

RESUME

Dr. Devika Dabke

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OBJECTIVE:

To achieve a position which gives me an opportunity to experience and expand my knowledge while contributing creative solutions for the advancement of the organization.

ACADEMIC QUALIFICATIONS:

Education Level	Name of the Institution	Year of Passing	Percentage
Ph. D	Gulbarga University, Gulbarga	Feb 2011	Topic: Fluid Mechanics
M. Phil	Gulbarga University, Gulbarga	Apr 2006	73.75%
M. Sc	Dept. of Mathematics, Gulbarga University, Gulbarga.	Apr 2004	68.3%
B. Sc	Gulbarga University, Gulbarga	Apr 2002	63%
PUC	SSK Basaveshwara college Basavakalyan	Nov 1998	46.33%
SSLC	Basaveshwara High School Basavakalyan	April 1996	55.61%

COMPUTER SKILLS:

Application : MS Office, C- language and Mathematica

DETAILS EXPIRENCE: (9 Years 6 Months)

A: TEACHING EXPERIENCE

1. Worked as a lecturer in Shivayogi PU college Basavakalyan Dt. Bidar from 2004-2005. (8 Months)
2. Worked as a Guest Lecturer in the Department of Commerce Gulbarga University, Gulbarga for the subject Computer Applications in 2007 to 2008. (8 Months)

3. Worked as a Assistant Professor in New Horizon college of Engineering, Bangalore from Aug – Oct 2011. (3 Months)
4. Worked as a Assistant Professor in Atira Institute of Technology Bangalore from Nov 2011 to 28 Aug. 2012. (10 Months)
5. Working experience in CENTRAL UNIVERSITY OF KARNATAKA, GULBARGA from 29 Aug 2012 to till date. (9 Years 1 Months)

B: RESEARCH EXPERIENCE

Six years research experience.

RESEARCH FELLOWSHIPS:

Research Fellowships under UGC-RFSMS scheme, Dept. Of Mathematics, Gulbarga University, Gulbarga and released fellowship @ Rs 10,000/- pm each at received rate and contingency for Rs. 6000/- pa for a period of two years from the date of joining.

RESEARCH PUBLICATIONS:

INTERNATIONAL PUBLICATIONS: 14 (FOURTEEN)

1. Sulochana C, **Devika S**, “Convective Flow And Heat Transfer Through A Porous Medium With Quadratic Temperature Variation In Vertical Channel”, *International Review of Pure and Applied Mathematics*, 2009, Vol. 5, No. 1, pp. 25-37. (Jr. No.7895)
2. Sulochana C, **Devika S**, “Non-Darcy Effects On Hydromagnetic Convective Heat Transfer Flow Through A Porous Media In A Vertical Channel With Quadratic Temperature Density Variation”, *International Journal of Applied Mathematics and Physics* 2(1), January – June, 2010, pp. 31-38.
3. Sulochana C, Gururaj N and **Devika S**, Radiation effect on mixed convective heat and mass transfer through a porous medium in a non-uniformly heated vertical channel with thermo-diffusion effect, *The Global Journal of Applied Mathematics and Mathematical Sciences (GJ-AMMS)*, Vol. 3, No. 1-2, (January-December 2010), pp. 125-138.
4. Sulochana C, Gururaj N and **Devika S**, Soret effect on MHD convective heat and mass transfer in a corrugated horizontal channel with radiation and heat generating source, *International Review of Pure and Applied Mathematics* (July-December) 2010, Vol. 6, No. 2, pp. 189-205. (Jr. No.7895)
5. Sulochana C, Sharannamma V A and **Devika S.**, Radiation and Dissipation effects on convective heat transfer through a porous medium in a horizontal wavy channel, *Indian Journal of Mathematics and Mathematical Sciences*, Vol. 6, No. 2 (Dec. 2010): 143-162. (Jr. No.20805)

6. Sulochana C and **Devika S.**, Finite Element Analysis on MHD convective Heat Transfer flow through a porous media in a vertical channel with quadratic temperature density variation under the non-Darcy effect, *Indian Journal of Mathematics and Mathematical Sciences*, Vol. 6, No. 2 (Dec. 2010): 163-177. (Jr. No.20805)
7. Sulochana C, Gururaj N and **Devika S.**, “Finite element analysis of Thermo – Diffusion effect on convective heat and mass transfer through a porous medium in circular annulus”, *Int. J. of Appl. Math and Mech.* Vol. 7, No. 6(Feb. 2011): 80-101(ISSN:0973-0184)
8. Sulochana C, **Devika S.**, Non-Darcian convective flow in a concentric cylinder partially filled with porous medium with quadratic temperature variation, Proc. Int. Conf. on Fluid Dynamics and its Applications B. N. M Institute of Technology, Bangalore, India, July (2011) 20-22 pp. 637-647
9. Sapna, **Devika S** and Veena P H., “Effect Of Chemical Reaction On The Unsteady Convective Heat And Mass Transfer Flow In A Vertical Wavy Channel With Oscillatory Flux And Heat Sources” *International Journal of Mathematical Archive-4(3)*, 2013, 276-290 (Jr. No.47756)
10. Sapna, **Devika S** and Veena P H., “Hall Effects On Unsteady Convective Heat And Mass Transfer Flow In A Vertical Wavy Channel With Travelling Thermal Waves” *International Journal of Mathematical Archive-4(6)*, 2013, 155-169 (Jr. No.47756)
11. Sapna, **Devika S** and Veena P H., “Non-linear study of Heat and Mass Transfer of Two Immiscible Viscous Fluids Induced by Thermal Waves in Vertical Wavy Channel” *International Journal of Emerging Trends in Engineering and Development* issue 3, Vol.5 (Sep 2013) 51-74
12. **Devika S.**, Ohmic Heating and Melting heat transfer effects on Electrically conducting Dissipative Magnetic Nano Fluid, *Journal of Emerging Technologies and Innovative Researchs*, (JR.NO.1804199) April 2018, Volume 5, Issue 4 (pp 942-948)- ISSN 2349-5162
13. **Devika S.** Joule Heating and Melting heat transfer effect on eclectically conducting Dissipative Magnetic Field *Journal of Emerging Technologies and Innovative Researchs*,(JR.NO.1804199) April 2018, Volume 5, Issue 4 (pp 994-1000)- ISSN 2349-5162 .
14. Kshitish Kumar Mohanta, D. Sunil, **Devika Dabke**, Lakshmi Narayan Mishra, Vishnu Narayan Mishra, Data Envelopment analysis in the context of spherical fuzzy inputs and outputs, *European Journal of Pure and Applied Mathematics* Vol. 15, No. 3, 2022, 1158-1179 ISSN 1307-5543.

NATIONAL PUBLICATIONS: 01 (ONE)

1. Sulochana C, Prasada Rao & **Devika S**, Finite Element Analysis Of Hydromagnetic Free Convective Heat Transfer Through A Porous Medium In A Horizontal Porous Channel With Dissipative Effects”, *J. Pure and Appl. Phys.*, Vol. 19, No. 4, 2007, pp. 249-265.

CONFERENCES ATTENDED: INTERNATIONAL CONFERENCE: 03 (THREE)

1. Participated and presented a paper entitled “Non-Darcian convective flow in a concentric cylinder partially filled with porous medium with quadratic temperature variation” in the International Conference at BNM Institute of Technology, Bangalore during July 20 - 22, 2011.
2. Participated and presented a paper entitled “Effect of chemical Reaction on Unsteady Convective Heat and Mass Transfer Flow in a Vertical channel with Oscillatory Flux and Heat Sources” In the Int. Conference on Emerging Trends in Mathematical Sciences (ICETMS-2014), Vijayanagara Sri Krishnadevaraya University, Bellary during July 25-26, 2014
3. Participated “International e- Conference on Number Theory and Differential Equations (ICND-2021)”, December 20-24, 2021, Department of Mathematics, School of Physical Sciences, Central University of Karnataka, Kalaburagi, Karanataka, India

NATIONAL CONFERENCE: 10 (TEN)

1. Presented a paper entitled “Ohmic Heating and Melting heat transfer effects on Electrically conducting Dissipative Magnetic Nano Fluid” in the Online/Virtual based *National Conference on Recent Trends on Applied Sciences and Engineering* held on 6th -7th April 2018
2. Presented a paper entitled “Joule Heating and Melting heat transfer effect on eclectically conducting Dissipative Magnetic Field” in the Online/Virtual based *National Conference on Recent Trends on Applied Sciences and Engineering* held on 6th -7th April 2018
3. Participated and presented a paper entitled “Finite Element Analysis on MHD Convective Heat Transfer Flow through a Porous Media in a Vertical Channel with Quadratic Temperature Density Variation under the Non-Darcy Effect”, in the National Conference on ‘Recent Trends in Applications of Mathematics in Sciences and Technology’ was held at GITAM University, Visakhapatnam (A.P) on April 15th and 16th, 2011.
4. Participated and presented a paper entitled “Convective flow of a viscous fluid in a horizontal channel immersed in a saturated porous medium”, in the National Conference on ‘Frontiers in Fluid Mechanics’ held at Department of Mathematics, Gulbarga University, Gulbarga from 22-23 February 2011.
5. Participated and presented a paper entitled “Convective Heat Transfer Through A Porous Medium With Dissipation Effects And Heat Sources In Rectangular Duct”, at UGC National Seminar on ‘Advanced techniques in mathematics and applied sciences’ conducted by

Department of Mathematics, Sri Krishnadevaraya University, Anantapur on 30-31st October, 2010.

6. Participated and presented a research paper in the National Symposium on “Recent Advances in Applied Mathematics”, sponsored by UGC, New Delhi under special Assistance Programme, DRS-II held at Department of Studies and Research in Mathematics, Gulbarga University, Gulbarga during February 8-9, 2010.
7. Attended the National Seminar on “Fluid Mechanics” sponsored by University Grants Commission, New Delhi under Special Assistance Programme DRS – II held at Department of Studies and Research in Mathematics, Gulbarga University, Gulbarga during March 24-25, 2009.
8. Participated and Presented a paper entitled “Connective Flow And Heat Transfer Through A Porous Medium With Quadratic Temperature Variation In A Vertical Channel” at the XVI Congress, organized by National Geophysical Research Institute, Hyderabad, from December 8 to 10, 2007.
9. Participated and Presented a paper entitled “Finite Element Analysis Of Hydro Magnetic Free Convective Heat Transfer Through A Porous Medium In Horizontal Porous Channel With Dissipative Effects” at the National Seminar on Numerical Techniques organized by Department of Mathematics, University College of Engineering, Osmania University, Hyderabad during August 3-4, 2007.
10. Participated in the National Conference on “Applied Mathematics” sponsored by University Grants Commission, New Delhi under Special Assistance Programme DRS held at Department of Studies and Research in Mathematics, Gulbarga University, Gulbarga held on 7th and 8th February 2006.

REGIONAL CONFERENCE/WORKSHOP/SEMINAR: 06 (SIX)

1. Participated One day Seminar on “Food Security & Natural Resource Management” sponsored by: UGC-New Delhi, organized by Faculty of Science & Technology, Gulbarga University, Gulbarga on 8th October 2012.
2. Participated “Two Days KSTA Regional Conference on Science and Technology for Development” sponsored by Karnataka science and Technology Academy/Central University of Karnataka, held on 30 – 31 Jan 2014
3. Attended Complementary seminar on “MATLAB AND SIMULINK FOR ENGINEERING EDUCATION” on 18th Feb. 2014

4. Participated “KSTA Conference on Science and Technology for Disaster Management” sponsored by Karnataka Science and Technology Academy/Central University of Karnataka, held on 22 – 23 Jan 2015
5. Participated “One Day E-Content Workshop” organized by Central Library, Central University of Karnataka, Kalburgi on 19th Jan. 2016
6. Participated workshop on “**Know Nano-2016**” held at Central University of Karnataka, Kalburgi from 19th -21st Apr. 2016

WORKSHOP ATTENDED: 05 (Five)

7. Attended the Workshop in Mathematics at Department of Mathematics, Gulbarga University, Gulbarga, under UGC Special Assistance Programme – DRS, held during March 26-28, 2007.
8. Local Organizing committee member of the three days ‘**National Workshop on “Basic Matlab Programming and Simulink”**’ held from 6th -8th of May 2015 in Dept. of Mathematics, Central University of Karnataka, Kadaganchi, Kalaburgi
9. Participated ‘**National Workshop on Innovative Research Techniques**’ held on 25-26th November 2016 at Department of Mathematics, **Central University of Karnataka. Gulbarga**
10. Participated ‘**National Workshop on Current Research in Mathematical Sciences**’ held at Department of Mathematics, **Central University of Karnataka** from 28-30 March 2019
11. **Organizing committee member** in ‘**National Workshop on Current Research in Mathematical Sciences**’ held at Department of Mathematics, **Central University of Karnataka** from 28-30 March 2019

FACULTY DEVELOPMENT PROGRAMME

1. Participated in ***Two- Week Faculty Development Program on Entrepreneurship*** held from 17th -28th July -2017, organized by **Department of Business Studies, School of Business Studies, Central University of Karnataka, Kalburgi.**
2. Participated 40-hours Online Faculty Development Program on “***Mathematical Models For Machine Learning and Its Applications***” sponsored by Ministry of Electronics and Information Technology (Meity) GoI organized by E& ICT Academy, NIT Warangal & Faculty of Science & Technology, ICFAI Foundation for Higher Education, Hyderabad during 11th – 20th July 2022.

LIFE MEMBERSHIP OF SOCIETY

1. Life Member of the ‘Indian Society of Theoretical and Applied Mechanics’ from 30.09.2016 and life member Number is L/1075

ADVISORY COMMITTEE MEMBER

1. **National Conference on Recent Trends in Applied Sciences and Engineering -2018** held on 6th-7th April 2018 Online/Virtual Based

PERSONAL PROFILE:

Fathers Name : Shanmukappa B Dabke
Mother's Name : Shobharani S Dabke
Marital Status : Married
Date of Birth : 31st Jan. 1982
Sex : Female
Nationality : Indian
Languages Known : Kannada, Hindi, English, Telugu and Marathi
Interests : RESEARCH and TEACHING

DECLARATION:

I hereby declare that the above information furnished is true to the best of my knowledge.



(Devika S)

Place: Basavakalyan
Date: 09-12-2022