

**General Information:**

1. Name : **Dr. TRIMBAK BIRADAR**  
2. Date of birth : 15-12-1964  
3. Qualification : M.Sc., M.Phil., Ph.D  
4. Address : H. No. 2- 910/66/96A  
opp. HP School,  
Jayanagar,  
Gulbarga-585105  
5. Contact No. : 9480149091  
6. Designation : Assistant Professor  
7. Department : Mathematics  
8. Area of Specialization : Fluid Mechanics  
9. Academic Qualification :



Exam Passed	Subject	Board/University	Year	Division/Grade
S.S.L.C	Mathematics, Science, Social Study	KSEB Bangalore	June 1981	Second
PUC	Physics, Chemistry Maths, Biology.	Pre-University Board	June 1983	First
B.Sc	Physics Chemistry Mathematics	Gulbarga University Gulbarga	July 1986	First
M.Sc.	Mathematics	Gulbarga University Gulbarga	Sept 1990	First
M.Phil	Mathematics	Gulbarga University Gulbarga	Sept 2004	First
Ph.D.	Mathematics	Gulbarga University Gulbarga	2008	-
<b>Any Other Degree</b>				
PG Diploma in TV Technology	Electronics	Gulbarga University Gulbarga	July 1987	First Rank Gold Medal
B.Ed.	Science	Gulbarga University Gulbarga	July 1988	Second
PGDCA	Computer Science	Gulbarga University Gulbarga	1992	First
Honours Diploma in Computer Hardware Maintenance & Networking	Computer Science	Institute of Electronics & Computers , Chennai	August 1997	Successful

10. Research Experience and Training:

<b>Research Stage</b>	<b>Title of Work/Thesis</b>	<b>University where the work Carried out</b>
M.Phil	On variable viscosity fluid flow between parallel plates with heat transfer	Gulbarga University Gulbarga
Ph.D.	A Study of some problems on hydrodynamic lubrication of porous / non-porous bearings	Gulbarga University Gulbarga
Post doctoral	-	
Publications	15	Gulbarga University Gulbarga
Research Guidance	02	Visveswaraya Technological University
Training if Any	-	-

11. Teaching Experience:

<b>Course Taught</b>	<b>Name of the College</b>	<b>Duration</b>
UG	Sharnbasveshwar College of Science, Gulbarga	25
PG	Sharnbasveshwar College of Science, Gulbarga	07

12. Awards :

\* Gold Medal for successive three years Best Teacher from Award from Sharnbasveshwar College of Science, Gulbarga

13. Extension activities: N.S.S Officer for Two Years

14. The papers presented at National/ International Seminar/ Conference/ Symposia/ Workshop are:

<b>INTERNATIONAL CONFERENCE</b>		
<b>Name of the Seminar/ Conference /Symposia workshop, etc.,</b>	<b>Name of the Sponsoring Agency</b>	<b>Place and Date</b>
International Conference on Applied Mathematics <b>(Paper Presented)</b>	Dept. of Studies and Research in Mathematics, Gulbarga University,	Gulbarga 24-02-2005 to 26-02-2006
International Conference of Jongjeon Mathematical Society <b>(Paper Presented)</b>	Dept. of Studies and Research in Mathematics, Bangalore University,	Bangalore 22-02-2007 to 24-02-2007
International Conference on Fluid Dynamics and its applications <b>(Paper Presented)</b>	B.N.M Institute of Technology	Bangalore 20-07-2011 to 22-07-2011,

International Conference on Internet of Things <b>(Chaired a Session)</b>	Appa IET, Kalaburagi Godutai Engg. College, Kalaburagi Lingaraj Appa Engg. College Bidar Veerappa Nisty Engg, College Shorapur	Kalaburagi 28 <sup>th</sup> Feb & 1 <sup>st</sup> March-2017
International Conference on Recent Advances in Applied Sciences <b>(Paper Presented)</b>	REVA University	Bangalore 17-10-2019 to 18-10-2019,
Literature, Language, Community & Culture: Interdisciplinary Perspectives	Sharnabasaveshwar College of Science, Kalaburagi & Sharnabasaveshwar College of Arts, Kalaburagi	29-07-2019 to 30-07-2019
International Conference on Recent Trends in Science, Engineering, Business Studies, Humanities & Social Sciences <b>(Paper Presented) &amp; (Chaired a Session)</b>	Sharnbasva University	Kalaburagi 30,31 August & 1 <sup>st</sup> September 2019
International Conference on Allied Sciences	B.V.Bhoomareddy College of Arts, Science and Commerce Bidar	Bidar 11-03-2020 to 13-03-2020
<b>NATIONAL CONFERENCE</b>		
National Seminar on Lasers and Condensed Matters Physics	Dept. of Physics Sharnbasveshwar College of Science,.	Gulbarga 26-12-1998 to 30-12-1998
National Seminar on Foundations and Frontiers of Differential Equations and its Applications,	Dept. of Mathematics, Sharnbasveshwar College of Science,	Gulbarga 30-07-2005 to 31-07-2005.
National Conference on Applied Mathematics, ( Paper Presented)	Dept. of Studies and Research in Mathematics, Gulbarga University,	Gulbarga 07-02-2006 to 08-02-2006
<b>National Seminar on Prospective in Mathematics,</b>	Dept. of Studies and Research in Mathematics, Karnataka University,	Dharwad 10-02-2006.
National Seminar on Mathematical Methods and Applications	Dept. of Mathematics, Basaveshwar Engg. College Bagalkot, Jointly organized with PDA Engg College	Bagalkot 17-03-2007 to 18-03-2007.

	Gulbarga	
National Seminar on Fluid Mechanics	Dept. of Studies and Research in Mathematics, Gulbarga University,	Gulbarga 24-03-2009 to 25-03-2009
National Seminar on Recent Advances in Applied Mathematics (Paper Presented)	Dept. of Studies and Research in Mathematics, Gulbarga University,	Gulbarga 08-02-2010 to 09-02-2010
State Level Seminar on Recent Trends of Mathematical Sciences	Dept. of Mathematics, N. V Arts, Sri Kanhayalal Malu Science and Dr. Pandurangrao Patki College of Commerce College Gulbarga	Gulbarga 05-08-2011 to 06-08-2011
National Seminar on Quality Consciousness & Culture in Higher Education	Smt. V.G. Degree College for Women, Gulbarga and Gulbarga University Private College Teachers Association Gulbarga	Gulbarga 21-02-2014 to 22-02-2014
KSTA Regional Conference on Science & Technology for Development	Central University of Karnataka, Gulbarga	Gulbarga 30-01-2014 to 31-01-2014
State Level conference on Vachana Sahitya	District Kannada Sahitya Parishat Bidar	Bidar 04-01-2015 to 05-01-2015
7 <sup>th</sup> Annual KSTA National Conference on Science, Technology and Productization –A means for Growth	The Oxford College for Science, Bangalore	Bangalore 05-02-2015 to 06-02-2015
UGC Sponsored National Conference on Evolving Trends and Challenges in Science Education & Research- an Exploration (Paper Presented )	Basaveshwar College of Commerce, Arts & Science Bangalore	Bangalore 29-01-2016 to 30-01-2016
UGC Sponsored National Conference on “ Numerical Methods and its Applications in Science & Engineering (Chaired a Session)	Karnataka Arts, Science and Commerce College Biadr	Bidar 02-04-2016-to 03-04-2016

UGC Sponsored National Conference on “ Numerical Methods and its Applications in Science & Engineering (Presented Paper)	Karnataka Arts, Science and Commerce College Biadr	Bidar 02-04-2016-to03-04-2016
National Seminar on Recent Trends in Information and Communication Technology	Dept. Of Computer Science Gulbarga University Kalaburagi	Kalaburagi 06-01-2017
National Conference on Science and Technology for Inclusive Development	Gulbarga University, Kalaburagi & KSTA	Kalaburagi 06-03-2018 to 07-03-2018
National Conference on NAAC: A Road Ahead	Sharnbasveshwar College of Commerce, Kalaburagi & Sharnbasveshwar College of Science, Kalaburagi	Kalaburagi 20-04-2018
National Seminar on Intellectual Property Rights	SSK Basaveshwar Arts, Science & Commerce UG & PG College, Basavakalyan and Sharnbasveshwar College of Arts, Kalaburagi	Basavakalyan 02-02-2020
<b>WORKSHOP / TRAINING COURSE ATTENDED</b>		
Training Course on Applications on Internet	National Informatics Centre, Karnataka State Unit,	Bangalore 04-08-1993 to 06-08-1993.
Workshop on Applications of Mathematics to Engineering and Industry	Dept. of Mathematics, S D M College of Engineering and Technology,	Dharwad 10-09-2005 to 11-09-2005.
Workshop in Mathematics on revision of Engineering Mathematics syllabus	Dept. of Mathematics, Reva Institute of Technology and Management,	Bangalore 09-09- 006.
Work shop in Mathematics	Dept. of Studies and Research in Mathematics, Gulbarga University,	Gulbarga 26-03-2007 to 28-03-2007.
Workshop in Mathematics for preparation of Model Question papers	Dept. of Mathematics, K L E Society's College of Engineering and Technology,	Belgaum 08-09-2007.

Revise the Syllabus of Mathematics of B.Sc. Degree Course	Dept. of Mathematics, Gulbarga University, Gulbarga	Gulbarga 28-01-2014 to 29-01-2014
V2 Skill Enhancement & Resource Centre LLP	Sharnbasveshwar College of Science, Kalaburagi	Kalaburagi 29-10-2015 to 30-10-2015
College Administration	Joint Director of Collegiate Education, Kalaburagi Soma Subhadramma Raman Goud Women's College Raichur & GUPCTA	Raichur 24-09-2018
Methodology of Online AQAR Submission under Revised NAC Guidelines	Hirachand Nemichand College of Commerce, Solapur	Solapur 27-08-2019
Workshop on Capacity Building through Institute-University Collaboration	Karnataka State Higher Education Council, Bengaluru & RUSA, MHRD and Gulbarga University, Kalaburagi	Bengaluru 28-01-2019
<b>FACULTY DEVELOPMENT PROGRAMS</b>		
Short Term course on Instrumentation for one week,	Jointly conducted by USIC, Gulbarga University, Gulbarga and Western Regional Instrumentation Centre, Mumbai	Gulbarga 27-11-2000 to 02-12-2000.
Program on Oracle PL/SQL	Appa Institute of Engineering and Technology	Gulbarga 03-08-2013 to 06-08-2013
State Level One Week FDP on Effective Teaching, Learning and Research Skills	Godutai Engineering College for Women, Kalaburagi & Appa Institute of Engineering and Technology, Kalaburagi	08-01-2015 to 13-01-2015
State Level One Week FDP on Effective Teaching, Learning and Research Skills Towards Global Standards (Participated and Presented a Talk)	Appa Institute of Engineering and Technology, Kalaburagi, Godutai Engineering College for Women, Kalaburagi & Sharanabasaveshwar Science College PG Course, Kalaburagi	19-07-2016 to 24-07-2016
Five Day Faculty Development Programme on " Art and Science of Teaching-Learning Process"	Sharanabasaveshwar College of Science , Kalaburagi	02-07-2019 to 06-07-2019

Five Day Online Faculty Development Programme on " LATEX AND SCILAB"	Dept. of Mathematics, DMK College for Women, Vellore & Spoken Tutorial, IIT Bombay	30-04-2020 to 04-05-2020
<b>Membership</b>		
<ol style="list-style-type: none"> <li>1. Gulbarga University Private College Teachers Association, Kalaburtagi</li> <li>2. All India College Teachers Association, Delhi</li> <li>3. Faculty of Science &amp; Technology,(2015-16), Gulbarga University Kalaburagi</li> <li>4.</li> </ol>		

15. Books Written by faculty:- Nil-

16. Refresher Courses/Orientation Programmes Attended:

<b>Programmes (RC/OC)</b>	<b>Name of ASC / University</b>	<b>Duration</b>
Orientation Course	ASC Osmania University, Hyderabad	25-11-2008 to 24-12-2008
Refresher Course	ASC Osmania University, Hyderabad	07-12-2010 to 29-12-2010
Refresher Course	UGC-HRDC Sri Venkateshwar University, Tirupati	23-10-2017 to 11-11-2017
Refresher Course	UGC-HRDC Sri Venkateshwar University, Tirupati	09-09-2019 to 21-09-2019

**15. Major/Minor Research Projects Information:**

<b>Project</b>	<b>Title</b>	<b>Amount</b>	<b>Funding Agency</b>	<b>Duration</b>	<b>Remarks</b>
Minor	Study of Hydrodynamic Lubrication of porous / non-porous journals bearings	1.40 lakh	UGC	18 months	Ongoing

## 16. RESEARCH PUBLICATIONS IN (NATIONAL / INTERNATIONAL) :

1. **N.B. Naduvinamani and T.V. Biradar**, Static and Dynamic Characteristics of Secant Shaped Slider Bearings Lubricated with Non-Newtonian Rabinowitsch Fluid Model, Proc. Int. Conf. Advances in Applied Mathematics (ICAAM-05), 2005, (220-230),pp 220-230.
2. **N.B. Naduvinamani and T.V. Biradar**, Effects of Surface Roughness on Porous Inclined Slider Bearings Lubricated with Micropolar Fluids, Journal of Marine Science and Technology, Vol. 15, No.(4) (2007), ISSN 0948-4280, pp. 1-9. (0.62)
3. **N.B. Naduvinamani and T.V. Biradar**, Micropolarity Surface Roughness Interaction on the Performance of Infinitely Long Journal Bearings, Canadian Journal of Pure & Applied Sciences, Vol. 2, No.( 1), (2008), ISSN 1715-9997, pp.295-308. (2.988)
4. **A. Siddangouda, T.V.Biradar and N.B.Naduvinamani**, Combined Effects of Surface Roughness and Viscosity variation due to additives on long Journal Bearing, Int. J of Tribology,2013, ISSN 1881-2198, pp1-16 , (0.84)
5. **A. Siddangouda, T.V.Biradar and N.B.Naduvinamani**, Numerical Solution of Couplestress finite Reynolds Equation for Squeeze film lubrication of partial porous journal bearings, Tribology, Vol(7), No.4, 2013, ISSN-1881-2198, pp-183-192.(0.84)
6. **Trimbak Vaijnath Biradar**, Squeeze Film Lubrication between Porous Parallel Stepped Plates with Couplestress Fluids, Tribology Online, Vol(8), No(5), 2013, ISSN 1881-2198 pp-278-284. (0.84)
7. **A. Siddangouda, T.V.Biradar and N.B.Naduvinamani**, Combined Effects of micropolarity and surface roughness on the Hydrodynamic Lubrication of Slider Bearings, J. Braz. Soc. Mech. Sci. Eng., Vol(36), 2014, ISSN-1678-5878, pp-45-58. (1.98)
8. **Siddanagouda Apparao, Trimbak Vaijanath Biradar and Neminath Bhujappa Naduvinamni** Non-Newtonian Effects of Second-Order Fluids on the Hydrodynamic Lubrication of Inclined Slider Bearings, International Scholarly Research Notes, Vol(2014). Article ID787304, 2014, ISSN-2356-7872, pp-7 pages. (0.57)
9. **Syed Arishiya Naseem Fatima, Trimbak Biradar, S.T Fatima and Hanumagouda B.N**, Study of Effect of Porosity in the Presence of applied Magnetic field a cosine form Convex curved Plate Model, Int. J. of Mathematical Archive, Vol(7), No(9), 2016, ISSN 2229-5046, pp-162-171. (7.543)
10. **Syed Arishiya Naseem Fatima, Trimbak Biradar, S.T Fatima and Hanumagouda B.N**, Magneto-Hydrodynamic Couplestress Cosine form convex curved plates, Int. J. of Mathematical Archive, Vol(7), No(7), 2016, ISSN 2229-5046, pp-44-52. (7.543)



11. **Syed Arishiya Naseem Fatima, Trimbak Biradar, S.T Fatima and Hanumagouda B.N**, Derivation of Stochastic Reynolds Equation for Magneto-Hydrodynamic Couplestress Squeeze film Lubrication of Cosine- Form Convex Curved Plates, Int. J. of Engg. Sci. and Computing, Vol(6), No(8),2016, ISSN 2321-3361. pp-2753-2763. (5.611)
12. **Syed Arishiya Naseem Fatima, Trimbak Biradar and Hanumagouda B.N**, Magneto-Hydrodynamic Couple Stress Squeeze film Lubrication of Rough Annular Plates, Int. J. of Current Research, Vol(9), No(9),2017, ISSN 0975-833X, pp-58007-58014. (7.766)
13. **Syed Arishiya Naseem Fatima, Trimbak Biradar**, Modified Reynolds Equation for cosine form convex curved plates with porosity and MHD, Int. J. of Latest Engg. Research and Applications, Vol(3), No(2),2018, ISSN 2455-7137, pp-34-46. (2.105)
14. **Syed Arishiya Naseem Fatima, Trimbak Biradar and Hanumagouda B.N**, Modified Form of Reynolds Equation for Porous Cosine-Form Convex Curved Plates with Couplestress Effects, Int. J. of Advanced Research Development, Vol(3), No(2), 2018, ISSN-2455-4030, pp-104-115. (5.24)
15. **Trimbak Biradar, B.N.Hanumagouda, Suresh Biradar and Vishal**, Effect of Magneto- hydrodynamics and Couplestress on Characteristics of Sine Curve Slider Bearings, Gobal Journal of Engineering, Science and Researches, Vol(6), No (3), ISSN 2348-8034, 2019, pp-140-150. (5.070)
16. **Trimbak Biradar**, Perspectives of ICT Teaching and Learning in Higher Education, Article Published in National Seminar, 2019,

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