Name:	**DR. RAM PARKASH SHARMA**
Address (Residential):	**Anurag Bhawan, Lower Chakkar, Shimla-171005**.
Designation:	**Professor (since 2009), Deptt. of Mathematics, HP University, Shimla-171005** **Summer Hill, Shimla – 171005**
Mobile No.	+919418497090
E-mail:	rp.math.hpu@gmail.com , rp_math_hpu@yahoo.com
Date of Birth:	**10.07.1960**
Area of Specialization:	**ALGEBRA**
Research experience**:**	**30 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

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	Submitted(2015)

Number of Students who Completed M.Phil =20

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 in Mathematics (University of Madras)	19-10-1984 to 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. <u>Research Projects:</u>

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. <u>List of Publications:</u>

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 $\overrightarrow{S_n}$ - 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.	Ram Parkash Sharma and Anu, Duality for Group Actions on Semialgebras, Southeast Asian Bulletin of Mathematics (2015) 39: 567–581.
39.	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.
40.	Rosy Joseph and Ram Parkash Sharma, Prime Correspondence Between a Graded Semiring R and its Identity Component $R1$ Journal of Combinatorics, Information & System Sciences: Vol. 39 (1-4) 2014.
41.	GROUP ACTION ON PRIMARY IDEALS OF A SEMIRING, Tilak Raj Sharma and Ram Parkash Sharma, Himachal Pradesh University Journal 2015
42.	R. P. Sharma and Nirmal Singh, Quasi Partial Actions on Algebras, to appear in Southeast Asian Bulletin of Mathematics (December 2016).
43.	Ram Parkash Sharma, Rajni Parmar and Meenakshi, Distinguishing Labelling of Partial Actions, International Journal of Algebra,Vol.9,2015,no.8, 371-377.

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.	52nd Annual Conference of Indian Mathematical Society	UGC	Deptt. of Mathematics, University of Rajasthan, Jaipur. Dec. 27th to Dec. 29th 1986 .
2.	Workshop on Algebra III	U.G.C	Department of Mathematics, Punjab University, Chandigarh. March 2-14, 1987.
3.	53nd Annual Conference of Indian Mathematical Society	UGC	Deptt. of Mathematics and Statistics, University of Gorakhapur, Dec. 30th 1987 to Jan. 2nd 1988.
4.	The Seventh Ramanujan Symposium on Potential Theory and Function Theory.	DST	Ramanujan Institute for Advanced Study in Mathematics (University of Madras). 19th Jan. to 21st 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 28th-29th 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.	18th International Conference of Interdisciplinary Mathematics on Interdisciplinary Mathematical & Statistical Techniques (IMST 2009 – FIM XVIII)	SAP (UGC)	JUIT, Waknaghat, 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.	*The International* Congress of Mathematicians 2010, Hyderabad.	UGC-SAP	Hyderabad, August 19-27, 2010)
17.	The International Conference on Non-Commutative Rings & Combinatorial Representation Theory, Pondicherry, 2010.	University of Pondicherry	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	DST,	NIT, Hamirpur,(H.P.), June

	Mathematics and Its Applications(AMS-2013)	NBHM, DRDO, CSIR	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.			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 – 2015)	UGC	Department of Mathematics, Aligarh Muslim University, Aligarh, U.P, Dec 15-17, 2014
27	24th International Conference Forum for Interdisciplinary Mathematics	HPU	University of Barcelona, Spain, Nov. 18-20. 2015

Conferences/Seminars/workshop Organized

1. Organized a Symposia in 18th International Conference of Interdisciplinary Mathematical & Statistical Techniques (IMST 2009 – FIM XVIII) at JUIT, Waknaghat, HP, August 2-4, 2009

2. Member Organizing committee, the National Seminar on Continuum Mechanics and Algebra 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 at H. P. University, w.e.f. 15- 20 March, 2010(as organizing Secretary).

4. Organized the National Seminar on Algebra and its Applications 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, at H. P. University, Shimla, w.e.f. 28-29 March, 2011.

6. Convener Organizing committee, the National Conference in Algebra, at H. P. University, Shimla, w.e.f. 27-28 March, 2012.