

Name: **DR. RAM PARKASH SHARMA**

Address (Residential): **Anurag Bhawan, Lower Chakkar, Shimla-171005.**

Designation: **Professor (since 2009), Deptt. of Mathematics, HP University, Shimla-171005**
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Date of Birth: **10.07.1960**

Area of Specialization: **ALGEBRA**

Research experience: **33 years**

Academic Qualifications :-

Master's Degree (s) M.A.	H.P. University	Mathematics	1983	First class first (Gold Medal)
Research Degree(s) Other (Diplomas/Certificates etc.) M.Phil	Ramanujan Institute for Advanced study in Mathematics, University of Madras	Mathematics	1985	1st class
Ph.D	-----do-----	Mathematics	1990	

Other Present Academic Responsibilities :-

1. Associate Chief Editor : Journal of Combinatorics, Information and System Sciences.
2. Vice President : Forum for Interdisciplinary Mathematics

Administrative Experience :-

1. Deputy Director, UGC Academic Staff College H.P. University for one and half years.
2. Chairman, Department Mathematic H.P. University for two years (2010-2012).

LIST OF STUDENTS WHO COMPLETED Ph.D.

Sr.No.	Candidate	Title	Year
1.	Samriti Sharma	Fuzzy Ideals of Rings with Group Action on them and Fuzzy Ideals of Group Graded Rings	1998
2.	Arvind Kumar	Characterization of G-Prime Fuzzy ideals in Rings	2002
3.	Ranju Banota	Fuzzy Ideals of group graded rings and their smash products	2002
4.	Tilak Raj Sharma	Some problems on group action on semi-Ring	2007
5.	Vikram Singh Kapil	Study of Brauer and signed Brauer algebras	2008
6.	Rosy Joseph	Some Problems on Group Graded Semirings and their Smash Products	2008
7.	Madhu Bala Dadhwal	On Semirings with Action, Co-action and some Applications	2010
8	Anu	Actions and Partial Actions of Groups on Algebras and Semialgebras	2014
9	Nirmal Singh	Quasi Partial Actions on Algebras and Semialgebras	2015
10	Rajni Parmar	Distinguishing Labelling of Partial Actions, Symmetric Group and Wreath Product Actions on Sets and Graphs	2016
11	Meenakshi	Partial Actions of Groups on Sets and Semialgebras	Submitted (Feb. 2018)
12	Richa Sharma	A Study of Radicals, Q-Ideals and Primary & Secondary Decomposition of Ideals & Semimodules in Semirings	About to Submit

Number of Students who Completed M. Phil =21

I. FELLOWSHIPS AND AWARDS

1. Merit Fellowship for M.A/M.Sc. IInd Year	Himachal Pradesh University, Shimla	1982-1983
2. Gold Medal M.A/M.Sc. Maths.	Himachal Pradesh University, Shimla	1981-1983
3. U.G.C. (JRF)	Ramanujan Institute for Advanced Study	19-10-1984 to

	in Mathematics (University of Madras)	18-10-1989
4. Visiting Fellowship	Punjab University, Chandigarh	(25-06-1990 to 31-08-1991).
5. Post Doctoral Fellowship	NBHM (DAE)	1-03-92 to 27-09-92
6. SERC Visiting Fellowship (Worked with Prof. Parvathi)	D.S.T (Govt. of India) . To do research on Group Action on Fuzzy Ideals at Ramanujan Institute for Advanced study in Mathematics, University of Madras	4-Jan to 24-Feb, 2000.
7. Commonwealth Fellowship (Worked with Prof. Iain Gordon)	Commonwealth Scholarships Commission (United Kingdom) to do research at University of Glasgow (UK) on Brauer Algebras	1-10-2001 to 30-9-2002
8. Hungarian Scholarship(Type E) (Worked with Prof. Gabriella Bohm)	Hungarian Scholarship Board to do Research at KFKI Research Institute for Particle and Nuclear Physics, Budapest, Hungary	From 6-06-2011 to 30-06-2011
9. Indian National Science Academy Fellowship (Worked with Prof. S.K.Khanduja)	IISER Mohali	From 9-12-2013 to 23-01-2014

II. Research Projects:

Title of the Project	Name of the Funding Agency	Duration	Designation
SAP (DRS level I)	UGC	2009-2014	Deputy Coordinator
SAP (DRS level II)	UGC	2014-2019	Coordinator

III. List of Publications:

1.	M. Parvathi and R.P. Sharma, Prime Kernel Functors of group graded rings and their Smash Products, Comm. in Algebra (USA), 17(7) (1989), 1533-1562.
2.	M. Parvathi and R.P. Sharma, A note on algebraic analogs of the cones spectrum, Comm. in Algebra (USA), 19(4) (1991), 1249-1270.
3.	R.P. Sharma and Samriti Sharma, Group Action on Fuzzy Ideals, Comm. in Algebra (USA), 26(12) (1998) 4207-4220.
4.	R.P. Sharma and Samriti Sharma, Graded Fuzzy Ideals in Graded Rings, Ganita, Vol. 49, No. 1 (1998) 29-37.
5.	R.P. Sharma and Samriti Sharma, On the Range of A G-Prime Fuzzy Ideals, Comm. in Algebra (USA), 27(6) (1999) 2914-2916.
6.	R.P. Sharma, J.R. Gupta and Arvind, Characterization of G-Prime Fuzzy ideals in a ring - An alternate approach, Comm. in Algebra (USA), 28(10) (2000) 1981-1987.
7.	R.P. Sharma and Samriti Sharma, Weakly Graded-Prime and Weakly G-Prime Fuzzy ideals, EJM (2000) 1-9.
8.	R.P. Sharma and Samriti Sharma, On the range of a Graded-Prime Fuzzy ideal,

	Ganita, 51, No. I (2000) 69-74.
9.	R.P. Sharma, Basic Concepts of Ring Theory (Expository Article), Proceedings of the Institutional and Instructional Program on Quantum Groups and Their Applications, University of Madras, Chennai, 01-02 (2001) 39-57.
10.	R.P. Sharma, Torsion theoretic Connes subgroup, Ganita, Vol. 52, No2, (2001) 127-135.
11.	R.P. Sharma and Ranju Banota, Fuzzy Ideals of Group Graded Rings and their Smash Products, Comm. in algebra (USA), 30(6) (2002)..
12.	R.P. Sharma, On the Semi simplicity of Brauer Algebras, University of Glasgow, Department of Mathematics, Preprint Series, Paper No. 2002/45, September 2002.
13.	R.P. Sharma, J.R. Gupta and Arvind, On the Characterization of Completely Prime and Completely G-Prime Fuzzy Ideals, Chapter 7, A Book Edited by R.C. Sharma, Published by Allied Publishers Pvt. Ltd. New Delhi (2003) 87-100.
14.	R.P. Sharma, J.R. Gupta and Ranju Banota, On the Characterization of Completely Graded Prime Fuzzy Ideals. Chapter 8, A Book Edited by R.C. Sharma, Published by Allied Publishers Pvt. Ltd. New Delhi (2003) 101-109.
15.	R.P. Sharma and M. Parvathi, Prime Kernel Functors Ideals of Group Graded Rings and their Identity component, Vietnam J. Maths (Springer verlag), 32:1 (2004), 65-74.
16.	R.P. Sharma, J.R. Gupta and Ranju Banota, Primary Ideals and Fuzzy Ideals in a Ring, Southeast Asian Bull. Math., No. 30 (2006),731-744.
17.	R.P. Sharma and Tilak Raj Sharma, G-Prime Ideals in Semirings and their skew group semirings, Comm. Algebra, 34 (2006): 4459-4465.
18.	R. P. Sharma and Rosy Joseph, Prime ideals of Group Graded Semirings and their Smash Products, Vietnam Journal of Mathematics, Springer Verlag , 36:4(2008) 415-426.
19.	R.P. Sharma and Tilak Raj Sharma, Group action on Fuzzy ideals of Semirings, Journal of Combinatorics, Information and System Sciences, Vol. 33 No's 1-2 (2008) 129-140.
20.	R.P. Sharma, J.R. Gupta and Tilak Raj Sharma, Fuzzy Subsemigroups and Fuzzy ideals of Semirings, Journal of Combinatorics, Information and System Sciences, Vol. 33 No's 1-2 (2008)45-59.
21.	R. P. Sharma and Vikram Singh Kapil, Generic irreducibles of the Brauer Algebras, Contemporary Mathematics (American Mathematics Society USA), Vol.456 (2008), 189 --204.
22.	R.P.Sharma, Arvind Sharma and Madhu, Fuzzy Systems of \square in group decision making, WASET 2009, Singapore, vol.56, ISSN no.2070-3724(2009), pp.168-175.
23.	R. P. Sharma and Vikram Singh Kapil, Prime ideals of a ring R with Brauer diagrams acting on it, Chapter # 15 , Recent Developments in Continuum Machinics and Algebra 2010, Book Edited by R.P. Sharma and J.S. Dhiman (Regal Publications, New Delhi) 151-162.
24.	R. P. Sharma , Madhu and Rosy Joseph, Semimodules over Graded Semialgebras, proceeding of " The First International Conference on Mathematics and Statistics, sponsored by American Mathematical Society, AUS-ICMS' 10;Paper#100454 pp1-6.
25.	R. P. Sharma and Rosy Joseph, Fuzzy ideals of Group Graded Semirings, Journal

	of Combinatorics, Information and System Sciences, 35(2010) 307-327.
26.	R. P. Sharma and Madhu, Prime Correspondence between Semirings R and R^*G , Journal of Combinatorics, Information and System Sciences, 35(2010) 481-499.
27.	R.P.Sharma and Madhu, On Strong Radical Theory of Semirings, Chapter 12 , Recent Advances in Continuum Mechanics and Algebra , Book Edited by R.P. Sharma and J.S. Dhiman (Regal Publications, New Delhi 2010) 121-131.
28.	R.P.Sharma and Madhu, Strong Lower Radicals for semirings, Chapter 13 , Recent Advances in Continuum Mechanics and Algebra , Book Edited by R.P. Sharma and J.S. Dhiman (Regal Publications, New Delhi 2010) 132-142.
29.	R. P. Sharma and Madhu, Connes Subgroups and Graded Semirings, VJM (Springer Verlag) 38:3 (2010) 287-298.
30.	R.P. Sharma, Tilak Raj Sharma and Rosy Joseph, Primary Ideals in Non-commutative Semirings, Southeast Asian Bulletin of Mathematics (2011), 35:345-360
31.	R. P. Sharma and Vikram Singh Kapil, Irreducible \vec{S}_n - modules and a cellular structure of the signed Brauer Algebras, Southeast Asian Bull Math., (2011), 35: 497-522.
32.	R. P. Sharma and Nirmal Singh, Euclidean semirings and subtractive Noetherian semimodules, Ganita, Vol. 62, 2011, 15-25.
33.	R. P. Sharma, Anu and Nirmal Singh, Partial Group Actions on Semialgebras, Asian-European Journal of Mathematics Volume 05 , No. 4 (2012) 1250060 [20 pages] (World Scientific Publishing Company) DOI:10.1142/S179355711250060X.
34.	Ram Parkash Sharma and Anu, Partial Group actions on Algebras, International Journal of Algebra, Vol. 7, 2013, no. 11, 517-526.
35.	R. P. Sharma and Anu, Going up and Going down Relations for Partial Actions on Algebras, Research Journal of Science and Technology, 5(1)(2013), 144-147.
36.	Shivani Sharma and R. P. Sharma, Basic concepts of Linear Algebraic Groups and Lie Algebra (Expository Article), Research Journal of Science and Technology, 5(1)(2013), 20-24.
37.	Ram Parkash Sharma and Anu, Semialgebras and Their Algebras of Differences with Partial Group Actions on them, Asian-European Journal of Mathematics Volume 06 , No. 3 (2013) 1350038 [20 pages] (World Scientific Publishing Company) DOI:10.1142/S1793557113500381.
38.	R. P. Sharma, Anu and Rajni Parmar, Partial Skew Group Semirings, Journal of Combinatorics, Information and System Sciences, Vol. 38 No's 1-4 (2013)219-229.
39.	Rosy Joseph and Ram Parkash Sharma, Prime Correspondence Between a Graded Semiring R and its Identity Component R_1 , Journal of Combinatorics, Information & System Sciences: Vol. 39 (1-4) 2014.
40.	Tilak Raj Sharma and Ram Parkash Sharma, Group Action on Primary Ideals of a Semiring, Himachal Pradesh University Journal 2015
41.	Ram Parkash Sharma, Rajni Parmar and Meenakshi, Distinguishing Labelling of Partial Actions, International Journal of Algebra, Vol.9, 2015, no.8, 371-377.
42.	Ram Parkash Sharma and Anu, Duality for Group Actions on Semialgebras, Southeast Asian Bull. Math., Vol. 39 (2015) 567-581.

43.	Ram Parkash Sharma and Madhu, On Strong Cones Subgroups, Himachal Pradesh University Journal (Special issue on Continuum Mechanics and Algebra), Vol 03, no. 02, (2015), 13-24.
44.	Ram Parkash Sharma, Madhu and Richa Sharma, Relationships Between a Semiring R and its Quotient Semiring, Journal of Combinatorics, Information & System Sciences: Vol. 41, no. 4, (2016), 227-234.
45.	Ram Parkash Sharma and Meenakshi, Morita Equivalence Between Partial Actions and Global Actions for Semialgebras, Journal of Combinatorics, Information & System Sciences, Vol. 41, no. 1-3, (2016), 65-77.
46.	R. P. Sharma and Nirmal Singh, Quasi Partial Actions on Algebras, Southeast Asian Bull. Math., Vol. 42, (2018) 117-129.
47.	Ram Parkash Sharma and Meenakshi, Construction of Global Actions for Partial Actions, to appear in Proceedings of ICAA 2016 to be published by De Gruyter.
48.	Ram Parkash Sharma and Meenakshi, and Natakshi, Disjoint Union Metric and Topological spaces, South East Asian Bulletin of Mathematics (submitted)
49.	Ram Parkash Sharma and Meenakshi Partial Group Representations on Semi Algebras Asian European Journal of Mathematics (submitted).
50.	Ram Parkash Sharma, Richa Sharma, S. Kar and Madhu, On the Primary Decomposition of k-Ideals in Semirings, Osaka Journal of Mathematics (submitted).
51.	Ram Parkash Sharma, Madhu and Richa Sharma, On Radicals of Semirings Asian European Journal of Mathematics (submitted).
52.	R. P. Sharma and Rajni Parmar, Subgroups of Symmetric Groups Determined Using Signed Brauer Diagrams, Journal of Algebra and its Applications (Accepted).

IV. Seminars, Conferences, Symposia Workshops etc. Attended/Presented papers/Delivered Talks

Sr. No.	Name of the Seminar/Conference/ Symposia Workshop, etc.	Name of the Sponsoring Agency	Place and Date
1.	52 nd Annual Conference of Indian Mathematical Society	UGC	Deptt. of Mathematics, University of Rajasthan, Jaipur. Dec. 27 th to Dec. 29 th 1986 .
2.	Workshop on Algebra III	U.G.C	Department of Mathematics, Punjab University, Chandigarh. March 2-14, 1987.
3.	53 nd Annual Conference of Indian Mathematical Society	UGC	Deptt. of Mathematics and Statistics, University of Gorakhpur, Dec. 30 th 1987 to Jan. 2 nd 1988.
4.	The Seventh Ramanujan Symposium on Potential Theory and Function Theory.	DST	Ramanujan Institute for Advanced Study in Mathematics (University of

			Madras). 19 th Jan. to 21 st Jan. 2000 .
5.	National Conference on Mathematical Analysis and Applications	H.P.U	Deptt. Of Mathematics, H.P University, Shimla from 7-9 Nov. 2000.
6.	Annual Conference of British Mathematical society	Common wealth commission (UK)	Warwick University, England 9, 10 April, 2002.
7.	National Conference of Industrial Mathematics and Engineering Computation	Institute of Engineering And Technology , Bhaddal	Institute of Engineering And Technology, Bhaddal, Punjab. Held on 28 th -29 th March 2003.
8.	International Conference on Non-Commutative Rings, Group Rings, Diagram Algebras and Applications	UGC/ NBHM	Ramanujan Institute for advanced Study in Mathematics and Ohio University, Athens, USA from Dec. 18-22, 2006
9.	Symposium in Mathematical Sciences (In the memory Professor V.C Dumir)	Punjab University	Department of Mathematics Punjab University Chandigarh . October 27 & 28, 2006.
10.	International Conference on Computational, Mathematical and Statistical Methods.	Indian Institute of Technology (IIT), Madras	Jan. 06-08, 2007
11.	18 th International Conference of Interdisciplinary Mathematics on Interdisciplinary Mathematical & Statistical Techniques (IMST 2009 – FIM XVIII)	SAP (UGC)	JUIT, Wagnaghat, HP, August 2-4, 2009
12.	National Seminar on Continuum Mechanics and Algebra.	UGC	Deptt. Of Mathematics, HP University, 7-8 August, 2009.
13.	ICIST 2009 - International Conference on Intelligent Systems and Technologies.	UGC	WASET (World Academy of Science, Engineering and Technology), Singapore, August 25-28, 2009
14.	International Conference on Algebra and it's applications, Aligarh, 2010.	SAP (UGC)	Deptt. Of Mathematics, Aligarh Muslim University, Aligarh, Feb. 20-22, 2010.
15.	The First International Conference on Mathematics and Statistics (AUS – ICMS ' 10), Sharjah, 2010.	CSIR and UGC-SAP	The Department of Mathematics & Statistics,

			College of Arts and Sciences American University of Sharjah, Co-Sponsored by The American Mathematical Society –AMS, March 18-21, 2010
16.	<i>The International Congress of Mathematicians 2010, Hyderabad.</i>	UGC-SAP	Hyderabad, August 19-27, 2010)
17.	The International Conference on Non- Commutative Rings & Combinatorial Representation Theory, Pondicherry, 2010.	University of Pondicherr y	Ramanujan School of Mathematics and Computer Sciences, University of Pondicherry, Sept. 2-3,2010)
18.	The National Conference in Algebra	UGC-SAP	H. P. University, Shimla, w.e.f. 27-28 March, 2012
19.	Twenty first International Conference of FIM on Interdisciplinary Mathematics, Statistics and Computational Techniques IMSCT 2012 – FIM XXI	UGC	Panjab University, Chandigarh, 160014, India December 15 -17, 2012
20.	National Conference On Recent Trends in Discrete And Fuzzy Mathematics	UGC	D.A.V. College Jalandhar, Punjab, Feb 2-4, 2013
21.	National Conference On Advance In Mathematics and Its Applications(AMS- 2013)	DST, NBHM, DRDO, CSIR	NIT, Hamirpur,(H.P.), June 25-27, 2013
22.	Faculty development program (TEQIP-II) Entitled “ Aspects and Applications of Research Methodology in Science and Engineering (AARMSE)”	National Short Term Training Programme (STTP)	UIET,Panjab University, Chandigarh, 160014, India, July 8-13, 2013
23.	Invited Lecture on the 70 th Birthday of Prof. H.J.S. Gill	PU	Panjab University, Chandigarh, 160014, India , September 26-27, 2013
24.	National Seminar on Number Theory and Discrete Mathematics	DST	Panjab University, Chandigarh, 160014, India November 12-13, 2013
25.	International Conference on Advances in Pure and Applied Mathematics (ICAPAM- 2014)	NBHM, Mumbai and DRDO, New Delhi	Department of Mathematics JLN Government College, Haripur (Manali), Himachal Pradesh, March 7-9, 2014
26.	International Conference in algebra and its applications (ICAA – 2014)	UGC	Department of Mathematics, Aligarh Muslim University, Aligarh, U.P, Dec 15-17, 2014

27	24 th International Conference Forum for Interdisciplinary Mathematics	HPU	University of Barcelona, Spain, Nov. 18-20. 2015
28	Invited to deliver lectures	UGC-SAP	Department of Mathematics, Goa University, Goa during 10-20 February, 2016.
29	National Conference on advances in Mathematical Sciences	UGC	Department of Mathematics, NACBM Government College, Hamirpur, H.P. during 21-22 December, 2016.
30	National Seminar on "Latest Trends in Algebra & Analysis" on 19th March 2016 sponsored by UG	UGC	Guru Nanak Khalsa College Karnal
31	International Conference on Algebra and its Applications.	UGC	Department of Mathematics, Aligarh Muslim University Aligarh, India during 12-14, November, 2016.
32	International Conference on Recent Advances in Theoretical & Computational PDEs with Applications.	UGC	UIET, Panjab University, Chandigarh, during 05-09 December, 2016
33	International Conference on "Mathematical Sciences Interface Humanity" (ICMSIH-2016)	UGC	Department of Mathematics, Government College, Barsar (Hamirpur), Himachal Pradesh-174 305 during October 7-8, 2016.
34	Invited to deliver lectures in 61st Refresher Course in Mathematical Science Courses for the College and University teachers of diverse disciplines (22-06-2017 to 12-07-2017).	UGC	Punjabi University, Patiala Lectures on 8-07-2017
35	Invited to deliver Extension Lectures.	UGC-SAP and Mohan Lal Sukharia University	Department of and Statistics, University College of Science, Mohan Lal Sukharia University, Udaipur during 17-20 August, 2017.
36	Recent Trends & Innovations in Pure & Applied Mathematics.	UGC	D.A.V. College, Jalandhar during 23-24 Feb, 2018

Conferences/Seminars/workshop Organized

1. Organized a Symposia in 18th International Conference of Interdisciplinary Mathematical & Statistical Techniques (IMST 2009 – FIM XVIII) held at JUIT, Wagnaghat, HP, August 2-4, 2009.
2. Member Organizing committee, the National Seminar on Continuum Mechanics and Algebra, held at H. P. University, Shimla, w.e.f. 7-8 August, 2009.

3. Member Organizing committee, the Workshop on Symbolic Computation and Use of Mathematica in Continuum Mechanics and Algebra, held at H. P. University, w.e.f. 15-20 March, 2010(as organizing Secretary).
4. Organized the National Seminar on Algebra and its Applications held at H. P. University, Shimla, w.e.f. 26-27 March, 2011(as Convener).
5. Member Organizing committee, the National Seminar on Recent Trends on Continuum Mechanics, held at H. P. University, Shimla, w.e.f. 28-29 March, 2011.
6. Convener Organizing committee, the National Conference in Algebra, held at H. P. University, Shimla, w.e.f. 27-28 March, 2012.
7. Coordinator, National Seminar on New Dimensions in Mechanics and Allied Fields, held at H. P. University, Shimla, w.e.f. 27-28 November, 2015.
8. Coordinator, National Seminar on Algebra and Allied Fields, held at H. P. University, Shimla, w.e.f. 24-25 March, 2017.
9. Coordinator, International Conference on Algebra and Continuum Mechanics, to be held at H. P. University, Shimla, w.e.f. 23-25 November, 2018.