

CURRICULUM VITAE

Dr.G.M.PAVITHRA

Assistant Professor
Department Of Mathematics
Sahyadri Science College
Shivamogga-577203



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PERSONAL PROFILE

- Sex : Female
- Date of Birth : 17th September 1985
- Father Name : Late G.S.Maharudrappa
- Religion : Hindu
- Marital Status : Married
- Language Proficiency : English, Kannada, Hindi
- Permanent address : Dr.G.M.Pavithra
#80, Shrigandha Nilaya
3rd Main, Ganapathi Layout,
Vidyanagara
Shivamogga-577 204

EDUCATIONAL QUALIFICATION

- **Ph.D** in the year 2014 at Kuvempu University, Shankaraghatta, Shivamogga.
- **M.Sc** (Mathematics) in the year 2008 at Kuvempu University, Shankaraghatta, Shivamogga with **72.00%**
- **B.Sc** (PCM) in the year 2006 with **67.00%**
- **SSLC** in the year 2001 with **84.48%**

TEACHING EXPERIENCE

I. As a regular faculty in Sahyadri Science College UG level

From 20-03-2017 to till date

Courses taught:

1. B.Sc.
2. B.Sc (Hons.) in Chemistry (Allied subject: Mathematics).
3. B.Sc. Distance education.

II. Worked as **Assistant Professor** at Jain Institute Of Technology, Davangere.
From 14-07-2014 to 30-04-2016 (Total service: 1 year and 10 months)

RESEARCH EXPERIENCE:

- 15 Years (Including M. Sc and Ph. D)
- Two years Worked as a Junior research fellow funded by UGC New Delhi
- Three years Worked as a Senior research fellow funded by UGC New Delhi

AREA OF THE RESEARCH WORK

Fluid Mechanics (MATHEMATICS).

RESEARCH PUBLICATIONS

- I. International referred journals : 05
- II. National referred journals: 01

RESEARCH PAPERS PRESENTATIONS

- I. International Conferences :02
- II. National Conferences :11
- III. National Seminars :02
- IV. Workshop: 08

PARTICIPATION IN INTERNATIONAL, NATIONAL CONFERENCES, SEMINARS AND WORKSHOPS

- I. International Conferences :02
- II. National Conferencess :10
- III. National Seminars : 05
- IV. Workshop: 17

PARTICIPATION IN INTERNATIONAL AND NATIONAL WEBINARS, QUIZZ AND FACULTY DEVELOPMENT PROGRAMME

- I. International Conferences :04
- II. National Webinars : 05
- III. Faculty Development Programme :04
- IV. Quizz: 04

ORIENTATION/REFRESHER COURSE ATTENDED

Sr. No	Particulars	Place	Duration	Sponsoring Agency
01	Orientation course	Mysore	22.11.2018 To 19.12.2018 (28 Days)	UGC – HRDC, UoM, Mysore
02	Short term course	Gujarat	11.06.2020 To 17.06.2020 (7 Days)	UGC – HRDC, Gujarat University, Gujarat
03	Faculty Development Programme	Delhi	01.10.2020 To 15.10.2020 (2 Weeks)	TLC, Ramanujan College, University of Delhi

AWARDS

Rajiv Gandhi National Fellowship Award from UGC (2010-11) .

PARTICIPATION IN ACADEMIC BODY MEETINGS

Member of BOE of Mathematics Department during 2017-2018.

Member of BOE of Mathematics Department during 2018-2019.

Member of BOE of Mathematics Department during 2019-2020.

MEMBER FOR PROFESSIONAL BODIES

Member in International Association of Engineers (IAENG)(No : 135358).

SPECIAL TRAINING PROGRAMME ATTENDED

Sr. No	Particulars	Place	Duration	Sponsoring Agency
01.	Basic Course for Ranger Leaders	State Training Center, Doddaballapura	25.06.2019 To 01.07.2019 (7 Days)	Bharath Scouts & Guides- Karnataka

CO-ORDINATOR AND MEMBER IN SAHYADRI COLLEGE

1. Working as a **Ranger Leader, Rangers, from December 2017 to till**, and actively took part in establishing the college.
2. Worked as active member in various committees of the college such as **Discipline committee, Pratibha Puraskara committee, Admission committee, Sahyadri Vijnana Parishat committee, Teacher's valuation committee, Sports committee, Time table committee, Magazine committee, Convocation Day committee, Cultural committee, Stock verification committee, Student Orientation Programme Committee cultural screening committee etc.**

PUBLICATIONS/COMMUNICATIONS IN JOURNALS

1. B.J.Gireesha & **G.M.Pavithra**, "Flow and Heat Transfer of a Fluid-Particle Suspension Past a Vertical Exponentially Stretching Surface with Internal Heat Generation/Absorption", (**In Press**)
2. **G.M.Pavithra** & B.J.Gireesha, "Unsteady Flow And Heat Transfer Of A Fluid-Particle Suspension Over An Exponentially Stretching Sheet", '**Ain Shams Engineering Journal**' (**Elsevier publication**) 5(2014), Pp.613-624.
3. **G.M.Pavithra** & B.J.Gireesha, "Effect of Viscous Dissipation On Hydromagnetic Fluid Flow And Heat Transfer In A Porous Medium At An Exponentially Stretching Sheet with Fluid-Particle Suspension", '**Afrika Matematika**' (**Springer publication**), 26(3-4)(2015), Pp.419-432.
4. **G.M.Pavithra** & B.J.Gireesha, "Effect of Internal Heat Generation/Absorption on Dusty Fluid Flow over an Exponentially Stretching Sheet with Viscous Dissipation", '**Journal of Mathematics**' (**Hindawi Publishing Corporation**), 2013, Pp.1-10.
5. B.J.Gireesha, **G.M.Pavithra** & C.S.Bagewadi, "Hydromagnetic Dusty Fluid Flow Due To An Exponentially Stretching Sheet In Presence Of Viscous Dissipation" in the proceedings of the National Conference on "**Geometry, Algebra, Logic and Number Theory, Applications**" 2012, Pp.150-163.
6. B.J.Gireesha, **G.M.Pavithra** & C.S.Bagewadi, "Thermal Radiation Effect on MHD Flow of A Dusty Fluid Over An Exponentially Stretching Sheet", '**International Journal of Engineering Research & Technology**' (**IJERT**), 2(2)(2013) Pp.1-11.
7. B.J.Gireesha, **G.M.Pavithra** & C.S.Bagewadi, "Boundary Layer Flow and Heat Transfer of a Dusty Fluid over an Exponentially Stretching Sheet",

PROGRAMMES ORGANIZED

1. "One day Orientation Programme for UG Mathematics Teachers" on **19th January 2020.**
2. One day State Level Seminar on "Applications of Mathematics" on **16th February 2019.**
3. "One day State Level Seminar on Computational Softwares for UG Teachers of Kuvempu University" on **11th January 2019.**
4. One day state level seminar on "Advances in mathematics and its applications" on **24th March 2017.**

INVITED LECTURES /AS A RESOURCE PERSON

1. Delivered a special lecture in GFGC, Nyamathias as a resource Person on 18th March 2019.
2. Delivered a special lecture in GFGC, Shikaripura as a resource Person on 22nd August 2019.
3. Delivered a special lecture in department of PG Studies in Physics, Sahyadri Science College, Shivamogga as a resource Person on 15th March 2021.
4. Delivered a special lecture in department of PG Studies in Physics, Sahyadri Science College, Shivamogga as a resource Person on 23rd March 2021.

CONFERENCES/SEMINARS/SYMPOSIUM/ATTENDED/PRESENTED:

1. Participated in Two days National Conference on "**Opportunities And Challenges in Information Technology**" on 9-10th Mar 2021 organized by Sahyadri Science College, Kuvempu University, **Shivamogga**. Paper presented: "**Fluid-particle suspension in unsteady MHD flow and heat transfer Over a vertical exponential stretching sheet**".
2. Participated in One day Workshop on "**Skill Development Awareness Program**" on 9th Mar 2021 organized by Womens study centre, Kuvempu University, **Shankaraghatta**.

3. Participated in One day Workshop on **“Paradigm Shift: NAAC Revised Accrediation Framework 2020”** on 10th Feb 2021 organized by Sahyadri Commerce and Management College, **Shivamogga**.
4. Participated in One day Workshop on **“Developing Online Resources: Learning Management System”** on 27th Jan 2021 organized by Sahyadri Arts College, **Shivamogga**.
5. Participated in One day Workshop on **“Scilab& Maxima for UG Mathematics Teachers”** on 16th Jan 2021 organized by Department of Mathematics, Kuvempu University, **Shankaraghatta**.
6. Participated in Faculty Development Program on **“Artificial Lotus Leaves for Applications in Gas separation and oil spills cleanup”** on 5th Dec 2020 organized by Prathap University, **Jaipur**.
7. Participated in Two Days **“International Conference on Number Theory”** on 28-29th October 2020 organized by Department of Mathematics, Bengaluru City University, **Bangalore**.
8. Participated in One day National Webinar on **“Challenges of Higher Education in India- The Road Ahead”** on 23rd Nov 2020 organized by IQAC-NAAC wings, Sahyadri Arts College, **Shivamogga**.
9. Participated in **“International Conference on Present Scenario of Mathematical Sciences”** on 12-13th Sept 2020 organized by Department of Mathematics, Karnatak University’s Karnatak Arts College, **Dharwad**.
10. Participated in **“National Webinar on Re-skilling of Teachers in view of New Education Policy-2020”** on 3rd Sept 2020 organized by FAA Government PG College, Mahmudabad, **Sitapur**.
11. Participated in Two Days National Webinar on **“Linear Algebra And Its Applications”** on 31st Oct to 01st Nov 2020 organized by Gudlavalleru Engineering College, **Andhra Pradesh**.
12. Participated in One week Faculty Development Programme on **“Material Synthesis and Characterization for Device Applications”** on 31st Aug to 5th Sept 2020 organized by Department of Physics & Chemistry, NMIT, **Bangalore**.
13. Participated in Two Days **“National Webinar on Bharat-Centric National Education Policy-2020”** on 30-31st Aug 2020 organized by Governoment Degree College, **Budaun (UP)**.

14. Participated in One Day Online Programme on **“COVID 19 Stress Management”** on 19th Aug 2020 organized by State NSS Cell and Kuvempu University, **Shivamogga**.
15. Participated in Four days National Online Faculty Development Program on **“Impact of COVID 19 on Academics”** on 21-24th July 2020 organized by Sahyadri Commerce and Management College, **Shivamogga**.
16. Participated in Four Days **“National Webinar on Fluid Mechanics and its Applications in Engineering Science”** on 24–27th June 2020 organized by PES Institute of Technology And Management, **Shivamogga**.
17. Participated in One day International Webinar on **“Women Health & Hygiene: Young Adult Issues”** on 24th June 2020 organized by Dept. of English, GFGC, Vijaynagar, Bengaluru & Dept. of Studies in English, Hemangotri PG Centre, **Hassan**.
18. Participated in One Day Webinar on **“Role of IQAC in Institutes of Higher Education”** on 22nd June 2020 organized by IQAC, BLDEA’s Vachana Pitamaha Dr. P.G. Halakatti College of Engineering & Technology, **Vijayapur**.
19. Participated in One week National Level Faculty Development Programme on **“Challenges before Higher Education System During COVID-19 Pandemic”** on 8-14th June 2020 organized by GFGC & PG Study Centre, Bapujinagara, **Shivamogga**.
20. Participated in International Webinar on **“Maple Software for beginners: A Mathematical Tool”** on 5th June 2020 organized by Dept of Mathematics, K.L.E.Society’s Jagadguru Tontadarya College, **Gadag**.
21. Participated in National Conference on **“Industrial Applications of Mathematics and Its developments”** on 13-14th Mar 2020 organized by the Department Of Mathematics, Kuvempu University, Shankarghatta, **Shivamogga**. Paper presented: **“Flow and Heat Transfer of a Fluid Particle past a vertical exponential stretching surface with Internal Heat Generation/Absorption”**.
22. Participated in National Conference on **“Recent Trends in Applied Sciences and Computing Engineering”** on 26-27th July 2019 organized by Jawaharlal Nehru National College of Engineering, **Shivamogga**.
23. Participated in Regional workshop on **“Research Based Pedagogical Tools”** on 3-5th June 2019 organized by Jawaharlal Nehru National College of Engineering, **Shivamogga**.

24. Participated in One week State Level Workshop on **“Applications of Mathematics and Science Software”** on 24-30th Apr 2019 organized by the Department Of Mathematics, D.V.S. College of Arts, Science and Commerce, **Shivamogga**.
25. Participated in One Day National Level Seminar on **“Recent Trends Ad Applications in Mathematics”** on 26th Mar 2019 held at Govt. First Grade College, **Chitradurga**. Paper presented: **“Fluid-Particle Suspension in unsteady MHD Flow and heat transfer over a vertical exponential stretching sheet”**.
26. Participated in One Day State Level Seminar on **“Recent Trends in Electronics”** on 7th Mar 2019 held at Sahyadri Science College, **Shivamogga**.
27. Participated in the State Level Seminar on **“Recent Research Trends in Physics”** on 25th Feb 2019 held at Sahyadri Science College, **Shivamogga**.
28. Participated in the State Level Workshop on **“Remote Sensing Application In Geology”** held on 9th Jan 2019 organized by Sahyadri Science College, **Shivamogga**.
29. Participated in the Workshop on **“Changing paradigms in higher education: assessment Accreditation and Excellence”** held on 13th Oct 2018 organized by Sahyadri Arts College, Kuvempu University, **Shivamogga**.
30. University level 3 days Instructional Workshop on **“Free and Open Source Mathematics Software”** held on 23 - 25th June 2018 organized by the Department Of Mathematics, Kuvempu University, Shankarghatta, **Shivamogga**.
31. One day state level seminar on **“Advances in Mathematics and its Application”** on 24th Mar 2017 organized by Department Of Mathematics, Sahyadri Science College, **Shivamogga**.
32. International Conference on **“Differential Geometry, Analysis and Fluid Mechanics (ICDGAFM-2016)”** held on 4 - 5th Feb 2016 organized by the Department Of Mathematics, Kuvempu University, Shankarghatta, **Shivamogga**.
33. **“Feel Teacher” Learning And Development Intervention**, held on 29-31st Jan 2016, organized by Jain Institute of Techonology, Davangere and conducted by CLHRD, Mangaluru, held at Jain Institute of Techonology, **Davangere**.

34. Two days workshop on “**Applications Of Differential Geometry And Fluid Mechanics**” held on 26-27th Aug 2014 organized by Department Of Mathematics, Kuvempu University, Shankarghatta, **Shivamogga**. Paper presented : “***Unsteady Flow and heat transfer of a dusty fluid over an exponentially stretching sheet***”.
35. One Day National Seminar on “**Recent Advances in Mathematics & their implications**”, held on 08th Mar 2014 organized by Department of Mathematics, D.R.M Scince college, **DAVANGERE**.
36. National Conference on “**Geometry, Analysis and Fluid Mechanics (NCGAF-2013)**” held on 20 - 21st Sep 2013 in the Department of Mathematics, Government First Grade College, **Koppa** in association with Department of Studies and Research in Mathematics, Kuvempu University, Shivamogga. Paper presented : “***Numerical solution for flow and heat transfer of fluid-particle suspension past a vertical exponentially stretching surface with internal heat generation/absorption***”.
37. International Conference on “**Mathematics - 2013**” held on 9-10th Aug 2013 in Kochi, **Kerala**, organized by International Multidisciplinary Research Foundation. Paper presented : “***Effect of internal heat generation/absorption on dusty fluid flow over an exponentially stretching sheet with viscous dissipation***”.
38. Conference on “**Differential Geometry**” held on 25th July 2013 in the Department of Mathematics, Bangalore university, Central college campus, **Bangalore**. Paper presented : “***Effect of viscous dissipation on mhd flow and heat transfer of a dusty fluid in a porous medium at an exponentially stretching sheet***”
39. “**Maths Fest - 2013**” held on 22-23rd Feb 2013 organized by the Department of PG Studies and Research in Mathematics, Kuvempu University, Shankaraghatta, **SHIVAMOGGA**.
40. National Conference on “**Mathematical Sciences and Applications**” held on 9th Mar 2013 in the Department of Mathematics, Government First Grade College, **Koppa** in association with Department of Studies and Research in Mathematics, Kuvempu University, **Shivamogga**. Paper presented : “***Thermal radiation effect on mhd flow of a dusty fluid over an exponentially stretching sheet***”.
41. National Conference on “**Geometry, Algebra, Logic and Number Theory, Applications**” held on 6th Dec 2012 in the Department of Studies and Research in Mathematics and Centre for Industrial and Applied Mathematics, Tumkur University, **Tumkur**. Paper Presented:

“Hydromagnetic dusty fluid flow due to an exponentially stretching sheet in presence of viscous dissipation”.

42. **“Special Lecture Series in Mathematics”**, held on 4–6th October 2012, Sponsored by Karnataka Science and Technology Academy, Government of Karnataka, organized by Department of Mathematics, Kuvempu University, **SHIVAMOGGA**.
43. National conference on **“Recent Developments in Mathematics”** held on 4-5th May 2012 organized by Department of Mathematics, Kuvempu University, **SHIVAMOGGA**, Paper Presented :**“Boundary layer flow and heat transfer of a dusty fluid over an exponentially stretching sheet”**.
44. Prepared model in **“Kuvempu University Silver Jubilee Exhibition”** held on 16-19 Feb 2012 organized by Committee for Popularization of Science Education, Kuvempu University, **Shankaraghatta**.
45. 3rd Annual conference of **The Tensor Society on Differential Geometry and its applications’** held on 27-28th May 2011 organized by Department of Mathematics, Kuvempu University, **SHIVAMOGGA**,
46. Two Days Workshop on **“The Vision Group of Mathematics and Computer Science”**, held on 19-20 Mar 2010, organized by Department of Mathematics, Kuvempu University, **SHIVAMOGGA**.
47. **“Special Lecture Series in Mathematics”**, held on 30th Mar to 01st Apr 2009, Sponsored by Karnataka Science and Technology Academy, Government of Karnataka, organized by Department of Mathematics, Kuvempu University, **SHIVAMOGGA**.
48. One Day Seminar on **“Recent Trends in Mathematics”**, held on 05th May 2008 organized by Department of Mathematics, Kuvempu University, **SHIVAMOGGA**.
49. Three days **“Entrepreneurship Awareness Programme”** held on 27-29th Aug 2005 organized by CEDOK, Dharwad in association with D R M Science College, **Davanagere**.

DECLARATION

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

Date: 10-07-2021
Place: Shivamogga

(Dr.G.M Pavithra)