2004). IIT, Kanpur (India) Feb 19<sup>th</sup> to 21<sup>st</sup> February, 2004.
- International Conference on “Mathematics & Applications” (ICMA-2005) Mahidhol University, Bangkok, during 15<sup>th</sup> to 17<sup>th</sup> December 2005.
- 52nd Congress of ISTAM (Indian Society of Theoretical & Applied Mechanics), BNM Institute of Technology, Bangalore, Dec 14 – 17, 2007.
- International Conference on “Mathematical Modelling” (held at BNMIT, Bangalore) during Jan 20- 23, 2010.
- “Emerging Trends in Fluid Mechanics and Graph Theory” held at CHRIST University, Bangalore during 25<sup>th</sup> to 26<sup>th</sup> February 2010.

## Faculty Development Programme Participated

- Attended workshop on **ABET Accreditation** conducted by **ABET accreditation Council** on September 28, 2015
- **Organized International Conference on “Applied Mechanics”: 59<sup>th</sup> Congress of ISTAM –2014 , at Alliance University**
- Organized South Zone University VC’s Meet in During November 2016 at Alliance University, Bengaluru.
- Chaired a session in a National Conference “Recent Trends in Applied Science and Technology” held at Alliance University during October 27 – 28, 2017

## Acheivements

- Vice President, Indian Society of Theoretical & Applied Mechanics during 2015-17