



Dr. Ranjitha Kumar

Curriculum Vitae

Personal Data

Full Name **Ranjitha Kumar**
Date of Birth **28-01-1986**
Gender **Male**
Marital Status **Single**
Father's Name **K. Jayaram Shetty**
Mother's Name **Sunitha J. Shetty**
Address **No.61, 5th Cross, 14th Main Sri Ram Nagar, Mahalakshmi Puram, Bangalore-560086**

Education

2010–2014 Doctor of Philosophy in Mathematics

University **Amrita Vishwa Vidyapeetham, Amrita School of Engineering, Coimbatore-641 112, INDIA.**
Title **Structure Theory and Representation Theory of Lie Algebra Bundles**
Course work done Lie algebras, Vector bundles, Theory of Manifolds, Matrix Lie groups, Representation theory, Fundamentals Quantum Mechanics.
Supervisors **Dr.G.Prema & Dr. B.S.Kiranagi**

2007–2009 Master of Science in Mathematics

University **University of Mysore, Manasagantori, Mysore-570006, INDIA.**
Class **Distinction**
Rank **First Rank with Gold Medal**

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additional information*

2004–2007 Bachelor of Science (PCM)

University **Bangalore University**, Bangalore-, 560086, INDIA.

Class Distinction

Rank Seventh Rank

Competitive Exams Cleared

2014 **K-SET**, from the University of Mysore, Mysore-570006, Karnataka, INDIA.

Research Interest

Algebra and Lie Theory

Research Current Interest

Lie algebra bundles and representation theory of Lie algebra bundles

Contact Information

current status Lecturer, Department of Mathematics (IIT Department), Jain College, Jayanagar 9th block, Bangalore-560069.

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Position Held

March, 2014–Present **Lecturer**, at DEPARTMENT OF MATHEMATICS, IIT Department, Jain College. Jayanagar, Bangalore-560069

Research Experience

2010-2011 JRF, DST Project entitled “Algebra Bundles (Alternative, Lie, Jordan)”, Department of studies in Mathematics, University of Mysore, Mysore-570006.

2011-2013 SRF, DST Project entitled “Algebra Bundles (Alternative, Lie, Jordan)”, Department of studies in Mathematics, University of Mysore, Mysore-570006.

2013-2014 Continued the research in Department of Mathematics, Amrita Vishwa Vidyapeetham, Amrita School of Engineering, Coimbatore.

2014-till date Continued the research in Department of Mathematics (IIT Department), Jain College, Jayanagar 9th block, Bangalore-560069.

Languages

Kannada **Mother-tongue**
English, Hindi **Intermediate**

Con conversationally fluent
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Interests

- Chess
- Snooker
- Cricket
- Cooking

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additional information

List of Publications

1. On the Radical Bundle of a Lie Algebra Bundle, *Proc.Jangjeon Math. Soc.* **15** 4 (2012), 447-453.
2. On Pullback Lie Algebra Bundles, *Adv.Studies Contemp. Math.* **22** 4 (2012), 521-524.
3. On Completely Semsimple Lie Algebra Bundles, *J. Algebra Appl.*, **14** 2 (2014), 1-11.
4. Lie Algebra Bundles of Finite Type, *Acta Universitatis Apulensis.*, **39** (2014), 151-160.
5. Whitehead Lemma's and its Applications for Lie Algebra Bundles (communicated).

Declaration

I hereby declare that all the details furnished above are true to the best of my knowledge and belief.

Sincerely yours,

Dr.Ranjitha Kumar