

Faculty of Management





School of Business

ADJUNCT PROFESSORS

1. Prof. Abhinandan K Jain, Adjunct Professor, IIM Ahmedabad
2. Prof. Samir Ranjan Chatterjee Curtin Business School, Curtin University, Perth Australia

FACULTY PROFILE

S. No.	Name of the faculty member	Designation	Qualification	Specialization
1	Prof. (Dr.) D. Mukhopadhyay	Professor	LL. B. Ph. D., D. Litt.,	Finance, Accounting & General Management
2	Dr. Supran K Sharma	Associate Professor	Ph. D.	Management Sciences, Project Management, Research Methods, Entrepreneurship Management
3	Dr. Sunil Giri (On Extraordinary Leave)	Assistant Professor	Ph. D.	Supply Chain Management, Marketing
4	Dr. Jyoti Sharma	Associate Professor	Ph. D.	HRM & OB
5	Dr. Sushil Kr Mehta	Assistant Professor	Ph. D.	Security Analysis and Portfolio Management, Microfinance
6	Dr. Saurabh	Assistant Professor	Ph. D.	Marketing and Strategic Management
7	Dr. Hari Govind Mishra	Assistant Professor	Ph. D.	Marketing
8	Dr. Ashutosh Vashishtha	Associate Professor	Ph. D.	Finance
9	Dr. Sanjay Kr. Mishra	Assistant Professor	Ph. D.	Finance
10	Dr. Arti Devi	Assistant Professor	Ph. D.	Human Resource Management
11	Dr. Rashi Taggar	Assistant Professor	Ph. D.	Consumer Psychology, Marketing & Supply Chain Management
12	Ms. Syeda Shazia Bukhari	Assistant Professor	MBA Pursuing Ph. D.	Marketing and Human Resource Management
13	Dr. Roop Lal Sharma	Assistant Professor	Ph. D.	Banking
14	Dr. Deepak Jain	Assistant Professor	Ph. D.	Marketing Management, Services Marketing, Retail Marketing

PROGRAMMES OFFERED & ENROLLMENT:

MBA
35

DETAILS OF B.TECH. STUDENTS:

Batch	Admitted Students		
	Male	Female	Total
2014 Entry			
	17	18	35

DETAILS OF RESEARCH SCHOLARS:

Year 2014-15	Ph.D.		
	Male	Female	Total
Admitted 2014-15	2	3	5
Awarded 2014-15	1	1	2
Total presently under supervision	16	12	28

DEGREE AWARDEES:

MBA	Ph.D.
49	02

Names of Ph.D. Degree Awardees: 1. Dr. Amrinder Singh
2. Dr. Rashi Tagger

NEW COLLABORATIVE RESEARCH PROGRAMMES UNDERTAKEN: NO**RESEARCH PUBLICATIONS**

- Magotra, Irbha; Sharma, Shravani and Sharma, Jyoti (2015), Developing HR As Core Competency: An Approach for Gaining Competitive Advantage, Pacific Business Review International, Volume 7, Issue 12, pp. 101-7
- Singh, Abhilasha & Sharma, Jyoti (2015), Strategies for Talent Management: A Study of Select Organizations in the UAE, International Journal of Organization Analysis, Vol. 23 (3), pp.337-47 (Emerald Group Publishing).
- Sharma, R.L. (2014), Tertiary sector : An engine of social economic development International Journal of Multidisciplinary Research & Development ISSN : 2349-4182, Vol.1, issue 6, Nov. 2014.
- Sharma, R.L.(2015), "Endogenous Business Environment In India" International Journal of Business Administration and Research Review ISSN :2347-856X, Vol. 1, Issue 10, April –June 2015 .Page 220-25.
- Das, AA & Mehta, SK (2014), "Assessment of the Role of Financial Institution in Tourism Development of Kashmir :A Field Study from demand side of markets ," Journal of Kashmir for Tourism & Catering Technology, Vol.1, no2, ISSN No: 2348-1986

- Sharma, Suparn and Sehgal, Shallu (2015), "Productivity, Innovations and Profitability of Manufacturing Industries in India: A Regional Study of Haryana State", *International Journal of Business Excellence*, USA, Vol8(6).pp.700-723.
- Magotra, I., Sharma, J. and Sharma, Suparn (2015), "Technology adoption propensity of the banking customers in India: An insight", *International Journal of Management, Accounting and Economics*, Vol. 2, No. 2, pp. 111-124. (Indexed in RICeST, EBSCO HOST, ULRICHSWEB, J-Gate, Cite Factor, journal Index, SIS)(ISSN: 2383-2126).
- Magotra, I., Sharma, J. and Sharma, Suparn (2015), "An empirical assessment of usage of SSTs among customers in India", *Effective Management*, Vol. 31, No. 2, pp. 39-49. (Referred)
- Sharma, Suparn and Jyoti (2014), "What Determines Intensity of Technology Orientation? A Study of Manufacturing organisations with firm-level data', *Decision*, IIM Kolkatta, Vol. 41(4).(PsycINFO, Google Scholar, EBSCO, ProQuest, CSA Environmental Sciences, OCLC).
- Sharma, Suparn and Shravani (2014), "Measurement and Elucidation of Resource Competence: An Economic Analysis of Selected States of India" *The Asian Economic Review*, Vol.56 (4), December, pp.19- 41.
- Sharma, Suparn and D. Raina (2014), "Efficiency and Productivity Analysis of Indian Banking Industry using Hicks-Moorsteen Approach" *International Journal of Productivity and Performance Management* (Emerald Publication), Vol.63, No.1, pp. 57 – 84.
- Chahal, Hardeep; Mishra K, Sanjay, Raina, Swati and Soni, Tarun, 2014 "A Comprehensive Model of Business Social Responsibility (BSR) for Small Scale Enterprises in Indian Context", *Journal of Small Business and Enterprise Development* (Emerald Group Publishing), Vol. 21, No. 4, pp 716-39.

Conferences/Workshops/Short term Courses Attended

1. Mishra K, Sanjay and Singh, Manmeet, 2014 "Supply Chain Practices in Fresh Produce Industry: An Examination of Apple Produce in the State of Jammu & Kashmir" paper included in the proceedings of Biennial Supply Chain Conference 2014, Indian Institute of Management Bangalore, 18th -19th December.
2. Roop Lal Attended UGC sponsored Refresher Course in the subject : Business Studies from 3rd – 23rd Dec, 2014 organised by UGC- ASC –Kurukshehra University, Kurukshehra
3. Roop Lal Attended Two – Week ISTE Workshop on Environmental Studies Conducted by IIT Bombay under National Mission On Education Through ICT (MHRD , GOI) on 2nd - 12th June, 2015 at SMVD University Katra.
4. Roop Lal Sharma Paper presented in 2-Day ICSSR Sponsored International Conference on Shifting Paradigms in Applied Economics and Management :Course Correction titled : The Study Of Performance Analysis of Banking Sector In India, from 1st- 2nd August , 2014 organised by Faculty of Management , SMVD University ,Katra J & K .
5. Roop Lal Sharma Paper presented in ICSSR Sponsored National Seminar on " Contemporary Business and Economic Opportunities in North –Western Region : Issues & Challenges "titled : Tourism in

- Jammu and Kashmir : Issues & Challenges, held on 6th March , 2015 Organised by Faculty of Management , SMVD University, Katra J & K
6. Supran Sharma Session Chair in 2-Day ICSSR Sponsored International Conference on Shifting Paradigms in Applied Economics and Management :Course Correction , from 1st- 2nd August , 2014 organised by Faculty of Management , SMVD University , Katra J & K .
 7. Supran Sharma Session Chair in ICSSR Sponsored National Seminar on Contemporary Business and Economic Opportunities in North –Western Region : Issues & Challenges , held on 6th March 2015 organised by Faculty of Management , SMVD University, Katra J&K.

Conferences/ Seminars /Workshops/ FDPs/MDPs Organized

1. Two Day Management Development Programme (MDP) on “Strengthening Lending Decisions to MSMEs” for the Officers of Banks & Financial Institutions at Faculty of Management, Shri Mata Vaishno Devi University, Katra on 13th - 14th September, 2014.
2. One Day Workshop on “Credit Research and Analysis” at Faculty of Management, Shri Mata Vaishno Devi University, Katra on 24th August, 2014.
3. Organized SIDBI Sponsored short term certificate course SIMAP from 25th May to 5th September, 2015 at Shri Mata Mata Vaishno Devi University, Katra, J&K.
4. Organized Five-Day Training Programme with financial Support of Ministry of Environment and Climate Change, GOI on Embedding Managerial Excellence from 22nd -26th June, 2015 at Shri Mata Vaishno Devi University, Katra, J&K.
5. Three-Day Case Study Conference Workshop from 24th-26th April, 2015 at Shri Mata Vaishno Devi University, Katra, J&K.
6. Two-Day Workshop on Individuals as Catalyst for Organization Excellence for Indian Forests Officers from 18th -19th September, 2014 sponsored by Ministry of Environment, Forests and Climate Change, India.
7. Two-Day In-house MDP for Sun Pharma at Baribrahma Sun Pharma, Bari brahma, Jammu on Crafting Individuals as Catalysts for Organization Excellence during 18th 19th April, 2014.S



School of Economics

FACULTY PROFILE

S. No.	Name of the faculty member	Designation	Qualification
1	Dr. Kakali Majumdar	Assistant Professor I/c Director	Ph. D.
2	Dr. Meenakshi Gupta	Assistant Professor	Ph. D.
3	Dr. Pabitra Kumar Jena	Assistant Professor	Ph. D.

PROGRAMMES OFFERED & ENROLLMENT:

M.Sc.	Ph.D.
50	No

EXTENSION LECTURES DELIVERED BY OUTSIDE EXPERTS IN THE SCHOOL:

Resource Person	Theme of the Lecture	Date
Prof. Rajah Rasiah	Southeast Asian Experience with respect to Asian and Global Financial Crisis	1 st August, 2014
Prof. Kuldeep Kumar	Prevalence of Fraud and Corruption	1 st August, 2014
Sh. R.P. Agarwal, IAS (Retd.)	Interactive session	21 st Nov., 2014
Mr. Samirendra Chatterjee(IAS)	Inflation, Monetary Policy and FDI	10 th Oct., 2014
Prof. Manoj Panda	Macro Economic Developments: An overview of Indian Economy	10 th Oct., 2014
Dr. Anjali Nigam	Personality Development	19 th Sep., 2014
Shri K. K. Srivastava	Interactive session and Discussion on Railway Budget	28 th June., 2014
Prof. Rajan Saxena	Interactive session and Discussion on Decision-making and Problem solving skills	5 th May., 2014
Prof. Kamta Prasad		10 th to 11 th July, 2015

RESEARCH PROJECTS INITIATED & COMPLETED BY THE FACULTY:

Title of the Project	Funding agency	Amount sanctioned	Status/Duration
“Adoption of Banking Technologies in Jammu region of India: An Empirical Study”	UGC	Rs 5,87, 600	ongoing
“Process Improvement of Apple Fruits Production in Kashmir Region: An Empirical Study”	ICSSR	Rs 5,00, 600	ongoing

RESEARCH PUBLICATIONS

- Jena Pabitra Kuamr & Hegde Dinesh Seth (2014) "Movements of Indian FDI Inflows Vis-a-Vis Global FDI Inflows: An Explanatory Analysis" Indian Journal of Scholarly Research.
- Bal Debi Prasad & Jena Pabitra Kumar (2015) "An Econometric Analysis of Willingness-to-Pay for Evaluating the Economic Value of Bhitarkanika National Park" Journal of Tourism.
- Jena Pabitra Kuamr & Hegde Dinesh Seth (2015), "Determinants of Foreign Direct Investment Inflows into India after Globalisation: An Empirical Investigation", The Asian Economic Review.
- Meenakshi Gupta and Shazia S(2014) Value Chain Analysis of Poultry Farming In Jammu Region- An Empirical Study.
- Meenakshi Gupta (2014), "Perceptions of Farmers and Market Functionaries on Marketing Reforms under 'Model APMC Act' in Narwal Mandi Jammu Compendium of Research papers on "Land Question –Agricultural Credit, Technology and Marketing Reforms for Inclusive Growth in Jammu & Kashmir" Seminar held by NABARD J&K Regional Office, Jammu..
- Gupta M and Sharma V(2014) Unveiling the role of marketing intermediaries of apples in J&K Elixir Marketing Mgmt
- Majumdar Kakali (2015), Bio-Fertilizer use in Indian Agriculture, Paripex-Indian Journal of Research.
- Jena Pabitra Kumar & Hegde Dinesh Seth (2014), "Trends, Patterns and Growth of Indian Foreign Direct Investment (FDI) Inflows: A Study Of Post Globalization Era", Chapter in a Edited Book on "Researches in Commerce and Management-A Deep Insight", Serial Publisher.
- Mukhopadhyay Dinabandhu, & Jena

Pabitra Kumar (2015), "Adoption of Banking Technologies in Jammu and Kashmir Region of India: An Empirical Study" Chapter in a Edited Book on "International Competitiveness: Defining National and Governmental Drivers of Productivity, Efficiency, Growth and Profit Edited by Erdener Kaynak & Talha D. Harcar.

- Singh Rajeev and Kakali Majumdar (2015), Dynamics of Business Economics & Entrepreneurship Development by Ashish Kant Chaudhari, Dominant Publisher.
- Majumdar Kakali and Rajeev Kumar Singh (2015), Proceedings of 2nd International Conference on Innovation and Sustainability Managing for Change, Bharti Publisher.

Conferences/Workshops/Short term Courses Attended

1. Jena Pabitra Kumar presented a paper on "An Account of Setbacks to Jammu and Kashmir and its Tourism Industry", ICSSR Sponsored International Conference on Shifting Paradigms in Applied Economics and Management: Course Correction, Faculty of Management, Shri Mata Vaishno Devi University, Katra, Jammu & Kashmir, 1st-2nd August, 2014.
2. Jena Pabitra Kumar presented a paper on "Trend, Pattern, Growth and Measurement of Indian FDI Inflows vis-à-vis Global FDI Inflows During Post Globalization Period: An Empirical Investigation", 1st International Conference on Applied Economics and Finance, GITAM School of International Business, GITAM University, Visakhapatnam in Association with The Indian Econometrics Society(TIES) on 26th February, 2015.
3. Gupta M(2014) An Empirical Study On

Women Entrepreneurs In Jammu Region
ICSSR sponsored two day International
Conference on "Shifting Paradigms in
Applied Economics and Management:
Course Correction 1st -2nd August, 2014
SMVDU.

4. Majumdar Kakali and Rajeev Singh
(2015), Impact of Information &
Communication Technology on
Agricultural Marketing, International
Conference on Exploring Trends and
Practices in Information Technology and
Management, ST. AloYSUS's College,
Jabalpur, MP.

Lectures Delivered

- Dr. Kakali Majumdar, Resource Person of
Work Shop, "Scholarly Writing and
Plagiarism: Key Concern, on
Measurement and Scaling and Sampling,
Central city, Jammu, 16th June, 2015

University, Jammu, 29th -31st October,
2014.

Dr. Kakali Majumdar , Session in SIDBI
Sponsored Management Skill Formation
Program, Industrial Policy and
Development, Shri Mata Vaishno Devi
Univer

Awards and Recognition

Dr. Meenakshi Gupta, Assistant
Professor in School of Economics has
been honoured with the prestigious
National Citizenship Gold Medal by
GEPRA (Global Economic Progress &
Research Association) a national level
non profit voluntary research organisation
working in the field of global economic
progress. The Award has been conferred
during 26th "National Unity Conference
on Individual Achievements and National
Development" held on 2nd May 2015.



School of Innovation and Community Development

FACULTY PROFILE

S. No.	Name of the faculty member	Designation	Qualification	Specialization
1	Dr. Sunil Kumar Wanchoo	Director I/c	Ph. D.	Seismology, material science, e-learning, microcomputers

RESEARCH PROJECTS INITIATED & COMPLETED BY THE FACULTY:

Title of the Project	Funding agency	Amount sanctioned	Status/Duration
Indian PI for, "Earthquake hazard evaluation in Jammu and Kashmir Himalaya and Western Indo-Gangetic Plains"	UGC-UKIERI thematic partnership scheme	40,00,000/- approx	Ongoing/ 2015-2016
Indian Co-PI for, "Seismic structure, active faulting and ground motion evaluation in NW India"	NERC, UK	GBP 18500	Ongoing/ 2014-2015
Indian Co-PI for, "Earthquakes without frontiers"	NERC, UK	GBP 25000	Ongoing/ 2015 – 2017
NI Coordinator, Nationally Coordinated project "V-SAT enabled Mobile e-Learning Terminals"	Under National Mission on Education through ICT Scheme of MHRD. IIT Roorkee was the lead institution.	~45 Lacs in the form of Two mobile labs	Completed/ 2009-2011

NEW COLLABORATIVE RESEARCH PROGRAMMES :

During the year the School has collaborated with University of Cambridge and IISER to have 14 observatories already commissioned as a part of ongoing collaboration in the area of seismology to study the seismotectonics of J&K Himalaya and 16 more are to be set up

during the next one year. Dr. Wanchoo spent over 4 weeks at Bullard laboratories, University of Cambridge as an academic visitor during May-June, 2015 in connection with the collaborative research work/projects.

RESEARCH PUBLICATIONS: NO

CONFERENCES/WORKSHOPS/SHORT TERM COURSES ATTENDED

1. Wanchoo, S. K., presented the paper titled "Lithospheric Structure & Earthquakes beneath Kashmir Himalaya" in the International Conference " AGU annual fall meeting – 2014" organized by AGU dated 16th -19th, December 2014.
2. Wanchoo, S. K., attended "Teachers Training Workshop under ST sub plan of GOI" organized by Vigyan Prasar, DST, GOI at State Institute of Education,

Jammu from 15th - 21st Jan, 2015

3. Wanchoo, S. K, attended a Lecture titled "Physics of earthquakes" organized by R D National College, Mumbai on 23rd Feb, 2015.
4. Wanchoo, S. K, attended a Lecture titled "Earth earthquake and society" organized by G N Khalsa College, Mumbai on 24th Feb, 2015.
5. Wanchoo, S. K, attended a Lecture titled "Earth earthquake and society" organized by Physics Department, Mumbai University on 24th Feb, 2015
6. Wanchoo, S. K, attended a Lecture titled

"Earth earthquake and society" organized by IIIM-CSIR, Jammu on 28th Feb, 2015

Conferences/ Seminars /Workshops/ FDPs/ MDPs Organized

1. Organized one week workshop on Conscious Leadership; an alchemy of change organized with YAKJAH and RGNIYD, Chandigarh at SICD, SMVDU from April 2-6, 2015.
2. Organized 8th DST Sponsored Innovation in Science Pursuit for Inspired Research (INSPIRE), Science Internship Camp. 22nd -26th July, 2015.

GRANTS MOBILIZED

S. No.	Details (Mention Year, Value etc. where relevant)
1	Rs. 1,65,000/- by DST, GOI as travel grant to present a poster at AGU-2014 held from December 15-19, 2014 at San Francisco, USA.
2	Obtained a grant of Rs. 4,77,128/- from CSAB, MHRD, GOI towards the CSAB Reporting Centre at SMVDU for the year 2014-2015.
3	As PI Obtained a grant of Rs. 8,70,000/- from SERB, DST, GOI to hold the 7th PAC meeting on Himalayan Glaciology from May 14th -15th , 2015.
4	As PI Obtained a grant of Rs. 40,69,000/- from DST, GOI under the INSPIRE scheme for the conduct of Eighth camp from July, 22-26, 2015.
5	Indian PI Research grant (PR-78) of Rs. 17,81,400/- plus GBP 17665 (approx) under UGC-UKIERI thematic partnership scheme against a joint project with University of Cambridge, UK and IISERK.
6	Indian Co-PI Research grant (PR-79) of GBP 18500 under NERC-IAA scheme against a joint project with University of Cambridge, UK and IISERK.
7	Indian Co-PI Research grant (PR-82) of GBP 25000 under NERC-IOF scheme against a joint project with University of Cambridge, UK and IISERK.
	Total grant mobilized during the year = Rs. 73,62,528/- plus GBP 61165

Faculty of Sciences





School of Biotechnology

FACULTY PROFILE

S. No.	Name of the faculty member	Designation	Qualification	Specialization
1	Prof. V. Verma	Director, SBT & Dean, FoE	Ph. D.	Plant Cytogenetics & Molecular biology
2	Dr. Sharada M. Potkuchi	Associate Professor	Ph. D., Post Doc.	Plant Tissue Culture & Genetic Engineering
3	Dr. Ratna Chandra	Assistant Professor	Ph. D.	Plant Genetic Engineering, Bt Transgenics
4	Dr. Samantha Vaishnavi	Assistant Professor	Ph.D.	Plant Molecular Biology and Genetics
5	Mr. Parvez S. Slathia	Assistant Professor	M.Sc., NET	Bioprocess Tech. & Bioinformatics
6	Dr. Preeti Sharma	Assistant Professor	Ph.D.	Environmental Sciences & Microbiology
7	Dr. Anil Kumar	Assistant Professor	Ph. D.	Synthetic Organic Chemistry
8	Mr. Arvind Yadav	Assistant Professor	M. Tech.	Biochemical Engineering
9	Dr. Shafaq Rasool	Assistant Professor	Ph. D.	Biotechnology
10	Dr. Indu Bushan	Assistant Professor	Ph. D.	Enzymology and Biotransformation
11	Dr. Raju Shankarayan	Assistant Professor	Ph. D.	Biochemical Engineering & Biotechnology
12	Dr. Vinod Singh	Assistant Professor	Ph. D., Post Doc.	Immunology
13	Dr. Swarkar Sharma	Assistant Professor	Ph. D., Post Doc.	Genetics and Genomics of Human Disorders, Next Generation Sequencing
14	Dr. Ekta Rai	Assistant Professor	Ph. D., Post Doc.	Molecular Genetics of Human Disorders, Next Generation Sequencing, Diabetes
15	Dr. Rakesh Prabhu	Assistant Professor	Ph. D., Post Doc.	Cancer Biology DNA Damage Response
16	Dr. Narender Bairwa	Assistant Professor	Ph. D., Post Doc.	Marine Biotechnology, Life Sciences, Cancer Genetics, Yeast Genetics (<i>S. cerevisiae</i> & <i>Cryptococcus</i> Spp.)
17	Dr. Mohita Sharma	Assistant Professor (Contractual)	Ph. D.	Coordination Chemistry & Polymers

PROGRAMMES OFFERED & ENROLLMENT:

B.Tech.	M.Sc.
09	21

DETAILS OF B.TECH. STUDENTS:

Batch	Admitted Students		
	Male	Female	Total
2014 Entry			
09	02	07	09*

*Two students have withdrawn their admission w.e.f. Aug 2015.

DETAILS OF M.SC. STUDENTS:

Batch	Admitted Students		
	Male	Female	Total
2014 Entry			
21	03	18	21

DETAILS OF RESEARCH SCHOLARS:

Year 2014-15	Ph.D.		
	Male	Female	Total
Admitted 2014-15	02	10	12
Awarded 2014-15	02	-	02
Total presently under supervision	18	22	40

EXTENSION LECTURES DELIVERED BY OUTSIDE EXPERTS IN THE SCHOOL:

Resource Person	Theme of the Lecture	Date
Prof. Altaf Wani	Protein Modification Modulating DNA Repair Response	4 th February, 2015

DEGREE AWARDEES:

B.Tech	M.Sc.	Ph.D.
08	18	02

Names of Ph.D. Degree Awardees: 1. Dr. Kalaisaram 2. Dr. Siddharth Manavati

RESEARCH PROJECTS INITIATED & COMPLETED BY THE FACULTY:

S. No.	Title of the Project	Funding agency	Amount sanctioned (Rs. in Lakhs)	Status/ Duration
1	Strengthening of Botanical Garden (Dr. Dheeraj Vyas PI)	Ministry of Environment and Forest, GOI	13	Completed/ 2007-2008
2	Establishment of Herbal Garden Trikuta Hills at SMVDU University (Dr. Sharada M. Potukuchi PI)	National Medicinal Plants Board, Ministry of Health & Family Welfare, GOI New Delhi.	10	Completed/ 2007-2010
3	Fermentative production of lactic acid from Mahua flowers (Prof. V. Verma PI)	TRIFED, New Delhi	14.95	Completed/ 2007-2009
4	Establishment of Bioinformatics Infrastructure (BIF) for the promotion of Biology Teaching through Bioinformatics Phase I (Prof. V. Verma Coordinator)	Apex Bioinformatics Centre, Dept. of Biotechnology, New Delhi	62.28	Completed/ 2007-2012
5	Development of DNA fingerprints in selected medicinal plants (Prof. V. Verma PI)	Dabur India Limited, Ghaziabad	5.0	Completed/ 2007-2010
6	Exploring Myxobacteria from the state of Jammu and Kashmir for novel enzymes and secondary metabolism (Dr. Shafaq Rasool PI)	Department of Science & Technology, Govt. of India	19.63	Completed/ 2010-2013
7	Organocatalytic asymmetric Mannich/ Intramolecular cyclization as formal [3+2] cycloaddition: One-pot synthesis of substituted pyrrolidine ring systems (Dr. Anil Kumar PI)	University Grants Commission, Govt. of India	9.0	Completed/ 2011-2014
8	Establishment of Bioinformatics Infrastructure (BIF) for the promotion of Biology Teaching through Bioinformatics (Prof. V. Verma Coordinator)	Apex Bioinformatics Centre, Dept. of Biotechnology, New Delhi	23.05	Ongoing/ 2013-2017
9	DST Special Package for J&K (Prof. V. Verma Coordinator)	Department of Science & Technology, Govt. of India	97.4	Ongoing/ 2009-2014

10	UGC SAP DRS-I (Prof. V. Verma Coordinator, Dr. Sharada M. Potukuchi, Dy. Coordinator)	University Grants Commission, GOI	64.75	Ongoing/ 2011-2016
11	UGC SAP DRS-I Additional Grant (Prof. V. Verma Coordinator, Dr. Sharada M. Potukuchi, Dy. Coordinator)	University Grants Commission, GOI	20.0	Ongoing/ 2011-2016
12	Exploring Microbial Diversity & Mining Novel Hydrolases from Brackish Water Lakes of Ladakh Region by Metagenomic Approach (Dr. Shafaq Rasool PI)	Council of Scientific and Industrial Research, Govt. of India	35.00	Ongoing/ 2011-2015
13	mi RNA Status in Breast Tumors and therapeutic Potential (Prof. RNK Bamezai PI, Dr. Rakesh Kumar CoPI)	J&K State DST, J&K	150.00	Ongoing/ 2012-2015
14	Cell and tissue engineering of in vitro cultures of Bacopa monnieri (L.) (Dr. Sharada M. Potukuchi PI)	University Grants Commission, Govt. of India	13.71	Ongoing/ 2012-2015
15	Molecular modeling and drug docking studies on Cystathionine beta lyase in selected members of Enterobacteriaceae (Mr. Parvez S. Slathia PI, Dr. Preeti Sharma CoPI)	University Grants Commission, Govt. of India	1.60	Ongoing/ 2012-2014
16	Targeting synthetic lethality interactions among genome stability genes and F box proteins for personalized drug development (Dr. Narendra Bairwa PI)	Department of Biotechnology, Govt. of India	82	Ongoing/ 2013-2018
17	Human Genetic Diversity & Evolutionary Perspectives of Type 2 Diabetes Susceptibility in Indian Populations (Dr. Swarkar Sharma, PI)	University Grants Commission, Govt. of India	6.0	Ongoing/ 2014-2016
18	Genetic Diversity and Evolutionary Perspectives in Population Groups of Jammu and Kashmir, India (Dr. Swarkar Sharma, PI)	National Geographic Society, USA	~30 (USD 50,000)	Ongoing/ 2014-2016

19	Genetic Perspectives of Type 2 Diabetes Susceptibility in Population Group of Jammu and Kashmir, India. (Dr. Swarkar Sharma, PI)	Department of Science and Technology SERB	~27	Ongoing/ 2014-2017
20	Replication and characterization of newly identified T2D susceptible genetic loci in Some Indian Population Groups (Dr. Ekta Rai PI)	University Grants Commission, Govt. of India	6.0	Ongoing/ 2014-2016
21	Exploring potentials of probiotic bacteria as a potential source of phytate degrading enzymes and bacteriocin production (Dr. Preeti Sharma PI Mr. Parvez S. Slathia CoPI,)	Department of Biotechnology, Govt. of India	37.08	Ongoing/ 2014-2016
22	DST-Young Scientist Research Grant 2015 (Dr. Rakesh Kumar PI)	Department of Science & Technology, Govt. of India	27 (Proposed)	Ongoing/ 2015-2018
23	Identification of unique and novel alleles of thermo stable and cold active lipases and cellulases from microflora of J&K State using metagenomic approach against J&K Special Call	Department of Biotechnology, Govt. of India	49.56	Ongoing/ 2015-2018
	TOTAL GRANTS		804.01	(Completed & Ongoing)

NEW COLLABORATIVE RESEARCH PROGRAMMES :

RESEARCH PUBLICATIONS

1. Sharma Indu Bhushan, Yadav Arvind Kumar and Verma Vijeshwar. (2014) Evaluation of Physico-chemical and microbiological parameters of Jhajjar rivulet of J&K. Environment Conservation Journal; 15 (1&2): 95-98.
2. Khanna, P.K., Kumar, A., Chandra, R., Kumar, A., Dogra, N., Gupta, H., Gupta, G. and Verma, V. (2014) Correlation between Morphological, Chemical and RAPD markers for assessing genetic diversity in *Withania somnifera* (L.) Dunal. Journal of Crop Science and Biotechnology; 17(1): 27-34.
3. Jithendar, T., Sairam, K.V.S.S. and Verma, V. (2014) Enrichment of glucose oxidase production by *Aspergillus niger*

- PIL7 in submerged cultivation based on conventional optimization approach. *Journal of Pharmacy Research*; 8(10): 1462-1466.
4. Shagun Sharma, Surbhi Gupta, V. Verma and Narendra K Bairwa. (2014) Comparative Structural analysis of the SCF E3 ligase Component Hrt1p and its Mutant (C81Y) of *S. cerevisiae* by Homology Modelling. *International Journal of Science and Research*; 3(8): 879-883.
 5. Anuja Koul, Arti Sharma, Sofia Gupta and Sharada Mallubhotla (2014) Cost effective protocol for micropropagation of *Bacopa monnieri* using leaf explants. *International Journal of Science and Research*, 3(4): 210-212.
 6. Munish Sharma, Ashok Ahuja, Rajinder Gupta and Sharada Mallubhotla (2014) Bacoside production under the influence of abiotic elicitors in shoot cultures of *Bacopa monnieri* (L.). *Natural Product Research*, DOI:10.1080/14786419.2014.986657.
 7. Abijeet Singh Mehta¹, Kirti Snigdha and M. Sharada Potukuchi and Panagiotis A Tsonis (2015) Comparative sequence- and structure-inspired drug design for PilF protein of *Neisseria meningitidis*. *Human Genomics*, 9 (5): DOI 10.1186/s40246-015-0027-1.
 8. Koul Anuja, Kushwaha Manoj, Gupta Ajai and Mallubhotla Sharada (2015) Regenerative potential and phytochemical diversity among five accessions of *Bacopa monnieri* (L.) Wettst. *International Journal of Pharma and Bio Sciences*, 6(3): 746-756
 9. N. Dhar, S. Rana, S. Razdan, W. W. Bhat, A. Hussain, R. S. Dhar, S. Vaishnavi, A. Hamid, R. Vishwakarma and S. K. Lattoo. (2014) Cloning and Functional Characterization of Three Branch Point Oxidosqualene Cyclases from *Withania somnifera* (L.) Dunal. *J. Biol. Chem.*; 289: 17249-17267.
 10. Archana Pandita, Bhupender Kumar, Siddharth Manvati, Samantha Vaishnavi, Shashank K. Singh, and Rameshwar N. K. Bamezai. (2014) Synergistic combination of gemcitabine and dietary molecule induces apoptosis in pancreatic cancer cells and down regulates PKM2 expression. *PLoS ONE*; DOI: 0.1371/journal.pone.0107154.
 11. Sheikh Rayees, Naresh Kumar Satti, Rukman kesh Mehra , Amit Nargotra, Shafaq Rasool, Anjna Sharma, Promod Kumar Sahu, Rajnikant, Vivek K. Gupta, Kunal Nepali and Gurdarshan Singh. (2014) Anti-asthmatic activity of azepino [2, 1-b] quinazolones, synthetic analogues of vasicine, an alkaloid from *Adhatoda vasica*. *Med Chem Res*; DOI 10.1007/s00044-014-0996-y.
 12. Swarkar Sharma, Douglas Londono, Walter L. Eckalbar, Xiaochong Gao, Dongping Zhang, Ikuyo Kou et. al. (2014) APAX1 enhancer locus is associated with susceptibility to idiopathic scoliosis in females. *Nature Communications*; 6: 6452, doi:10.1038/ncomms7452.
 13. Mohita Sharma. (2014) Synthesis, Characterization and Antimicrobial Activity of Some Isothiocyanato Complexes of Dioxotungsten(VI) Containing Mannich Base Ligands. *Knowledge of Research*; 1: (1), 40-49.
 14. Mohd Yawer, Swati Sharma, Mukaddus Kariem, Haq N. Sheikh and Mohita Sharma. (2015) Hydrothermal synthesis, structure, porosity, and luminescent properties of 3D coordination polymer of holmium with 1,4-phenylenediacetic acid [Ho₂(PDA)₃(H₂O)]_n·2nH₂O. *Monatsh Chem*; 146:47–55

BOOKS PUBLISHED

Rajesh Sharma, JP Sharma and Sharada

M. Potukuchi. (04.09.2014) "Endophytes - Source of novel Bioactive molecules", LAP Lambert Academic Publishers, OmniScriptum GmbH & Co. KG, Germany; 56 pages; ISBN No. 978-3-659-22367-9.

Chapters Published in Books

1. Narendra Bairwa. (2014) Microsatellite Instability: An Indirect Assay to Detect Defects in the Cellular Mismatch Repair Machinery. Humana Press. ISBN: 978-1-62703-738-9(Print) 978-1-62703-739-6
2. Narendra Bairwa. (2014) Gel-based nonradioactive single-strand conformational polymorphism and mutation detection: limitations and solutions. Humana Press. ISBN: 978-1-62703-738-9(Print) 978-1-62703-739-6.

Conferences/Workshops/Short term Courses Attended

1. Verma V. Member, Annual General Body Meeting, Academy of Sciences, Jodhpur; 5th Dec., 2014.
2. Verma V. Member, Research Committee Meeting, CSIR-NBRI, Lucknow; 10th to 12th Dec., 2014.
3. Verma V. Project Proposal Meeting, UGC, New Delhi; 15th to 17th Dec., 2014.
4. Verma V. Local Advisor Committee Member, 2nd National Interdisciplinary Science Symposium (NISS-II), Govt. Gandhi Memorial Science College Canal Road, Jammu; 27 - 28th Feb., 2015.
5. Verma V. Member, Academic Council, Deptt. of Biotechnology, SKUAST-J Chatha Campus, Chatha, Jammu; 25th May, 2015.
6. Verma V. Member, Parliamentary

Standing Committee, Science & Technology, Environment & Forest, Srinagar, 26th May, 2015.

7. Verma V. Observer, Bioinformatics National Certification BINC online Examination -2015, Ask Learning Centre, Gandhi Nagar, Jammu; 7th June, 2015.
8. Sharada M. Potukuchi. Attended Two Day International Workshop on Introduction to Biorisk Management for Leadership and Management, Indian Institute of Integrative Medicine, CSIR, Jammu in collaboration with Sandia National Laboratories, New Mexico, USA; 25th – 26th August 2014.
9. Sharada M. Potukuchi. Resource Person in Advanced Techniques in Botanical Sciences" at One day Workshop, PG Dept of Botany, Hans Raj Mahila Mahavidyalaya, Jalandhar; 10th Nov. 2014.
10. Sharada M. Potukuchi. Delivered Invited Talk at Two-week DBT-sponsored Short-Term Training Course (STTC) on "Bioprocess Engineering, School of Biotechnology, University of Jammu; 15th Dec. 2014.
11. Sharada M. Potukuchi. Presented Poster at 102nd Indian Science Congress 2015, University of Mumbai, Mumbai; 3rd – 7th Jan. 2015.
12. Sharada M. Potukuchi. Delivered Invited Talk at Two Day UGC Sponsored National Workshop ABC of Fitness Holistic approach through Diet, Exercise And Stress Management, St. Francis College for Women, Hyderabad; 16th – 17th Jan. 2015.
13. Sharada M. Potukuchi. Presented Poster at National conference on "Orchids Science & Commerce: Integration of Medicinal Orchids, Sustainable Development and Societal Benefits,

- School of Biotechnology, SMVDU, Katra and The Orchid Society of India; 13th – 15th Feb 2015.
14. Sharada M. Potukuchi. Presented Poster at National Conference on Advances in Agricultural Sciences & Biotechnology, DAV College Jalandhar; 28th Feb 2015.
 15. Sharada M. Potukuchi. Attended Bioinformatics: Approaches in the '-omics' Era: Workshop, School of Biotechnology, SMVDU; 10th - 11th March, 2015.
 16. Sharada M. Potukuchi. Delivered Invited Talk at 10th J&K Science Congress, Jammu University; 14th - 16th March, 2015.
 17. Sharada M. Potukuchi. Attended Workshop on Modern Developments and Applications in Imaging Techniques, School of Biotechnology, SMVDU, Katra and Leica Microsystems, India; 26th – 27th May 2015.
 18. Sharada M. Potukuchi. Presented Poster at Gordon Research Conference - Plant Metabolic Engineering 2015, Waterville Valley, USA; 19th – 24th July 2015.
 19. Indu Bhushan. Presented Paper at WAC International conference, New Delhi; 20th – 21st Nov, 2014.
 20. Indu Bhushan. Presented Poster at 102nd Indian Science Congress 2015, University of Mumbai, Mumbai; 3rd – 7th Jan. 2015.
 21. Indu Bhushan. Presented Poster at 10th J&K Science Congress, Jammu University; 14th - 16th March, 2015.
 22. Indu Bhushan. Attended Workshop on Modern Developments and Applications in Imaging Techniques, School of Biotechnology, SMVDU, Katra and Leica Microsystems, India; 26th – 27th May 2015.
 23. Indu Bhushan. Attended UGC HRDC, Refresher course on Pharmaceutical Sciences, Kurukshetra University; 16th June – 6th July 2015.
 24. Vinod Singh. Attended National conference on "Orchids Science & Commerce: Integration of Medicinal Orchids, Sustainable Development and Societal Benefits, School of Biotechnology, SMVDU, Katra and The Orchid Society of India; 13th – 15th Feb 2015.
 25. Vinod Singh. Attended Workshop on Modern Developments and Applications in Imaging Techniques, School of Biotechnology, SMVDU, Katra and Leica Microsystems, India; 26th – 27th May 2015.
 26. Ekta Rai. Attended and Delivered Invited Lecture at Bioinformatics: Approaches in the '-omics' Era: Workshop, School of Biotechnology, SMVDU; March 10th-11th, 2015.
 27. Swarkar Sharma. Delivered Invited Talk at NextGen Genomics & Bioinformatics Technologies (NGBT) Conference, NIMHANS Bangalore; 17th – 19th November, 2014.
 28. Swarkar Sharma. Delivered Invited Talk at International Symposium on Genomics in Health and Disease & 40th Annual Conference of Indian Society of Human Genetics, ICMR, Mumbai; 28th – 30th January, 2015.
 29. Swarkar Sharma. Delivered Invited Talk at 10th J&K Science Congress, Jammu University; 14th - 16th March, 2015.
 30. Swarkar Sharma. Delivered Invited Talk at National Seminar on Genomics and Epigenomics, Guru Nanak Dev University, Amritsar; 20th March, 2015.
 31. Narendra Bairwa. Attended 93rd

Orientation programme, sponsored by UGC, Academic staff College, Rajasthan University; 7th July - 2nd August, 2014.

32. Narendra Bairwa. Attended 4th Ranalingaswami Fellows Conclave, Institute of Life Sciences, Bhubaneswar and DBT, GOI; 30th January - 1st February 2015.
33. Narendra Bairwa. Attended 10th J&K Science Congress, Jammu University; 14th - 16th March, 2015.
34. Narendra Bairwa. Attended Young Investigator Meeting, 2015, University of Kashmir and DBT; 27th March - 1st April, 2015.
35. Narendra Bairwa. Attended Bioinformatics: Approaches in the '–omics' Era: Workshop, School of Biotechnology, SMVDU; March 10th-11th, 2015.
35. Narendra Bairwa. Attended Workshop on Modern Developments and Applications

in Imaging Techniques, School of Biotechnology, SMVDU, Katra and Leica Microsystems, India; 26th – 27th May 2015.

Conferences/ Seminars/ Workshops/ FDPs/ MDPs Organized

1. National Conference on “Orchid Science and Commerce: Integration of Medicinal Orchids, Sustainable Development and Societal Benefits” organized jointly by School of Biotechnology, SMVDU and The Orchid Society of India (TOSI), Punjab University, Chandigarh from 13th - 15th February, 2015.
2. Workshop on “Bioinformatics: Approaches in the Omics ERA” at School of Biotechnology from 10th -11th March, 2015.
3. Workshop on “Modern Developments and Applications in Imaging Techniques” organized by School of Biotechnology, SMVDU and Leica Microsystems, India from 26th -27th May, 2015.



School of Mathematics

FACULTY PROFILE

S. No.	Name of the faculty member	Designation	Qualification	Specialization
1	Prof. V.K. Bhat	Dean Faculty of Sciences	Ph.D.	Algebra
2	Dr. A.K. Das	Assistant Professor & Director I/C	Ph.D.	Topology
3	Dr. Kuldip Raj	Assistant Professor	Ph.D.	Functional Analysis
4	Dr. Ajay Kumar Sharma	Assistant Professor	Ph.D.	Functional Analysis
5	Dr. Sandeep Bhogal	Assistant Professor	Ph.D.	Sampling Theory
6	Dr. Rakesh Kumar	Assistant Professor	Ph.D.	Queuing Theory
7	Dr. Sandeep Sharma	Assistant Professor	Ph.D.	Differential Geometry
8	Mr. Surender Singh	Assistant Professor	Ph.D.	Information Theory

PROGRAMMES OFFERED & ENROLLMENT:

M.Sc.	Ph.D.
30	02

DETAILS OF M.SC. STUDENTS:

Batch	Admitted Students		
	Male	Female	Total
2014 Entry	04	26	30

DETAILS OF RESEARCH SCHOLARS:

Year 2014-15	Ph.D.		
	Male	Female	Total
Admitted 2014-15	0	02	02
Awarded 2014-15	01	02	03
Total presently under supervision	01	07	08

EXTENSION LECTURES DELIVERED BY OUTSIDE EXPERTS IN THE SCHOOL:

Resource Person	Theme of the Lecture	Date
Prof. B. Ramakrishnan, Harish-Chandra Research Institute (DAE), Allahabad.	"Convolution sums of the divisor function and representation numbers of certain quadratic forms"	1 st June, 2015

DEGREE AWARDEES:

M.Sc.	Ph.D.
18	03

Names of Ph.D. Degree Awardees: 1. Dr. Sumeet Kumar Sharma
2. Dr. Neetu Kumari
3. Dr. Smarti Gosani

RESEARCH PROJECTS INITIATED & COMPLETED BY THE FACULTY:

S. No.	Title of the Project	Funding agency	Amount sanctioned (Rs. in Lakhs)	Status/ Duration
1	Transparency of skew polynomial rings over Noetherian rings	Department of Atomic Energy	10.29	3 Years (2010-2013)
2	Composition Operators & Dynamics of complex valued functions	Ministry of Environment and Forest, GOI	8	3 Years (2009-2012)
3	Associated prime ideals and minimal prime ideals of skew polynomial rings	UGC	2	(2011-2013)

NEW COLLABORATIVE RESEARCH PROGRAMMES UNDERTAKEN: NO**RESEARCH PUBLICATIONS**

- Bhat V. K., Skew-Laurent rings over $(*)$ -rings, Eur. J. Pure Appl. Math Journal, (2014), 387-394.
- Gosani Smarti and Bhat V. K., Ore extensions over 2-primal SI rings, Int. J. Math. Game Theory Algebra, (2014), 103-108.
- Bhat V. K., On 2-primal Ore extensions over Noetherian weak (\square, \square) -rigid rings, Bul. Acad. Ştiinţe Repub. Mold. Mat, (2014), 51-59.
- Bhat V. K., On Completely Prime left ideals of Ore extensions, (2015), 79-84.
- Das A.K. A class of spaces containing all densely normal spaces, Indian J. Math., Vol 57, no 2 (2015), 217-224.
- Das A.K., A note on weak structures due to Csaszar, Bul. Acad.Stiinte Repub. Mold. Mat, (to appear).
- Das A.K., On a simultaneous generalization of β -normality and almost normality Filomat, (to appear).
- Sharma Ajay Kumar Approximation numbers of composition operators on weighted Hardy spaces, Khayyam J. Math, 1 no. 1 (2015), 71-81.
- Sharma Ajay Kumar Some double sequence spaces defined by a sequence of Orlicz functions over n-normed spaces, Sci. Math. Jpn. International Society of Mathematical Sciences 77(2014)no. 1, 69–81.
- Sharma Ajay Kumar, The rate of increase of mean values of functions in weighted Hardy-Orlicz spaces, An. Ştiinţ. Univ. Al. I. Cuza Iaşi. Mat. (N.S.)An. Ştiinţ. Univ. Al. I. Cuza Iaşi, no. 161 (2015), 161–168.
- Sharma Ajay Kumar, Integration operators from Cauchy integral transforms to weighted Dirichlet spaces,

- New Zealand J. Math. New Zealand Mathematical Society 44 (2014),93–101.
12. Sharma Ajay Kumar, Products of composition and iterated differentiation operators from fractional Cauchy transforms to weighted Bloch-type spaces, Acta Univ. M. Belii Ser. Math. De-guryter, 2014,35–44.
 13. Sharma Ajay Kumar, Integration operators from the space of Cauchy integral transforms to the Dirichlet space, Adv. Pure Appl. Math. De guryter, 5 no. 1(2014), 47–53.
 14. Sharma Ajay Kumar, Essential norm of generalized composition operators on weighted Hardy spaces, Oper. Matrices EleMath, 8 no. 2(2014), 399–409.
 15. Raj Kuldip, Fibonacci difference sequence spaces defined by a sequence of modulus functions, Le Matematiche, 70(2015), 137-156.
 16. Raj Kuldip, Some double lambda convergent sequence spaces over n-normed Spaces, Aust. J. Math. Anal. Appl., 12(2015), 1-16.
 17. Raj Kuldip, Some seminormed difference sequence spaces defined by Musielak Orlicz function over n-normed spaces, J. Math. Appl., 38 (2015), 125-141.
 18. Raj Kuldip, On certain generalized paranormed spaces, J. Inequal. Appl. (2015), 2015: 37.
 19. Raj Kuldip, Some generalized difference sequence spaces defined by a sequence of moduli in n- normed spaces, J. Funct. Spaces, Vol. 2015, Article ID 413850, 8- pages.
 20. Raj Kuldip, Some vector valued statistical convergent sequence spaces, Malaya journal of Matematik, 3(2015), 161-167.
 21. Dr. Kuldip Raj, On Some I-Convergent Sequence Spaces Over n- Normed Spaces, J. Ana. Num. Theor., 3(2015), 21-26.
 22. Raj Kuldip, On some Zweier I-convergent difference sequence spaces, J. Appl. Funct. Anal. 10 (2015), 143-163.
 23. Raj Kuldip, Generalized spaces of double sequences for Orlicz functions and bounded regular matrices over n-normed spaces, J. Inequal. Appl. 2014, 2014:332.
 24. Raj Kuldip, Double difference sequence spaces $(\Delta\Phi, \dots, 2puFm$
 25. , J. Math. Anal. (2014), 1-8.
 25. Raj Kuldip, Double sequence spaces by means of Orlicz functions, Abstr. Appl. Anal, Volume 2014, Article ID260326, 8 pages.
 26. Raj Kuldip, On some classes of double difference sequences of interval numbers, Abstr. Appl. Anal., Volume 2014, Article ID 516956, 8 pages.
 27. Raj Kuldip, Ideal convergent sequence spaces defined by Musielak - Orlicz function over n-normed spaces, Acta Univ. Apulensis Math. Inform, 37 (2014), 229-240.
 28. Raj Kuldip, On generalized difference Hahn sequence spaces, Sci. World J. Vol. 2014, ID 398203, 7 pages.
 29. Raj Kuldip, An Orlicz extension of difference modular sequence, Bol. Soc. Paran. Mat, 33 (2015), 31-57.
 30. Raj Kuldip, Some difference paranormed sequence spaces over n-normed spaces defined by Musielak - Orlicz function, Kyungpook Math. J, 54 (2014), 73-86.
 31. Raj Kuldip, Some multiplier generalized difference sequence spaces over n-normed spaces defined by a Musielak-Orlicz function, Siberian Adv. Math, 24 (2014), 193-203.
 32. Raj Kuldip, Double Entire difference sequence spaces of Fuzzy numbers, Bull.

- Malays. Math. Sci. Soc, 37 (2014), 369–382.
33. Raj Kuldip, Double sequence spaces over n -normed spaces, Arch. Math, 50 (2014), 7-18.
 34. Raj Kuldip, Some multiplier sequence spaces over n -normed spaces defined by Musileak-Orlicz function, Serdica Math. J, 40 (2014), 19-40.
 35. Raj Kuldip, Some paranormed double difference sequence spaces for Orlicz functions and bounded-regular matrices, Abstr. Appl. Anal., Volume 2014, Article ID 419064, 10 pages.
 36. Raj Kuldip, Composition operators on Cesaro Function Spaces, J. Funct. Spaces Appl., Volume 2014, Article ID 501057, 6 pages.
 37. Raj Kuldip, Some difference sequence spaces defined by a modulus function and an infinite matrix, J. Inequal. Spec. Funct, 5(2014), 21-32.
 38. Raj Kuldip, On some new entire sequence spaces, J. Ana. Num. Theor, 2 (2014), 69-76.
 39. Raj Kuldip, Some spaces of double difference sequences of fuzzy numbers, Mat. Vesnik, 66 (2014), 91-100.
 40. Raj Kuldip, Difference Sequence spaces of fuzzy real numbers, J. Concr. Appl. Math., 12 (2014), 146-159.
 41. Raj Kuldip, Some double lacunary sequence spaces, Italian J. Pure and Appl. Math, 32 (2014), 347-358.
 42. Bhoulal Sandeep, Estimation of population mean in the presence of non-response & measurement error, Colombian Journal of Statistics, 38, 1, 145-161.
 43. Kumar Rakesh, Optimization of M/M/1/N Feedback Queue with Retention of Reneged Customers, Operations Research and Decisions, Vol 24, No.3 (2014) 45-58.
 44. Kumar Rakesh, Two-Heterogeneous Server Markovian Queueing Model with Discouraged Arrivals, Reneging and Retention of Reneged Customers, International Journal of Operations Research, Vol. 11, No. 2, (2014) 64-68.
 45. Kumar Rakesh, Optimizing Service Rate and the Capacity of an M/M/1/N Queueing System with Retention of Reneged Customers, Indian Journal of Industrial and Applied Mathematics, Vol. 5, No. 1 (2014), 53-63.
 46. Kumar Rakesh, A Single-Server Markovian Feedback Queueing System with Discouraged Arrivals and Retention of Reneged Customers, American Journal of Operational Research, Vol. 4, No. 3 (2014) 35-39.
 47. Kumar Rakesh, A Multi-Server Markovian Feedback Queue with Balking, Reneging and Retention of Reneged Customers, Advanced Modeling and Optimization, Volume 16, No. 2, (2014) 395-406
 48. Kumar Rakesh, An M/M/1/N Queueing System with Reverse Balking and Reverse Reneging, Advanced Modeling and Optimization, Volume 16, No. 2, (2014) 339-353.
 49. Kumar Rakesh, An M / M /1/ N feedback Queueing System with reverse balking, Journal of Reliability and Statistical Studies ,Volume 8, No. 1, (2015) 31-38.
 50. Singh Surender, On Applications of a Generalized Hyperbolic Measure of Entropy, International Journal of Intelligent Systems and Applications, 2015, 07, 36-43.
 51. Singh Surender, Studies on Intuitionistic Fuzzy Information Measure Mathematical Modelling and Information Technologies

Conferences/Workshops/Short term Courses Attended.

1. Bhat V. K. presented paper on "Weak σ -rigid rings and their extensions over Noetherian rings" in an International Conference on Algebra, logic and applications, at Sobolov institute of Mathematics, Russia from 1st – 7th May, 2015.
2. Das A. K. presented paper on "On some factorizations of topological properties" in National Seminar in Topological Algebraic Analysis, at University of Jammu from 14th – 16th May, 2015.
3. Sharma Ajay Kumar, presented paper on "Weighted differentiation composition operators" in The 24th Annual conference of Jammu mathematical society, at Jammu mathematical society from 14 – 16th May, 2015
4. Sharma Ajay Kumar, presented paper on "On approximation numbers of composition operators" in 2nd National Conference in Mathematics on recent trends in algebra and analysis, at Govt. Gandhi Memorial Science College Jammu from 25th – 26th March, 2015.
5. Sharma Ajay Kumar, presented paper on "Composition operators from Cauchy integral transforms to Dirichlet type spaces" in 2nd national symposium on interdisciplinary sciences, at Govt. Gandhi Memorial Science College Jammu from 27th – 28th Feb. 2015.
6. Raj Kuldip, presented paper on "Some sequence spaces of fuzzy numbers for Orlicz functions and partial metric" in 24th Annual Conference of the Jammu Mathematical Society and National Seminar on Topological Algebraic Analysis, at Department of Mathematics, University of Jammu from 14th – 16th May, 2015.
7. Raj Kuldip, presented paper on "Some Generalized I-convergent sequence spaces of Fuzzy numbers" in 2nd National Conferences in Mathematics on Recent trends in Algebra and Analysis, at Department of Mathematics G.G.M. Science Colleg , Jammu from 25th – 26th March, 2015.
8. Raj Kuldip, presented paper on "On double sequence spaces" in 10th JK Science Congress, at University of Jammu, from 14th – 16th 2015.
9. Raj Kuldip, presented paper on "Some Paranormed double difference sequence spaces for Orlicz functions and Bounded-Regular Matrics" in Two days National Symposium on Interdisciplinary Sciences, at G.G.M. Science College , Jammu, from 27th – 28th February, 2015.
10. Bhogal Sandeep, presented paper on "Estimation of the finite Population Mean for Random Non Response in survey Sampling" in Recent Advances in Statistical Methods and Their Applications in Health Sciences, at Department of Statistics, University of Jammu, Jammu, from 1st – 3rd , 2014.
11. Bhogal Sandeep, presented paper on "Estimation of Population Mean in the Presence of Non-response and Measurement error" in Contemporary Business and Economic Opportunities in North-Western Region-Issues and Challenges, at Faculty of Management, Shri Mata Vaishno Devi University, Kakryal, from 6th March, 2015.
12. Bhogal Sandeep, presented paper on "A General Procedure of Estimating the Population Mean for Random Non Response" in 2nd National Symposium on Interdisciplinary Sciences, at Govt. Gandhi Memorial Science College, Jammu, from 27th -28th February, 2015.
13. Bhogal Sandeep, presented paper on

- “On some problem of a survival distribution and their sequential solutions” in Recent trends in Algebra and Analysis, at Department of Mathematics, Govt. Gandhi Memorial Science College, Jammu, from 25th – 26th March, 2015.
14. Kumar Rakesh, presented paper on “Optimization of a single server Markovian feedback queuing system with retention of impatient customers” in 10th JK Science Congress, at University of Jammu, from 14th -16th March, 2015
 15. Kumar Rakesh, presented paper on “An M/M/1/N Queuing System with Reverse Balking, Reverse Reneging, and Retention of Reneged Customers” in International Conference on Emerging Areas of Mathematics for Science and Technology, at Department of Mathematics, Punjabi University Patiala from 30th January, 2015 to 1st February, 2015
 16. Kumar Rakesh, presented paper on “Travelling Salesman Problem-A case study of Amul Distributor at Jammu” in 1st National Case Study Conference, at SOB, SMVD University, Katra, from 24th – 26th April, 2015.
 17. Singh Surender, presented paper on “Studies on Intuitionistic Fuzzy Information Measure” in International conference of ISITA on “Mathematical Modelling and Information Technologies, at Sri Sai College of Engineering & Technology, Pathankot, Punjab, from 16th – 20th January, 2015.
 18. Singh Surender, presented paper on “On a New Intuitionistic Fuzzy Information Measure using REF” in National Symposium of Interdisciplinary Sciences, at Govt. Gandhi Memorial Science College, Jammu, from 27th – 28th February, 2015.
 19. Sharma Sandeep, presented paper on “Investigating certain properties of different curvature tensor for LP-Sasakian manifold” in National conference in Mathematics on Recent trends in Algebra and Analysis, at GGM Science College, Jammu, J&K, from 2nd – 26th March, 2015.
 20. Sharma Sandeep, presented paper on “Investigating certain properties of different curvature tensor for LP-Sasakian manifold” in 24th Annual conference of the Jammu Mathematical society and a national seminar on Topological algebraic analysis, at University of Jammu, from 14th – 16th May, 2015.
 21. Kumar Rakesh, attended ISTE Workshop on Control Systems, organised by IIT Kharagpur, from 2nd -12th December, 2014 (Two Weeks)

Ph.D. Guided

S. No	Name	Area	Status	Supervisor
1	Neetu Kumari	Algebra	Awarded	Prof. V.K. Bhat
2	Smarti Gosani	Algebra	Awarded	Prof. V.K. Bhat
3	Kiran Chib	Algebra	Submitted	Prof. V.K. Bhat
4	Meeru Abrol	Algebra	Work in progress	Prof. V.K. Bhat
5	Pratiba Bhat	Topology	Work in progress	Dr. A.K. Das

6	Ria Gupta	Topology	Work in progress	Dr. A.K. Das
7	Elina Subhadarsini	Functional Analysis	Work in progress	Dr. Ajay Kumar Sharma
8	Ram Krishan	Functional Analysis	Work in progress	Dr. Ajay Kumar Sharma
9	Seema Jamwal	Functional Analysis	Submitted	Dr. Kuldip Raj
10	Suruchi Pandoh	Functional Analysis	Work in progress	Dr. Kuldip Raj
11	Renu Anand	Functional Analysis	Work in progress	Dr. Kuldip Raj
12	Sumeet Kumar Sharma	Queuing Theory	Awarded	Dr. Rakesh Kumar

Other Academic Visits:

V. K. Bhat visited Department of Mathematics, Kuwait University (28th June – 12th July, 2015) as a visiting expert of the research project no. SM01/15 entitled “Ore extensions over Noetherian Rings” and delivered a series of lectures



School of Physics

FACULTY PROFILE

S. No.	Name of the faculty member	Designation	Qualification	Specialization
1	Dr. Yugal Khajuria	Assistant Professor	Ph.D.	Atomic & Molecular Physics
2	Dr. S.K. Wanchoo	Assistant Professor	Ph.D.	Thin Film
3	Dr. Jitendra Sharma	Assistant Professor	Ph.D.	Polymer Nano-technology
4	Dr. Kamni	Assistant Professor	Ph.D.	Condensed Matter Physics
5	Dr. Vivek Kr. Singh	Assistant Professor	D.Phil.	Laser and Spectroscopy
6	Dr. Vinay Kumar	Assistant Professor	Ph.D.	Materials Science/ Nanotechnology
7	Mr. Pankaj Biswas	Assistant Professor	M.Sc., NET	Electronics
8	Dr. Ram Prakash	Assistant Professor	Ph.D.	Materials Science

PROGRAMMES OFFERED & ENROLLMENT:

B.Tech.	M.Sc.
No	30

DETAILS OF M.SC. (PHYSICS) STUDENTS:

Batch	Admitted Students		
	Male	Female	Total
2014 Entry	10	20	30

DETAILS OF RESEARCH SCHOLARS:

Year 2014-15	Ph.D.		
	Male	Female	Total
Admitted 2014-15	02	03	05
Awarded 2014-15	01 (Thesis Submitted)	0	01
Total presently under supervision	07	05	12*

* Excluding Mr. Pankaj Biswas (Assistant Professor, SOP) as he is registered in SOP for Part time Ph.D. degree.

EXTENSION LECTURES DELIVERED BY OUTSIDE EXPERTS IN THE SCHOOL:

Resource Person	Theme of the Lecture	Date
Padmashree Prof. K.L. Chopra	Nano-science & Nanotechnology	16 th June, 2015
Padmashree Prof. K.L. Chopra	Nurturing Innovations and Entrepreneurship in R&D for Academia	16 th June, 2015

DEGREE AWARDEES:

M.Sc.	Ph.D.
20	01

Names of Ph.D. Degree Awardees: 1. Ankush Kr. Bedyal (Thesis submitted)

RESEARCH PROJECTS INITIATED & COMPLETED BY THE FACULTY:

S. No.	Title of the Project	Funding agency	Amount sanctioned	Status/ Duration
1	Electron Impact single ionization of atoms	CSIR	Rs. 12,00,000	Completed
2	Collision Studies in Atomic and Molecular Physics	DST	Rs. 23,00,000	Ongoing
3	Effect of swift heavy ion irradiations on alkali-alkaline earth based oxides PI: Dr. Vinay Kumar	IUAC (UGC) New Delhi, India	Rs. 7,00,0000/-	Completed / 3 years
4	Development of Nanophosphors: Luminescence and related studies PI: Dr. Vinay Kumar	DST, Govt of India.	Rs. 28,60,000/-	Ongoing / 3 years
5	Alkaline earth based nanophosphors: synthesis, characterization and their luminescence studies PI: Dr. Vinay Kumar	DST, Govt of India.	Rs. 21,00,000/-	Ongoing / 3 years
6	Synthesis and study of electronic structure of transition metal doped and undoped Eu ₂ O ₃ thin films". PI: Dr. Ram Prakash	UGC-DAE Consortium for Scientific Research, Indore India	Rs.6,89,400/-	Ongoing /3 years