

# Dr. Kamalakshi K

## Curriculum Vitae

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### Education

- 2016-2024 **Ph.D in Mathematics** titled “A Study on Lie Algebra Bundles of Finite Type”, *Mangalore University*, Mangalore, under the supervision of Dr. R. Rajendra.
- 2013-2015 **M.Sc. Mathematics**, *Mangalore University*, Mangalore, (Percentage - 84.35%).
- 2010-2013 **B.Sc.[Physics, Chemistry, Mathematics]**, *Bhandarkars' Arts and Science College*, Kundapura, (Percentage - 92.98%).

### Experience

- February 2024–  
June 2024 **Assistant Professor**, *Moodlakatte Institute of Technology*, Kundapura.
- August 2016–  
December 2018 **Assistant Professor**, *P.G Center*, Poornaprajna College, Udupi.
- July 2015–  
June 2016 **Assistant Professor**, *P.G Department of Mathematics*, St Philomena College, Puttur.

### Computer skills

- OS WINDOWS-Vista/7/8/10
- Scientific  $\text{\LaTeX}$

### Paper Published/Accepted

- 2024 Lie Algebra Bundles Defined by Jordan Algebra Bundles of Finite Type, *Glob. Stoch. Anal.*, 11(3) (2024), 14-20. (Scopus Indexed) (**ISSN: 2248-9444, India**) ( with Elsayir H. A., R. Rajendra, P. Siva Kota Reddy and Josè Luis López-Bonilla)
- 2023 On Smooth Lie Algebra Bundles of Finite Type, *Glob. Stoch. Anal.*, 11(1) (2024), 75-79. (Scopus Indexed) (**ISSN: 2248-9444, India**) ( with Howida Adel AlFran, R. Rajendra and P. S. K. Reddy)
- 2023 On Malcev Algebra Bundles, *J. Appl. Math. Inform.*, 42(1) (2024), 207 -212. (Indexed in Scopus and Web of Science) (**ISSN: 2734-1194 (Print), ISSN: 2234-8417 (Online), South Korea**) (with Howida Adel AlFran, R. Rajendra and P. S. K. Reddy)
- 2023 Lie Algebra Bundles of Finite Type and Numerable Bundles, *South East Asian J. Math. Math. Sci.*, Vol. 19, No. 3 (2023). (Scopus Indexed) (**ISSN: 0972-7752, India**) (with R. Rajendra)
- 2023 On Cohomology of Lie Algebra Bundles of finite type, *Bol. Soc. Parana. Mat.* (3), accepted for publication. (Indexed in Scopus and Web of Science) (**ISSN: 0037-8712, e-ISSN: 2175-1188, Brazil**) (with R. Rajendra and P. S. K. Reddy)

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## Research Papers Presented

- 2023 Presented a Paper titled **On Lie Algebra Bundles of Finite Type** in the International Conference on Recent Research in Applied Sciences, held at Srinivas Institute of Technology, Valachil, Mangaluru during 26<sup>th</sup> and 27<sup>th</sup> September, 2023.
- 2023 Presented a Paper titled **Principal Lie Algebra Bundles of Finite Type Over a Smooth Manifold** in the International Conference on Recent Research in Applied Sciences, held at Srinivas Institute of Technology, Valachil, Mangaluru during 26<sup>th</sup> and 27<sup>th</sup> September, 2023.
- 2023 Presented a Paper titled **Numerable Bundles and Bundles of Finite Type** in a two-day symposium in honor of Professor Calyampudi Radhakrishna Rao, Applied Linear Algebra, Probability and Statistics, ALAPS 2023, held at Centre for Advanced Research in Applied mathematics and Statistics, MAHE Manipal during 24<sup>th</sup> and 25<sup>th</sup> September, 2023.

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## Refresher Courses / Summer Schools

- 2017 Participated in the **School on K-theory and its Applications** organized by the Indian Statistical Institute, Bengaluru during December 26, 2016- January 7, 2017

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## Workshops/Conferences/Seminars Attended

- 2018 Participated in National Symposium on **Recent Trends in Number Theory and its Applications** held at St Philomena College, Puttur on 2<sup>nd</sup> February 2018.
- 2017 Participated in the **Four Day Workshop on NET/ KSET/GATE and other Competitive Examinations in Mathematical Sciences** organized by the Department of Mathematics, Mangalore university during the period 10<sup>th</sup> March to 13<sup>th</sup> March, 2017.
- 2015 Participated in workshop on **Topological Dynamics** held at NITK, Surathkal from 10<sup>th</sup> December to 12<sup>th</sup> December, 2015.

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## Awards and Fellowships

- 2015 Secured **First Rank** in Mangalore University M.Sc.(Mathematics) Examination held in 2015.
- 2014 Received **Appreciation Award** from the Academy of General Education, Manipal in 2014.
- 2013 Secured **Eighth Rank** in Mangalore University B.Sc. Examination held in 2013.
- 2013 Received **Best Outgoing Student** award at the undergraduate level.