

CURRICULUM-VITAE

Dr. (Mrs.) Vrishali U. Edlabadkar

Associate Professor & Head
Department of Applied Science
SSBT's College of Engineering and
Technology, Bambhori, Jalgaon 425 001.
Email: edlabadkar.vrishali@gmail.com
Mobile: 9423103247



Educational Qualifications:

- Post Graduate Diploma in Educational Administration, from Symbiosis Pune, in 2010.
- Ph. D. (Faculty of Science), from RTM Nagpur University Nagpur in September 2007.
- M.Sc. (Mathematics), from school of Mathematics, DAVV, Indore University, Indore.
- B. Sc. from GDC, DAVV, Indore University, Indore.

Software Exposure:

- **Text formatting and office:** LaTeX, Microsoft Word, Excel and Power point.

Teaching Experience: **14.5 Years**

- Worked as Assistant Professor with Department of Mathematics, School of Mathematics Sciences, NMU Jalgaon, Jan 2013 to July 2014.
- Worked as Assistant Professor with G H Rasoni Institute of Engineering and Management, Jalgaon from January 2012 to December 2012 and as Associate Professor from August 2014 to March 2016.
- Worked as Assistant Professor with Shri RamdeobabaKamla Nehru College of Engineering, Nagpur from September 2008 to November 2011.
- Worked as Lecturer at G H Rasoni College of Engineering, Nagpur, from May 2006 to September 2008.
- Worked as Teaching Assistant at VNIT (VRCE) Nagpur, from July 2002 to April 2006 and June 2000 to April 2001.

Research Interest:

- **Relativity and Cosmology**

Publications: **06**

- **Total citations: 18**
- **H-index: 02**
- **I10: 01**

1. G S Khadekar, V A Patki, & R Radha, "Higher Dimensional String Cosmological Model With Dynamical Cosmological term Λ " published in Journal of dynamical systems and Geometric theories, Vol. 6 No. 1, May (2008) 61-74.
(IF 0.46)
2. G S Khadekar, V A Patki, & R Radha, "String Cosmological Model with bulk viscosity in Higher Dimensional Space Time" published in Journal of dynamical systems and Geometric theories, Vol. 5 No. 2 (2007) 117-123.
(IF 0.46)
3. G S Khadekar, V A Patki, "Kaluza-Klein Type Robertson Walker Cosmological Model With Dynamical Cosmological Term Λ " gr-qc/0508089, Published in International Journal of Theoretical physics (online first 27 Nov 2007) Vol.47, No. 6, June (2008) 1751-1763.
(IF 0.845, citations: 14)
4. G S Khadekar, V A Patki, & R Radha, "String Cosmological Model in Higher Dimensional Space Time" Published in International Journal of Modern Physics D, Vol. 14, No. 9 (2005) 1621-1634.
(IF 1.183, citations:04)
5. G S Khadekar, V A Patki, & R Radha, "Cosmological Solutions In Variable Rest Mass Theory Of Gravitation", Published in Fizika B 13 (2004) 4, 711-718.
6. G S Khadekar, V A Patki, "De-sitter type of cosmological model in N-Dimension space-time- mass (STM) theory of gravity", Published in Journal of Indian academy of Mathematics, vol. 27 No. 1 (2005) 123 -127.

Membership of Professional Committees:

- Life member of '**Indian Society of Technical Education (ISTE)**.'

Administrative Work Experience:

- Approved **research supervisor** affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.
- Worked as Pre- University Examination incharge for I year B. E. at GHRCE, Nagpur.
- Worked as a **subject expert** on selection panel for conduction of interviews of faculty members to various colleges.
- Worked as member
 - 1 In Central Admission Committee for CAP admissions of First Year Bachelor of Engineering programme at GHRCE, Nagpur.
 - 2 In University Examination Committee for UG and PG Examinations
 - 3 In College Exam Committees.
 - 4 In college admission committee.

- 5 For First Year Forum committees.
 - 6 In spot valuation committee.
 - 7 Of organizing committee of “ Mission 10X Faculty empowerment program”
- As a valuer, moderator and paper setter in RTM Nagpur university exams for the subject Applied Mathematics I, II III and IV for all branches.
 - Involved in various activities like Teacher-Guardian Scheme for students, Cultural activities etc.
 - Worked as a member of organizing committee of National conference on “Current Practices in Mathematics, Statistics and Actuarial Science” organized by School of Mathematical Sciences, NMU Jalgaon.

Conferences/Seminars/ Workshop attended:

- Attended Two Week ISTE Short Term Training Programme (STTP) on Technical Communication for STEM faculty. One week equivalent of work which was online, during 8th October to 11th November 2015 and physical participation at Remote center was during 30th November to 5th December 2015.
- Attended and worked as a member of organizing committee of Second National Conference on “Algebra, Analysis and Fuzzy Mathematics”, and presented a paper "Domain walls with quark matter in 5D Kaluza Klein model with cosmological Term lambda" organised by department of Mathematics, School of Mathematical Sciences, Jalgaon, held during January 29-30, 2016 .
- Attended and worked as a member of organizing committee of National Conference , “ Algebra, Analysis and Fuzzy Mathematics” during , 20th -21st Feb 2014, organized by School of Mathematical Sciences, NMU Jalgaon and presented a paper titled “Dynamical behaviour of Scalar Fields near the initial Singularity in Kaluza-Klein Theory of Gravitation”.
- Attended State Level Conference, “Recent trends in Mathematics and its Applications”, during 16-17 Dec 2013 organized by G D M Arts, K R N Commerce and M D Science College, Jamner, Distt. Jalgaon.
- Attended national conference, “ Current Practices in Mathematics, Statistics and Actuarial Sciences”, during, 7th -8th march 2013, organized by School of Mathematical Sciences, NMU Jalgaon.
- Attended refresher course in IT applications, during 4th to 24th March 2011, organized by, UGC Academic Staff college, RTM Nagpur University, Nagpur.
- Attended “ National Conference on Recent Trends in Mathematics”, organized by Department of Mathematics, Govt. Vidarbha Institute of Science & Humanities, Amravati, during September 18-19, 2009 and presented a paper titled “Domain wall with quark matter in 5D Kaluza-Klein model with cosmological term Λ ”.
- Completed one week short term training on “Numerical Method for scientists and Engineers”, during 21st Dec to 25th Dec 2009, organized by Department of Mathematics, VNIT, Nagpur.
- Completed one week short term training on “Recent trends in Mathematics”, during 20th July to 24th July 2009, organized by Department of Mathematics, VNIT, Nagpur.

- Attended short term training program on Latex and Linux, during 29th -31st March 2010, organized by Department of Mathematics, RTM Nagpur University, Nagpur
- Lecture Series on Differential equations, General Relativity and Cosmology, during 19-20th December, 2008, Conducted by Department of Mathematics, RTM Nagpur University, Nagpur.
- 9th Conference of the International Academy of Physical Sciences (CONIAPS IX), organized by Department o Mathematics, Dr. B. R. Ambedkar (Agra) University, Agra, during 3rd to 5thFebruary 2007, and presented a paper String Cosmological Model with bulk viscosity in Higher Dimensional Space Time.
- Workshop on Latex, during 5th - 7th March 2007, Department of Mathematics P. G. T. D. Nagpur University, Nagpur.
- Faculty development program of Vidula Consultancy services Ltd. Kolkata, during 7th to 9th November 2006, organized by GHRCE, Nagpur.
- Attended International Conference On Relativity, organized by Post Graduate Department of Mathematics, Amravati University, during 11th to 14th January 2005, and presented a paper String Dust Cosmological Model In Higher Dimensional Space Time.
- Attended seminar on theory of Relativity on Aug. 21, 2004.
- Attended National Symposium on Mathematical Sciences, organized by Department of Mathematics P. G. T. D., Nagpur University, Nagpur, during 1st to 5th March 2001, and presented a paper De-Sitter Type of Cosmological model in n-Dimension Space-Time-Mass (STM) theory of Gravity.

Guest Lectures Delivered:

- Delivered Guest Lecture on Curve Tracing at SVSS College of Engg and Technoogy, Nagpur on 20th Nov 2009.
- Guest Lecture on Fourier series and Fourier Transforms at SVSS College of Engg and Technology, Nagpur on 13th Sep 2011.
- Delivered Guest lecture on Classical mechanics at School of Mathematical Sciences, Department of Mathematics, NMU Jalgaon under the UGC scheme of remedial coaching at prost graduate level for students belonging to SC, ST, OBC and Minority, on 26th Sep 2013.

Dr. Vrishali U Edlabadkar