Dr. VIKAS K

Assistant Professor

Department of Mathematics

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RESEARCH INTEREST

Differential Geometry of Manifolds and Number Theory.

TEACHING EXPERIENCE

Having 14 years of Teaching experience and 9 years of Research experience.

- 2008-2012: Lecturer in Mathematics, KLS PU Science College, Haliyal, Karnataka.
- 2012-2016: Joined as Junior Research Fellow in UGC Major Research Project and completed Ph.D.
- 2016-2018: Lecturer in Mathematics, P.G Center, KLE'S J.T. College, Gadag, Karnataka.
- 2018 to 2020: Assistant Professor in Mathematics, Jain Institute of Technology, Davanagere.
- 2020 to till date: Assistant Professor in Mathematics, Bapuji Institute of Engineering and Technology, Davanagere.

EDUCATION

- Ph.D. in Mathematics from Karnatak University, Dharwad, Karnataka.(2013- 2016) Title of the Thesis: ***'On Symmetric and Recurrent type of Contact and Lorentzian Manifolds'***.
- Master of Science in Mathematics: Secured 60.83% from Karnatak University, Dharwad, Karnataka. (2006-2008).
- Bachelor of Science: Secured 63.43% from Kuvempu University, Shimoga, Karnataka. (2003-2006).

PUBLICATIONS

1. D.G. Prakasha, S.K. Hui and **K. Vikas**, *On Weakly $\varphi - Ricci$ Symmetric Kenmotsu Manifolds*, International Journal of Pure and Applied Mathematics,95 (4) 2014, 515-521.

2. D.G. Prakasha, **K. Vikas**, *On weak symmetries of Kenmotsu Manifolds with respect to quarter- symmetric metric connection*, Annales Mathematicae et Informaticae, 45 (2015),79–90.

3. D.G. Prakasha, **K. Vikas**, *On $\varphi - Recurrent$ para-Kenmotsu Manifolds*, International J. of Pure & Engg. Mathematics (IJPEM), 3 (2) 2015,17-26.

4. A. Taleshian, D. G. Prakasha, **K. Vikas** and N. Asghari, *On the Conharmonic Curvature Tensor of LP-Sasakian Manifolds*, Palestine Journal of Mathematics, 5(1) 2016,177–184.

5. D. G. Prakasha, **K. Vikas**, *Some Results on Lorentzian* $\alpha - $ *Sasakian Manifolds*, Published in Proceedings of Conference on Differential Geometry, (2013), 77-83. [ISBN:978-81-928387-1-7].

CONFERENCES/WORKSHOPS

1. Attended workshop on *Mathematics and Statistics Education in India*, on 10th January, 2012, organized by Dept. of Mathematics, Statistics and Computer Science, Karnatk University, Dharwad.

2. Participated in *UGC sponsored National Seminar on Analysis and Applications* organized by Dept. of Mathematics, Karnatk University, Dharwad, during 22-23 March,2013.

3. Participated in the *Conference on Differential Geometry*, and presented an article *Some Results on Lorentzian* $\alpha - $ *Sasakian Manifolds,* held at the Dept. of Mathematics, Bangalore University, Central College Campus, Bangalore on 25th July,2013.

4. Participated in two days *National Seminar on Recent Trends in Mathematics and its Applications* held at Gogte Institute of Technology, Belagavi, during 28-29 January,2014.

5. Participated in *Faculty Enrichment Programme[8 Days Instructional Workshop on Differential Geometry]* jointly organized by Dept. of Mathematics, Kuvempu University and Ramanujan Mathematical Society held during 5-12 July,2014.

6. Participated in *International Conference on Emerging Trends in Mathematical Sciences*, organized by Dept. of Mathematics, Vijayanagara Sri Krishnadevaraya University, Bellary, held during 25-26 July,2014.

7. Participated in *National Conference on Advances in Geometry, Analysis and Fluid Mechanics* and Presented a paper entitled *On Weakly* $\varphi - $ *Ricci Symmetric Kenmotsu Manifolds,* held during 26-27 August, 2014 in the Dept. of Mathematics, Kuvempu University,Shimoga.

8. Participated in *Workshop on Algorithms* held at Karnatak University, Dharwad during 18-20 September,2014.

9. Attended *International Workshop on Differential Geometry (Foundations and Developments)* conducted by Dept. of Mathematics and Computer Science, Sri Satya Sai Institute of Higher Learning, Puttaparthi, during 10-11 July,2015.

10. Participated in *International Conference on Differential Geometry, Analysis and Fluid Mechanics and* Presented a paper entitled *On weak symmetries of Kenmotsu Manifolds with respect to quarter- symmetric metric connection,* held during 4-5 February, 2016 in the Dept. of Mathematics, Kuvempu University, Shimoga.

11. Participated in *National Conference on Geometry, Topology and Their Applications* and Presented a paper entitled *On* $\varphi - $ *Recurrent para-Kenmotsu Manifolds*, organized by Dept. of Mathematics, Karnatak University, Dharwad, during 03-04 August,2016.

12. Participated in National Conference on *Analysis and Its Application*s and Presented a paper entitled *On the Conharmonic Curvature tensor of LP- Sasakian Manifolds*, organized by Dept. of Mathematics, Karnatak University, Dharwad, during 15-16 March, 2017.

Seminars/Workshops/Events Organized:

- Organized Two days National level Webinar on "Advances in Mathematical Sciencces and its Applications in Engineering and Research (AMSAER)-2021" by Department of Mathematics, Bapuji Institute of Engineering & Technology, Davangere, Karnataka on 11th and 12th July 2021.

SUBJECTS TAUGHT

Differential Geometry, Complex Analysis, Ring Theory, Differential Equations, Engineering Mathematics-I, Engineering Mathematics-II, Engineering Mathematics-III, Engineering Mathematics-IV, Additional Mathematics-I , Additional Mathematics-II, Calculus and Linear Algebra, Advanced calculus and Numerical methods, Transform calculus, Fourier series and Numerical techniques, Complex Analysis, Probability and Statistical methods.

Residential Address

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