

## Detailed CV

Name : Dr. Rajendra R.  
Educational Qualification : M.Sc., M.Phil., Ph.D  
Designation : Assistant Professor



Address for Correspondence : Dept. of Mathematics, Mangalore University,  
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Phone : +91 98448 37475  
Research Areas : Algebra, Fibre bundles, Graph Theory

Professional Teaching Experience: 13 years

Research Guidance (M.Phil. /Ph.D.):

Completed students' list (with hyperlinks to their CV if available): Nil

Ongoing Registered Students' list:

1. Prasad H.M.
2. Kamalakshi K
3. Monika M.V
4. Kemparaju R

Research Projects (List)(if applicable)

Completed: 01

Minor Research Project: MRP(S)-052/13-14/KAMA006/UGCSRO dated 28 Mar 2014

| Title                           | Agency | Period          | Grant        |
|---------------------------------|--------|-----------------|--------------|
| Some Results on Algebra Bundles | UGC    | 1 year 6 months | Rs. 1,65,000 |

Ongoing : Nil

Professional Collaboration(if applicable):

International:

## National:

### Research Journal Publications (list):

#### International:

1. B.S. Kiranagi and R. Rajendra, Revisiting Hochschild cohomology for Algebra bundles, Journal of Algebra and its applications, Vol. 7, No. 6 (2008). 685-715. (ISSN: 0219-4988, World Scientific)
2. R. Rajendra and B.S. Kiranagi, Algebra bundles whose m-dimensional cohomology modules are zero, Advanced Studies in Contemporary Mathematics, 20(2010), No.3, pp.417-423 (ISSN: 1229-3067, South Korea)
3. R. Rajendra and B.S. Kiranagi and R.Kumar, On Pull back Lie algebra bundles, Adv. Studies Contemp. Math., 22(2012), No. 4, pp.521-524 (ISSN: 1229-3067, South Korea)
4. P. Siva Kota Reddy, P. S. Hemavathi, and R. Rajendra, Radial Signed Digraphs, Mathematica Aeterna, Vol. 4, No. 3 (2014), 191 – 196 (Online Edition: ISSN: 1314-3344)
5. R. Rajendra and P. Siva Kota Reddy, On general order prime graph of a finite group, Proc. Jangjeon Math. Soc., 17 (2014), No. 4, 641-644 (Scopus Indexed) (ISBN: 89-87809-15-3, ISSN:1598-7264, South Korea)
6. R. Rajendra, P. Siva Kota Reddy and V. M. Siddalingaswamy, On general order prime graph of a finite group-II, Adv. Appl. Discrete Math., 17(4) (2016), 437-444. (ISSN: 0974-1658, Allahabad) (Indexed in Web of Science)
7. P. Siva Kota Reddy, R. Rajendra and M. C. Geetha, Boundary n-Signed Graphs, Int. Journal of Math. Sci. & Engg. Appls., 10(2) (2016), 161-168. (ISSN: 0973-9424, Pune)
8. R. Rajendra, A.C. Chandrashekar and B.M. Chandrashekara, A note on energy of order prime graph of a finite group, International Journal of Scientific and Engineering Research, 7(5) (2016), 15-16. (ISSN: 2229-5518, India)
9. R. Rajendra, P. Siva Kota Reddy and V. M. Siddalingaswamy, On Some Signed Graphs of Finite Groups, South East Asian J. Math. Math. Sci., 14(3) (2018), 57-62. (ISSN: 0972-7752, India)
10. K. V. Madhusudhan and R. Rajendra, Wing Signed Graph of a Signed Graph, International Journal of Computational Engineering Research (IJCER), 08(9), (September 2018), 39-41. (ISSN (e): 2250 – 3005, India)
11. R. Rajendra, P. Siva Kota Reddy and Sashi Kanth Reddy Avula, Ring and Module Structures on Zn-Labeled Trees, International Journal of Engineering, Applied and Management Sciences Paradigms, 54(1) (2019), 192-193. (ISSN: 2320-6608, India)
12. R. Rajendra, P. Siva Kota Reddy, H.M. Gowrandamma and P. S. Hemavathi, A Note on Prime Graph of a Finite Ring, Proceedings of the Jangjeon Math. Soc., 22(3) (2019), 415-426. (Scopus Indexed) (ISBN: 89-87809-15-3, ISSN:1598-7264, South Korea)
13. R. Rajendra, P. Siva Kota Reddy and K. V. Madhusudhan, Set-Prime Graph of a Finite Group, Proceedings of the Jangjeon Math. Soc., 22(3) (2019), 455-462. (Scopus Indexed) (ISBN: 89-87809-15-3, ISSN:1598-7264, South Korea)

14. R. Rajendra, P. Siva Kota Reddy and K. V. Madhusudhan, Degree Equivalence Graph of a Graph, TWMS J. App. Eng. Math., 10(2) (2020), 411-414.(Indexed in Scopus and Web of Science) (ISSN: 2146-1147, e-ISSN: 2587-1013, Turkey)
15. R. Rajendra and P. Siva Kota Reddy, Tosha-Degree Equivalence Signed Graphs, Vladikavkaz Mathematical Journal, 22(2) (2020), 48-52. (Scopus Indexed)(ISSN: 1683-3412, EISSN: 1814-0807, Russia)
16. R. Rajendra, K. B. Mahesh and P. Siva Kota Reddy, Mahesh Inverse Tension Index for Graphs, Adv. Math., Sci. J., 9(12) (2020), 10163--10170. (Scopus Indexed)(ISSN: 1857-8365 (Printed Version), ISSN: 1857-8438 (electronic version), Skopje, Republic of North Macedonia)

#### National:

1. R. Rajendra, Sharada B, and B.S. Kiranagi, A Note on alternative algebra bundles, Journal of analysis and computation, Vol. 3, No. 1, (2007). 1-8. (ISSN: 0973-2861, India)
2. P.S.K. Reddy, M.S. Subramanya and R. Rajendra, Symmetric 3-sigraphs, Journal of Intelligent system Research, Vol. 1, No. 2, (2007). 155-159. (ISSN:0975-6205, India)
3. R. Rajendra and B.S. Kiranagi, On long exact sequence of cohomology modules of an algebra bundle, Bull. Pure Appl. Math., Vol. 3, No. 1 (2009). 15-23. (ISSN:0973-5933, India)

### Books / Book chapters / Translations published: **Book – 01**

1. K.B.Mahesh, M.Ravisha, A.L.Mamatha and R.Rajendra, College Mathematics, Volume 1, New United Publishers, Mangaluru, September 2020. ISBN: 978-93-89334-40-1

### Papers/ poster presentations in Conferences / Seminars / Symposia (list):

#### International:

1. The 19<sup>th</sup> International Conference of Jangjeon Mathematical Society (*Presented a Paper entitled "On the classification of Lie Algebra bundles"*), held at Department of Mathematics, Bangalore University, Bangalore, India during Feb 22-24, 2007.
2. The 22<sup>nd</sup> International Conference of Jangjeon Mathematical Society (*Presented a Paper entitled "Algebra bundles whose  $m$ -dimensional cohomology modules are zero"*), held at Adichunchanagiri Institute of Technology, Chikmagalur, India during Aug 13-15, 2009.
3. The International Conference on Discrete Mathematics 2016 (ICDM-2016) and Graph Theory Day-XII (*Presented a Paper entitled "A note on ring of  $Z_n$ -labeled trees"*), held at Siddaganga Institute of Technology, Tumkur, India during June 09-11, 2016.

#### National:

1. UGC Sponsored "National Seminar on Applications of Algebra and Number Theory" (*Presented a paper on "Some results on Hochschild cohomology of Algebra Bundles"*) held at National College, Tiruchirapalli-620001 during Dec 4-5, 2009.
2. DST Sponsored "National Conference on Applied and Engineering Mathematics" (*Presented a paper entitled "On Simple and Semisimple Alternative Algebra Bundles"*) held

- at RNS Institute of Technology, Bengaluru-560061 during July 28-30, 2011.
3. UGC Sponsored "National Conference on Linear Algebra and Applications" (*Presented a paper entitled "On the Fibre Bundles of Alternative Algebras"*) held at Milagres College, Kallianpur, Udupi-576 114 during Aug 4-5, 2011.
  4. DST, Karnataka sponsored "National Science Conference: NCOC 2011" (*Presented a paper entitled "Challenges of Mathematics of 21st Century"*) held at Filed Marshal K.M. Cariappa College, Madikeri-571201 on 17.12. 2011.
  5. UGC Sponsored one day National seminar on "Graphs in Network Theory" (*Presented a paper entitled "On General Order Prime Graph of A Finite Group"*) held at GFGC, Bettampady, Puttur Taluk, DK, on Feb 15, 2014.
  6. UGC Sponsored one day National seminar on "Energy of Graphs (NCEG-2016)" (*Presented a paper entitled "On Energy of Order Prime Graph of A Finite Group"*) held at B.N. Bahadur Institute of Management Sciences, Mysuru, during Mar 11-12, 2016.
  7. Govt. of Kerala sponsored "The National Conference on Discrete Mathematics and its Applications" (*Presented a paper entitled "On order prime graphs of subgroups of a finite Group"*) held at Kannur University, Mangattuparamba, Kannur, Kerala during Jan 28-29, 2019.
  8. UGC sponsored National Conference on "Analysis and Applications" (*Presented a paper entitled "Prime Graph of a Finite Ring"*) held at Karnatak University, Dharwad, during Mar 1-2, 2019.
  9. KSTA sponsored National Conference on "Mathematics and Applications" (*Presented a paper entitled "Some Results on General Order Prime Graph of A Finite "*) held at Karnatak University, Dharwad, during Nov 7-8, 2019.

Impact of publications in terms of (Non-science faculty can leave out this item, if unable to fill up):

h-index: 02

Citation index: 07

### Membership of Professional Bodies:

1. Life member of Ramanujan Mathematical Society(since 2010)
2. Life member of Indian Mathematical Society (since 2012)
3. Life member of Association for Improvement of Maths Education(Estd. 1978)Regd., Vijayavada (since 2008)
4. Life Member of The Indian Science Congress Association (since 2015)
5. Life member of Swadeshi Vijnana Andolana (since 2008)
6. Member of International Association of engineers(IAENG) (since 2010)