

## FACULTY PROFILE



1	<b>Name</b>	Dr. T.R. Ranganatha		
2	<b>Present Designation</b>	Associate Professor		
3	<b>Department</b>	Studies and Research in Mathematics		
4	<b>Date of Birth</b>	10-07-1960		
5	<b>Date of entry into service in Tumkur University</b>	From the date of commencement of the University		
6	<b>Date of entry into the Present Designation</b>	7-10-1998		
7	<b>Residential Address</b>	Sree Rama Nilaya, 8 <sup>th</sup> cross, Gangothri Nagar Tumkur 572103		
8	<b>Mobile Number</b>	9738219578		
9	<b>Email ID</b>	trranganatha@gmail.com		
10	<b>PAN No.</b>	ADRPR6320G		
11	<b>Aadhar Card Id No.</b>	9081 0417 4326		
12	<b>Passport No.</b>	No Passport		
13	<b>Academic Qualification</b>			
	<b>Degree</b>	<b>University</b>	<b>Year of Award</b>	
a	Post Graduate Degree	Bangalore University	1985	
b	M.Phil.			
c	Ph.D.	Indian Institute of Technology, Bombay	1992	
	Ph.D. Topic:	Analysis of Physiological fluids flow through permeable tubes		
	Guided By:	Dr. P. Chaturani		
14	NET – Year of Passing		1985	
15	SLET/KSET – Year of Passing			
16	<b>Area of Research Specialization</b>	Biofluidmechanics		
17	<b>Teaching Experience</b>			
	<b>Designation</b>	<b>From</b>	<b>To</b>	<b>Place</b>
	Lecturer in Mathematics	August 1992	June 1993	Walchand Institute of Technology, Solapur
	Lecturer in Mathematics	June 1993	October 1998	Regional Engineering College, Warangal
	Reader / Associate Professor	October 1998	To the date	Tumkur University (up to March 2004 Bangalore University Postgraduate Centre, Tumkur)

18	Administrative Experience			
	Designation	From	To	Place
	Registrar (I/C)	3 <sup>rd</sup> July 2007	3 <sup>rd</sup> June 2009	Tumkur University
	Registrar (Eval.) (I/C)	2 <sup>nd</sup> November 2006	8 <sup>th</sup> April 2008	Tumkur University
	Dean Faculty of Science	November 2005	November 2007	Tumkur University
	Dean Faculty of Science	November 2009	November 2011	Tumkur University
	Syndicate Member	November 2005	November 2006	Tumkur University
	Academic Council Member	November 2005	November 2007	Tumkur University
	Academic Council Member	November 2009	November 2011	Tumkur University
	Chairman Department of Mathematics	June 2009	October 2011	Tumkur University
	Chairman, Board of studies for Mathematics (PG)	2009-10	2010-11	Tumkur University
	Chairman, Board of Examinations for Mathematics (PG)	2009-10	2010-11	Tumkur University
	Chairman, Board of studies for Mathematics (UG)	2010-11	2010-11	Tumkur University
	Member, Board of studies for Mathematics (PG)	2011-12	2012-13	Tumkur University
	Member, Board of Examinations for Mathematics (PG)	2011-12	2012-13	Tumkur University
	Chief warden, P.G. center Hostel, Tumkur	November 1998	July 1999	Bangalore University
	Chief warden, P.G. center Hostel, Tumkur	November 2001	Septmber 2006	Bangalore University/ Tumkur University
	Director (I/C) P G Centre Tumkur	June 2000	October 2000	Bangalore University
	Director / Coordinator of P G Departments	April 2005	Septmber 2006	Tumkur University
	Member, Board of studies for Mathematics (PG)	2000-01	2002-03	Bangalore University
	Member, Board of Examinations for Mathematics (PG)	1999-00	2003-04	Bangalore University
19	Research Guidance			
A	<b>Ph.D.</b>	Nil		
	<b>Name of Student</b>	<b>Thesis</b>	<b>Year</b>	
B	<b>M.Phil.</b>	Nil		
	<b>Name of Student</b>	<b>Thesis</b>	<b>Year</b>	

20	<b>Papers Presented/ Lecturers Delivered/ Sessions Chaired in Conference and Symposia (International)</b>	(Tick below)		
	Details	Paper Presented	Lecture Delivered	Session Chaired
	<b>'International Conference on Mathematical Modeling in Science and Technology'</b> at Department of Mathematics, I.I.T., Madras, 1988.	↗		
	<b>'First international conference on Industrial and Applied Mathematics in Indian Subcontinent and 6<sup>th</sup> Annual Conference of Indian Society of Industrial and Applied Mathematics'</b> at Department of Mathematics, Guru Nanak Dev university, Amritsar from 22-25 January 2001.		↗	
21	<b>Papers Presented/ Lecturers Delivered/ Sessions Chaired in Conference and Symposia (National)</b>	(Tick below)		
	Details	Paper Presented	Lecture Delivered	Session Chaired
	<b>33<sup>rd</sup> Congress of 'Indian Society of Theoretical and Applied Mechanics'</b> at Department of Mathematics, I.I.T., Bombay, 1988.	↗		
	<b>36<sup>rd</sup> Congress of 'Indian Society of Theoretical and Applied Mechanics'</b> at Department of Mechanical Engineering, I.I.T., Bombay, 1991.	↗		
	<b>'Instructional conference on Bio-fluid Dynamics'</b> at UGC – DSA Centre in Fluid Dynamics, Department of Mathematics, Bangalore University, Bangalore from 7 – 9, December 1994.		↗	
	<b>'Seminar on current trends in Applied Mathematics'</b> at Department of Mathematics and Humanities, Regional Engineering college, Warangal, from 6-7 December 1996.	↗		
	<b>'National Level Seminar Cum Workshop on Object Oriented Computing in Applicable Mathematics'</b> at Department of Mathematics, Osmania University, Hyderabad from 22-29 march, 1997.		↗	
	<b>'42<sup>nd</sup> Congress of Indian Society of Theoretical and Applied Mechanics'</b> at Surat (Gujarat) from 28-31 December 1997.	↗		
	<b>'Sixth National Conference on Biomechanics at Department of Mathematics and Computer Applications, Maulana Azad college of Technology, Bhopal from 14-16 January 1998.</b>	↗		
	<b>'44<sup>th</sup> Congress of Indian Society of Theoretical and Applied Mechanics'</b> at Department of Mathematics and Humanities, Regional Engineering college, Warangal from 22-25 December 1999.	↗		
	<b>'Geometry, Analysis, Fluid Mechanics and Their Applications'</b> at Department of Studies in Mathematics, Jnana Sahyadri, Kuvempu University, Shankaraghatta, Shimoga from 15-17 January 2000.		↗	

	<b>'45<sup>th</sup> Congress of Indian Society of Theoretical and Applied Mechanics'</b> at Mepco Schlenk Engineering college, Sivikasi from 26-29 December 2000.	↗		
	<b>'Seminar on Mathematical modelling in Engineering'</b> MJCET, Hyderabad on October 14 <sup>th</sup> , 2001.		↗	
	<b>'46<sup>th</sup> Congress of Indian Society of Theoretical and Applied Mechanics'</b> at Regional Engineering college, Hamirpur (H.P) from 19-22 December 2001.	↗		
	<b>'Eleventh Congress of Andhra Pradesh Soc. For Mathematical Sciences'</b> at Sri Padmavati Mahila Visvavidyalayam, Tirupati from 31 <sup>st</sup> January – 2 <sup>nd</sup> February 2003.	↗		
	<b>'One day Seminar on Recent Advances in Fluid Mechanics'</b> Department of Mathematics, Osmania University, Hyderabad on 26 <sup>th</sup> March 2003.		↗	
22	<b>Books</b>			
	<b>Chapters</b>			
	<b>Details</b>			
	Rudraiah, N., Venkatachalappa, M. Ranganna, G. Shivakumar, I.S, Siddheshwar, P.G. and Ranganatha, T.R., (eds.): <b>Frontiers in Biomechanics Supplemented with Yoga Concepts</b> . Sapna Book House, Bangalore, 2000.			
23	<b>Research Publications in Refereed Journals</b>			
	<b>Details</b>			
	1. Chaturani, P. and Ranganatha. T.R.: Flow of Newtonian fluid in non-uniform tubes with variable wall permeability with application to flow in renal tubules. <b>Acta Mechanica</b> , 88, PP.11-26, 1991.			
	2. Chaturani, P. and Ranganatha T.R.: Solute transfer in fluid flow in permeable tubes with application to flow in glomerular capillaries. <b>Acta Mechanica</b> , 96, PP.139-154, 1993.			
	3. Indira, R., Ranganatha, T.R. and Venkatachalappa, M.: Solute transfer in Casson fluid through permeable tube. <b>AMSE (France) - Modeling, Measurement and Control</b> , Ser.C., 53, No.1-2, PP. 63-69, 1996.			
	4. Ranganatha, T.R. Mohd. Abdul Rahim and Ramana Murthy, M.V.: A mathematical model of viscous flow in permeable tube with its application to capillary blood flow. <b>AMSE (France) - Modeling, Measurement and Control</b> , Ser. B, No.1-2, PP 1-8, 1997.			
	5. Rahim M.A., Shastry U., Ramana Murthy M.V. and Ranganatha T.R.: A study of variable osmotic pressure on the blood flow through capillary tube. <b>Far East J. Appl. Math.</b> 10(3) pp 169-184, 2003.			
	6. Rahim, M.A., Ramana Murthy, M.V., and Ranganatha, T.R.: A mathematical model of blood flow through permeable tube. <b>J. AMSE (France)</b> Series C. Vol. 64, No. 1-2, PP 1-16, 2003.			
	7. Rahim, M.A., Ranganatha, T.R. and Ramana Murthy, M.V.: Effect of variable hydraulic wall permeability on the capillary blood flow. <b>Bull. J. The Culcutta Mathematical Soc.</b> Vol. 96, No. 12, pp85-98, 2004.			
	8. Ranganatha T.R. and Shashikala S.G.: Unsteady convective diffusion in a simplified Cross fluid model. <b>Chem. Engg. Communications.</b> 195, pp 673 – 683, 2008.			

	9. Shashikala S.G and Ranganatha T.R.: Effect of interphase mass transfer on unsteady convective diffusion in a simplified Cross fluid model. <b>Chem. Engg. Communications.</b> 195, pp 1538 – 1552, 2008.			
<b>24</b>	<b>Research Projects</b>			
<b>A</b>	<b>On going</b>			
	<b>Title of Project</b>	<b>Funding Agency</b>	<b>Duration</b>	<b>Amount Sanctioned</b>
<b>B</b>	<b>Completed</b>			
	<b>Title of Project</b>	<b>Funding Agency</b>	<b>Duration</b>	<b>Amount Sanctioned</b>
	Mathematical Analysis of Capillary - Tissue Exchange	Regional Engg. College, Warangal	1997-98 (1 year)	Rs.5000=00
	Estimation of Design and Operating Parameters of an efficient Hallow –fiber Hemodialyzer	Regional Engg. College, Warangal	1998-99 (1 year)	Rs.10,000=00
	Mathematical modeling of Synovial joints and Cardiovascular diseases	AICTE, New Delhi	1999-2002 (3 years)	Rs. 10.00 Lakhs
<b>25</b>	<b>Membership of Professional Organizations</b>			
	Life Member of <b>Indian Society for Theoretical and Applied Mechanics (ISTAM)</b>			
	Life Member of <b>Indian Society for Technical Education (ISTE)</b>			
	Life Member of <b>Andhra Pradesh State Mathematical society</b>			
<b>26</b>	<b>Official Foreign Visits</b>			
	Nil			