

CURRICULUM VITAE

RAVI SRINIVASA RAO

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Personal Details:

Gender : Male

Date of birth : 22nd September, 1963.

Place of birth : Repalle, Guntur (Dist.), Andhra Pradesh, India

Education :

1987-1992 : Ph.D. Acharya Nagarjuna University, Guntur, Andhra Pradesh, India.

Area of Specialization : Pure Mathematics (Algebra).

1986 : Qualified in U.G.C. J.R.F. (National Educational Test), University Grants Commission, New Delhi, India

1985-1986 : M.Sc.Ed. (Pure Mathematics), Regional Institute of Education (National Council of Educational Research and Training, New Delhi), University of Mysore, Karnataka, India).

1981-1984 : B.Sc. (Mathematics as Main Subject), J.K.C. College, Acharya Nagarjuna University, Andhra Pradesh, India.

Research Experience:

- Qualified in the U.G.C. - J.R.F. Examination (National Educational Test) held in August, 1986.
- Joined as U.G.C. - J.R.F. in the Department of Mathematics, Acharya Nagarjuna University, in 1987 under the supervision of Prof. D. Ramakotaiah.
- Submitted thesis entitled, 'Theory of Matrix Near-Rings and Near-Rings with ATM' to Acharya Nagarjuna University, for the award of Ph.D. in June, 1992.
- Ph.D. was awarded in December, 1993.

- University Grants Commission, New Delhi, sanctioned a Minor Research Project entitled 'A Study of Right Quasi-Regular Elements in a Right Near-Ring', in March, 2004.
- University Grants Commission, New Delhi, sanctioned a Major Research Project entitled 'Right Jacobson Radicals in Right Near-Rings', in January, 2011.

Working Experience: 20 years

- 11/2008-present: Professor, Department of Mathematics, R. V. R. & J. C. College of Engineering, Chowdavaram, Guntur, Andhra Pradesh, India.
- 7/2008-10/2008 Professor, Department of Mathematics, Srinivasa Ramanujan Centre, SASTRA University, Kumbakonam, Tamil Nadu, India.
- 1/1999-6/2008 Reader and Head, Department of Mathematics, P. G. Centre, P. B. Siddhartha College of Arts & Sciences, Vijayawada, Andhra Pradesh, India.
- 9/1995-9/1998: Reader and Head, P. G. Department of Mathematics, J. K. C. College, Guntur, Andhra Pradesh, India.
- 6/1992-8/1995: Lecturer, Department of Mathematics, P. G. Centre, P. B. Siddhartha College of Arts & Sciences, Vijayawada, Andhra Pradesh, India.
- 8/1988-5/1992: Taught for M. Sc. (Mathematics) students of the Department of Mathematics, Acharya Nagarjuna University, Nagarjuna Nagar, Guntur (Dist.), Andhra Pradesh, India.

Papers Taught: Abstract Algebra, Rings and Modules, Mathematical Analysis, Functional Analysis, Measure and Integration, Differential Equations, Discrete Mathematics and Operator Theory (All for M. Sc. Mathematics) and Commutative Algebra (For M. Phil. Mathematics).

Research Publications:

1. R. Srinivasa Rao, On N-groups and additive groups of near-rings with ATM, Indian J. Pure Appl. Math. 21 (1990), no. 4, 339-346; MR1050845 (91d:16078) Zbl0702.16025.
2. R. Srinivasa Rao, Matrix near-rings over semisimple near-rings, Indian J. Pure Appl. Math. 25 (1994), no. 7, 743-753; MR1290861 (95e:16049). Zbl 0831.16030.
3. R. Srinivasa Rao, On near-rings with matrix units, Quaestiones, Math. 17 (1994), no. 3, 321-332; MR1290671 (95d:16064). Zbl 0818.16034.
4. R. Srinivasa Rao, A characterization of the J_0 -radical in matrix near-rings with DCCL, Indian J. Pure Appl. Math. 33 (2002), no. 12, 1917-1920; MR1951167 Zbl1014.16044.
5. R. Srinivasa Rao, Wedderburn-Artin theorem analogue for near-rings, Southeast Asian Bull. Math 27 (2004), no. 5, 915-922; MR2175796 (2006e:16073). Zbl 1086.16030.
6. R. Srinivasa Rao and K. Siva Prasad, A radical for right near-rings: The right Jacobson radical of type-0, Int. J. Math. Math. Sci. 2006 (2006), no. 16, Article ID 68595, Pages 1-13, DOI 10.1155/IJMMS/2006/68595; MR2268501 (2007j:16080). Zbl 1133.16034.

7. R. Srinivasa Rao and K. Siva Prasad, Two more radicals for right near-rings: The right Jacobson radicals of type-1 and 2, *Kyungpook Math. J.* 46 (2006), no. 4, 603-613; MR2282662 (2007h:16049). [Zbl 1122.16037](#).
8. R. Srinivasa Rao and T. Sujatha, Brown-McCoy radicals for near-rings, *Soochow J. Math.* 33 (2007), no. 4, 787-801; MR2404603 (2009f:16078). [Zbl 1140.16021](#).
9. R. Srinivasa Rao and K. Siva Prasad, A radical for right near-rings: The right Jacobson radical of type-s, *Southeast Asian Bull. Math.* 32 (2008), no. 3, 509-519; MR2416166 (2009e:16083). [Zbl 1174.16012](#).
10. R. Srinivasa Rao, K. Siva Prasad and T. Srinivas, Kurosh-Amitsur right Jacobson radical of type-0 for right near-rings, *Int. J. Math. Math. Sci.* 2008 (2008), no. 1, Article ID 741609, Pages 1-6, DOI 10.1155/2008/741609; MR2392995 (2009c:16137). [Zbl 1153.16042](#).
11. R. Srinivasa Rao, K. Siva Prasad and T. Srinivas, Kurosh-Amitsur right Jacobson radicals of type-1 and 2 for right near-rings, *Result. Math.* 51 (2008), no. 3-4, 309-317, DOI 10.1007/s00025-007-0280-2; MR2400170 (2009b:16104). [Zbl 1146.16026](#).
12. R. Srinivasa Rao and K. Siva Prasad, A Kurosh-Amitsur left Jacobson radical for right near-rings, *Bull. Korean Math. Soc.*, 45 (2008), no. 3, 457-466; MR2442187 (2009f:16079). [Zbl 1158.16022](#).
13. R. Srinivasa Rao, K. Siva Prasad and T. Srinivas, Hereditary right Jacobson radical of type-0(e) for right near-rings, *Beitr. Algebra Geom.*, 50 (2009), no. 1, 11-23; MR2499778 (2011c:16121). [Zbl 1163.16039](#).
14. R. Srinivasa Rao and K. Siva Prasad, Right semisimple right near-rings, *Southeast Asian Bull. Math.*, 33 (2009), no. 6, 1189-1205; MR2578502 (2011e:16083). [Zbl1202.16038](#).
15. R. Srinivasa Rao, Cheruvu Krishnaveni and K. Siva Prasad, Special classes of right near-ring right modules, *Math. Pannon.*, 22 (2011), no. 1, 95-112; MR2847911 (2012f:16110). [Zbl 235.16039](#).
16. R. Srinivasa Rao and K. Siva Prasad, Hereditary right Jacobson radicals of type-1(e) and 2(e) for right near-rings, *An. Stiint. Univ. "Ovidius" Constanta, Ser. Mat.*, 21 (2013), no. 1, 153-166.
17. R. Srinivasa Rao and K. J. Lakshminarayana, Right Brown-McCoy radicals for right near-rings, *Bull. Calcutta Math. Soc.*, 104 (2012), no. 2, 113-124.
18. R. Srinivasa Rao and K. Siva Prasad, 'Special right Jacobson radicals for right near-rings', *Kyungpook Math. J.*, to appear.
19. R. Srinivasa Rao, Cheruvu Krishnaveni and K. J. Lakshmi Narayana, 'Special Jacobson radicals for near-rings', *Southeast Asian Bull. Math.*, to appear.
20. R. Srinivasa Rao, C. Susma and K. J. Lakshmi Narayana, 'Some Special classes of near-ring modules', *International Journal of Pure and Applied Mathematical Sciences*, to appear.

Books Published:

1. One of the authors of the book 'Rings and Modules' published by the Centre for Distance Education, Acharya Nagarjuna University, in July, 2004.
2. One of the authors of the book 'Measure and Integration' published by the Centre for Distance Education, Acharya Nagarjuna University, in September, 2004.

Research Guidance:

Acharya Nagarjuna University initiated the process of recognizing Research Supervisors from outside the University College in January, 2004 and the name of Dr. R. Srinivasa Rao appeared in the first list of five approved external research supervisors in Mathematics in April, 2004. At present four Research Scholars are working for Ph.D., and five Research Scholars are working for M.Phil.

1. A research scholar, K. Siva Prasad, was awarded the Ph.D. Degree in Mathematics for his thesis entitled 'Right Jacobson Radicals for Right Near-Rings' by Acharya Nagarjuna University, in February, 2008. This is the first Ph.D. degree awarded to a research scholar of the P. G. Centre, P. B. Siddhartha College, by Acharya Nagarjuna University. Moreover, this is the first Ph.D. degree awarded to a research scholar of an affiliated College, by Acharya Nagarjuna University.
2. A research scholar, T. Sujatha, was awarded the Degree of Master of Philosophy in Mathematics by Acharya Nagarjuna University for her dissertation entitled 'Brown-McCoy Radicals of Near-Rings' in September, 2006. This is the first M.Phil degree awarded to a research scholar of the P. G. Centre, P. B. Siddhartha College, by Acharya Nagarjuna University.

Invited Talks:

1. Delivered an invited talk on 'Matrix near-rings' in the 'National Seminar on Algebra and its Applications' organized by the Department of Mathematics, Acharya Nagarjuna University, during 5 - 6 January, 2006.
2. Delivered ' Prof. N.V. Subrahmanyam Endowment Lecture on Algebra' in the 'XV Congress of the Andhra Pradesh Society for Mathematical Sciences' organized by the Department of Mathematics, Kakatiya University, Warangal, during 11 - 13 August, 2006.

Research Projects:

1. A minor research project entitled, 'A study of right quasi-regular elements in a right near-rings' sanctioned by University Grants Commission, New Delhi, in April, 2004, was successfully completed.
2. A Major Research Project entitled, 'Right Jacobson Radicals for Right Near-Rings', sanctioned by University Grants Commission, New Delhi, in January, 2011, was successfully completed.

Conferences/ Seminars Attended and Papers Presented:

1. Participated in the 3rd Annual Conference of the Ramanujan Mathematical Society held at Manipal Institute of Technology, Manipal, during 27 - 29 May, 1988.
2. Presented a paper entitled, 'On N-groups and additive groups of Near-Rings with ATM ' in the National Seminar on Algebra held at Acharya Nagarjuna

University, Nagarjuna Nagar, during 6 - 8 Dec, 1989.

3. Presented a paper entitled, 'On Near-Rings with Matrix Units' in the 57th Annual Conference of the Indian Mathematical Society held at A.M.U., Aligarh, during 27 - 30 Dec, 1991.
4. Presented a paper entitled, 'A Characterization of the J_0 -radical in Matrix Near-Rings with DCCL' in the National Seminar on Algebra held at Acharya Nagarjuna University, Nagarjuna Nagar, during 18 -20 Dec, 1996.
5. Presented a paper entitled, 'Wedderburn-Artin theorem Analogue for Near-Rings ' in the 16th Annual Conference of the Ramanujan Mathematical Society held at the Fergusson College, Pune, during 3 - 5 June, 2001.
6. Presented a paper entitled, 'A characterization of the Brown-McCoy radical of near-rings' in the 71st Annual Conference of the Indian Mathematical Society held at I.I.T. Roorkee, Roorkee, during 27 - 30 December, 2005.
7. Presented a paper entitled, 'Brown-McCoy radicals for near-rings' in the (14th Ramanujan Symposium) International Conference on Non-Commutative Rings, Group Rings, Diagram Algebras and Applications, organized by the Ramanujan Institute for Advanced Study in Mathematics, University of Madras, Chennai, India and Center of Ring Theory and its Applications, Ohio University, Athens, USA, at the University of Madras, Chennai, during 18 - 22 December, 2006.
8. Presented a paper entitled, 'Right semisimple right near-rings' in the 73rd Annual Conference of the Indian Mathematical Society held at University of Pune, Pune, during 27 - 30 December, 2007.
9. Presented a paper entitled, 'Special right Jacobson radicals for right near-rings' in the 11th Inter-national Conference on the Theory of Radicals, Rings and Modules held at Sultan Qaboos University, Muscat, Oman, during 20 - 26 January, 2012.
10. Presented a paper entitled, 'Special Jacobson radicals for near-rings' in the 79th Annual Conference of the Indian Mathematical Society held at Rajagiri School of Engineering & Technology, Kochi, during 28 - 31 December, 2013.