

# Academic Year 2017-18, 2016-17 & 2015-16

## RESEARCH PROJECTS 2017-18

Research funds sanctioned and received from various agencies, industry and other organizations				
Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the Academic year
Major projects	(2017-20) Dr. Brijesh Rathi and Dr. Bijendra Singh	DRDO, Ministry of Defence, Govt. Of India	48.2L	Total : 3999657
	(2016-19) Dr. Brijesh Rathi	SERB, Ministry of science & Technology, Govt. of India.	32.89L	
Minor Projects	(2016-18) Dr. Aparna Bansal	UGC, India	6L	3L
Students Research Projects (other than compulsory by the College)	3 years (2015-18)	DBT Star College	47L	None
Any other : Minor Project for summer training for teachers	2 months	Summer Research Fellowship by Indian Academy of Science, Bangalore	-	15000/- per month

FACULTY MEMBERS	YEAR	TITLE OF THE PROJECT	FUNDING AGENCY GRANT RECEIVED	NATURE OF THE PROJECT
Dr Brijesh Rathi	2017-20	Thio-click approach for the synthesis of stable glycomimetic and chiral oxathiacrown ethers	Indo-Hungarian Bilateral Research Grant	DST, Ministry of Science and Technology, Government of India
Dr Brijesh Rathi Dr Bijendra Singh	2017-20	Design and Catalytic Large-Scale Synthesis of New Functionalized Perfluorinated Ketones/Ethers as Potential Fire Extinguishants	GOI Rs. 48.2 lakhs	DRDO, Ministry of Defence, Government of India
Dr Aparna Bansal	2016-18	Structure diversity and Stability of G-rich DNA sequences	UGC Rs. 6.0 lakhs	Major Research Project
Dr Brijesh Rathi	2016-19	A New Class of Anti-Malarials: Constituting New Avenues for Anti-Malarial Therapy	GOI Rs. 32.89 lakhs	DST-SERB, Ministry of Science and Technology, Government of India
Dr Monika Koul	2015-18	Evaluation and analysis of four medicinal plants for their pollution load in wild, cultivated and controlled conditions and response of their bioactive constituents in terms of yield and quality	UGC Rs. 9.8 lakhs	Major Research Project

### Honours & Recognition received by Teachers

Year of award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2017	Dr. Anand Sonkar	Assistant Professor	Best Teacher Award by Grace India Charitable Trust
2018	Dr. Monika Koul	Assistant Professor	Outstanding Women in Science by Venus International Foundation, Chennai
2018	Dr. Archana Singh	Assistant Professor	Early Career Research Award, 2018 by

			DST-SERB, Ministry of science & Technology, Govt. of India.
2017	Dr. Archana Singh	Assistant Professor	Best Researcher Award by Grace India Charitable Trust.
2017	Dr. Vijay Rani Rajpal	Associate Professor	Best Researcher Award by Grace India Charitable Trust.
2017	Dr. Anand Mittal	Associate Professor	33 <sup>rd</sup> Dr. Radha Krishnan Memorial National Teacher Award
2017	Dr. Amit Sehgal	Assistant Professor	Best Poster Presentation Award in Innovation Sciences in INSCR International Conference (IIC 2017)
2018	Dr. Brijesh Rathi	Assistant Professor	The prestigious "Excellence Awards for In Service Teachers for their contribution to academic activities" by University of Delhi.
2016-2019	Dr. Brijesh Rathi	Assistant Professor	Early Career Research Award by Science & Engineering Research Board (SERB), Ministry of Science of Technology, Govt. of India.

## BOOKS PUBLISHED

S.N.	Name of Faculty Member	Name of the Book	ISBN No.	Name of the Publisher	Year of Publication
1	Dr. Rama	हिंदी भाषा और लिपि का विकास	978-93-856-00	अक्षर प्रकाशन एंड डिस्ट्रीब्यूशंस भारत, दिल्ली,	2017
2	Dr. Rama	प्रवासी साहित्य का मूल्यांकन- तेजेंदर शर्मा	978-93-80845-49-4	अनंग प्रकाशन	2017
3	Dr. Rama	जनसंचार माध्यम और स्त्री	978-81-86485-33-0	देव प्रकाशन दिल्ली,	2017
4	Dr. Rama	बिहार का लोक	978-93-80845-43-2	अनंग प्रकाशन	2017
5	Dr. Rama	वर्तमान परिदृश्य और गाँधी	978-93-84280-28-4	संवाद मीडिया प्राइवेट लिमिटेड	2017
6	Dr. Rama	मीडियासिनेमा और , समकालीन विमर्श	-93-978 4-25—85245	शिवालिक प्रकाशन दिल्ली,	2017
7	Dr. Rama	हिंदी रंगमंच	93-85145-26-1	शिवालिक प्रकाशन दिल्ली,	2017
8	Dr. Rama	भारतीय शिक्षा व्यवस्था	978-93-84280-334-5	संवाद मीडिया प्राइवेट लिमिटेड	2017
9	Dr Anand Mittal	Principles of Microeconomics-II	978-81-225-0790-4	Kitab Mahal Publishers – New Delhi	2016
10	Dr Anand Mittal	Introductory Macro Economics	978-81-225-0791-1	Kitab Mahal Publishers – New Delhi	2016
11	Dr Anand Mittal	Indian Eco (Perf. & Policies)	978-81-225-0797-3	Kitab Mahal Publishers	2016
12	Dr Anand Mittal	Principles of Microeco-II	978-81-225-0647-1	Kitab Mahal Publishers	2017
13	Dr Anand Mittal	FEM	978-93-82209-93-5	Scholar Tech Press, MKM Publishers Pvt. Ltd.	2016

14	Dr Anand Mittal	Economics – II	978-93-82209-94-2	Scholar Tech Press, MKM Publishers Pvt. Ltd.	2016
15	Dr Anand Mittal	EVS	978-93-82209-03-04	Scholar Tech Press, MKM Publishers Pvt. Ltd.	2016
16	Dr Anand Mittal	Industrial Economics	978-93-82209-64-5	Scholar Tech Press, MKM Publishers Pvt. Ltd.	2016
17	Dr Anand Mittal	Principles of Macroeconomics – I	978-81225-0632-7	Kitab Mahal Publishers	2016
18	Dr Anand Mittal	Economic Devpt & policy in India	978-81-225-0629-7	Kitab Mahal Publishers	2016
19	Dr Anand Mittal	Money & Banking	978-81-225-0635-8	Kitab Mahal Publishers	2017
20	Dr Anand Mittal	Bharat Mei Arthik Vikas aur Niti – I	978-81-910320-2-4	Scholar Tech Press, MKM Publishers Pvt. Ltd.	2016
21	Dr Anand Mittal	Indian Eco – I	978-81-225-0630-3	Kitab Mahal Publishers	2016
22	Dr Anand Mittal	Indian Eco – II	978-81-225-0656-3	Kitab Mahal Publishers	2017
23	Dr Anand Mittal	Economic Devpt. & Policy in India-II	978-81-225-0642-6	Kitab Mahal Publishers	2017
24	Dr Anand Mittal	Principles of Microeconomics-II	978-81-225-0647-1	Kitab Mahal Publishers – New Delhi	2017
25	Dr Anand Mittal	Principles of Microeconomics	978-81-225-0674-7	Kitab Mahal Publishers – New Delhi	2017
26	Dr Anand Mittal	‘Vyastigat Arthshastra Ke Sidhanth’	978-81-225-0736-2	Kitab Mahal Publishers – New Delhi	2017
27	Dr Anand Mittal	Bharat Me Arthik Vikas Aur Niti – I	978-81-225-0796-6	Kitab Mahal Publishers – New Delhi	2017
28	Dr Anand Mittal	Business Environment	978-93-82209-74-4	Scholar Tech Press, MKM Publishers Pvt. Ltd, New Delhi	2017
29	Dr Anand Mittal	Principles of Economics	978-93-87253131	Kitab Mahal Publishers – New Delhi	2018
30	Dr Anand Mittal	Monetary Economics and Financial Institutions	978-93-87253162	Kitab Mahal Publishers – New Delhi	2018
31	Dr Anand Mittal	“Bharat Mein Arthik Vikas aur Niti II	978-93-87253-11-7	Kitab Mahal Publishers – New Delhi	2018
32	Dr Anand Mittal	Economic Development and policy in India – I	978-81-225-0629-7	Kitab Mahal Publishers – New Delhi	2018
33	Dr Anand Mittal	Introductory Microeconomics	978-81-225-0783-6	Kitab Mahal Publishers – New Delhi	2018
34	Dr Anand Mittal	Money and Banking	978-81-225-0635-8	Kitab Mahal Publishers – New Delhi	2018
35	Dr Anand Mittal	Business Economics and Planning	978-93-87253-27-8	Kitab Mahal Publishers – New Delhi	2018
36	Dr Anand Mittal	Samastigath Arthshastra Ke Sidhanth – II	978-81-225	Kitab Mahal Publishers – New Delhi	2018
37	Dr Anand Mittal	Vyastigat Arthshastra Ke Sidhanth II’	978-81-225	Kitab Mahal Publishers – New Delhi	2018
38	Dr Sandhya Rathore	तर्कसंग्रह	9788120841888	Motilal Banarsidas, Delhi	2018
39	Dr Ranjit Kumar Mishra	स्फोटवाद: एक समीक्षा	9789385539053	Vidyanidhi Prakashan, Delhi	2017
40	Dr Ranjit Kumar Mishra	मिथिला की पंजी व्यवस्था	9789385539274	Vidyanidhi Prakashan, Delhi	2017
41	Dr Ranjit Kumar Mishra	चिक्कन चुनमुन बनक कथा दायक मुहं सुनल कथा	978-812-30-2412-7	Publication Division, Ministry of Information and Broadcasting, Govt of India	2017
42	Dr. Nabanita Chakraborty	Women in Indian Diaspora: Historical narratives and contemporary challenges, Ed Amba Pande	978-981-10-5951-3	Springer	2017
43	Dr. Nabanita Chakraborty	Through the Diasporic lens, Ed Nandini Seen		Authorpress	2017

44	DR. AAMIR RIYAZ	Islamic Metaphysics: With Reference to Mohammad Iqbal and Wittgenstein's Philosophy	978-93-5073-902-0	Education Publishing House	2016
45	DR. AAMIR RIYAZ	LOGICISM	978-3-330-06384-6	LAP LAMBERT	2017
46	Dr. Prachee Dewri	The Progression Cultural Movement : A critical History	978-93-80536-60-6	Sahmat	2017
47	Dr. Meenakshi Malhotra	Representing Self, critiquing society, selections from Women's writing		Worldview	2016
48	Dr. Meenakshi Malhotra	Unveiling Desire Ed Devaleena Das and Colette Morrow	9780813587851	Rutgers University press	2018
49	Dr. Meenakshi Malhotra	Eco criticism and environment Ed Debashree Dattaray and Savita Handa	9789386552754	Primus books	2018
50	Ms. PREETINDER KAUR	Corporate disclosure practices	978-81-928754-2-2	KEYSTONE PUBLISHING HOUSE	2017
51	Dr. Manisha Verma	Financial Sector in India – Issues, Challenges and Opportunities	978-93-86256-91-1	Excel India Publishers	2017
52	Dr. Lokesh Chandra Mishra	Manual of Higher Secondary Biology Laboratory Kit	978-93-5007-786-3	NCERT	2018
53	Dr. Jyoti Bhola	A Comprehensive Textbook of Mathematics for Class XII- Volume 1	9789387702462	Taxmann Publications (P) Ltd.	2018
54	Dr. Jyoti Bhola	A Comprehensive Textbook of Mathematics for Class XII- Volume 2	9789387702745	Taxmann Publications (P) Ltd.	2018
55	Dr. Arvind	Calculus	978-81-7844-311-9	K.K.Publications, Darya Ganj	2018
56	Dr. Ambika	Ceramic Materials: Preparation, Properties and Applications	9789814774307	Pan Stanford Publisher	2018
57	Dr. Ambika	Ruthenium Chemistry	9789814774390	Pan Stanford Publisher	2018
58	Dr. Ambika	Nanotechnology for Sustainable Water Resources	978-1-119-32359-4	Wiley-Scrivener Publishers	2018
59	Dr. Ambika	Biopolymers: Structure, Performance and applications	978-1-53611-846-9	Nova Science Publishers	2017
60	Dr. Ambika	New Polymer Nanocomposites for Environmental Remediation	9780128110331	ELSEVIER	2018
61	Dr. Ambika	Nanocomposites for pollution control, Part 1- Dimensions of Nanocomposites in Pollution Control	9789814774451	Pan Stanford Publisher	2018
62	Dr. Parul Pant	Environmental Studies [Choice Based Credit System (CBCS)] (3rd Edition, 2017)	978-9387957725	Taxmann	2017
63	Dr. Parul Pant	Environmental Science [Choice Based Credit System (CBCS)] Odisha (2017, 2nd Edition)	978-9387957725	Taxmann	2017
64	Dr. Parul Pant	Environmental Science [Choice Based Credit System (CBCS)] Odisha (2017, 1st Edition)	978-9387957725	Taxmann	2017
65	Mr. Hari Mohan Meena	Chemistry Book Inorganic and Organic	978-93-8622-169-8	CPDHE, University of Delhi	2017

66	Chetana jain	Principles of Electromagnetic Theory	ISBN: 978-81-8487-600-0	Narosa Publishing House	2017
67	Dr Vijay rani Rajpal	Gene Pool Diversity and Crop Improvement, Volume 1	978-3-319-27096-8	Springer	2016
68	Dr Vijay rani Rajpal	Gene Pool Diversity and Crop Improvement, Volume 2	978-3-319-27090-6	Springer	2016
69	Dr Vijay rani Rajpal	Genetic Enhancement of Crops for Tolerance to Abiotic Stress: Mechanisms and Approaches, Vol. I	978-3-319-91955-3	Springer	2018
70	Dr Archana Singh	MOLECULAR ASPECTS OF PLANT-PATHOGEN INTERACTION	978-981-10-7370-0	Springer	2018

## RESEARCH PUBLICATIONS

S.N.	Name of Faculty Member	Name of the Research Paper	Year of Publication	Name of the Journal
1	Ms Kapila Mallah	The Willingness to Educate Daughters: Evidence from Urban India	2018	Rajasthan Economic Journal
2	Ms. Sonam	The Need for Fintech in the Indian Microfinance Sector	2018	International Journal of Research in economics and Social Sciences
3	Ms. Sonam	Role of Education and Environment in India's Demographic Dividend	2018	International Journal of Research in economics and Social Sciences
4	Ms. Nabanita Chakraborty	Rhetoric of Deliberation & the space of the Hyphen : Identity politics of Indian women diaspora in the fictions of jhumpa lahiri	2017	Springer
5	Ms. Nabanita Chakraborty	Politics of Language & Science : Bengali muslim diaspora in monica ali's brick lane	2017	Authorspress
6	Dr. Sonal Sharma	Is GARCH(P,Q) BETTER THAN GARCH(1,1) IN FORECASTING VOLATILITY IN THE INDIAN STOCK MARKET	2017	Emerging Issues in Commerce and Business Management ,Department of commerce , Hansraj college
7	Ms. Ruchi	A review of Electronic Payments Adoption in India	2017	Emerging Issues in Commerce and Business Management ,Department of commerce , Hansraj college

8	Dr. Reetika Jain	Techno-Savvy Millennials: A Booming Consumer Segment of India	2018	Effulgence
9	Dr. Reetika Jain	A Review Of Extension And Endorsement Branding Strategies	2017	South Asian Journal Of Marketing & Management
10	Dr. Hema Kapur	Macro Stress Testing of Indian Bank Groups”	2017	Margin—The Journal of Applied Economic Research
11	Dr. Hema Kapur	Macro Stress Testing and Resilience Assessment of Indian Banking”	2018	Journal of Policy Modeling
12	Mr Yogender Dayma	Social processes under the Western Gangas of Karnataka	2018	The Journal of Ancient Indian History
13	Dr. Nabanita Chakraborty	Rhetoric of Memory and politics of Identity: A story of Elif Shafak's The Bastard of Istanbul'	2017	Akademos
14	Dr. Nabanita Chakraborty	Politics of Equivocation and Deferral: Queen Elizabeth I and the execution of Queen Mary of Scotland	2016	Rupkatha Journal
15	Dr Ranjit Kumar Mishra	तनाव-प्रबन्धन और संस्कृत	2017	Global Thought

16	Dr Ranjit Kumar Mishra	वित्तीय-प्रबन्धन और संस्कृत	2017	Global Thought
17	Dr Ranjit Kumar Mishra	आधुनिक विज्ञान और संस्कृत	2017	वाक् सुधा
18	Dr Ranjit Kumar Mishra	पर्यावरण संरक्षण और संस्कृत	2017	वाक् सुधा
19	Dr Ranjit Kumar Mishra	व्याकरण-दर्शन में शब्दार्थ-मीमांसा	2016	वाक् सुधा
20	Ms. PREETINDER KAUR	Corporate governance and voluntary information disclosure	2017	International Journal of Marketing & Financial Management
21	Ms. PREETINDER KAUR	voluntary disclosure practices: an empirical analysis of financial and non- financial information	2017	International Journal of Marketing & Financial Management
22	Dr. Meghna Malhotra	Analysis of Spillover Effects of Foreign Direct Investment in Indian Manufacturing Industries using Malmquist Index	2018	World Finance Conference at Cagliari University Sardinia, Italy
23	Chetana Jain	Thermonuclear X-ray burst of MXB 1658-298 with NuSTAR	2018	JAA
24	<u>Dinesh Kumar Gautam</u>	Interaction studies of carbon monoxide and iron porphyrins in ionic liquids.	2016	DU Journal of Undergraduate Research and Innovation
25	Lokesh Chandra Mishra	In vitro and In vivo evaluation of folate-mediated tumor cell targeting of Cytrabine	2018	International Journal of advance research in Science and Engineering
26	Pradeep Kumar	"Mapping the conduction band edge density of states of $\gamma$ -In <sub>2</sub> Se <sub>3</sub> by diffuse reflectance spectra"	2018	Journal of Applied Physics

27	Namrata Dewan Soni	SAW propagation characteristics of TeO <sub>3</sub> /3C-SiC/LiNbO <sub>3</sub> layered structure	2018	Mater. Res. Express
28	Maya Verma	Influence of lone pair on structural and electrical properties of Sb substituted Bismuth layered SrBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> ceramics”	2018	Materials Chemistry and Physics
29	Bhavna Vidhani	Positronium under harmonic and plasma confinement”	2018	AIP Conference Proceedings
30	Bhavna Vidhani	Thermal properties of adsorbed molecule in external field	2018	AIP Conference Proceedings
31	Amit Sehgal	Green Energy Based Portable Embedded System Solutions For Remote Area Applications	2017	INSCR International Conference
32	<u>Vandana K. Singh</u>	Ras-ERT-ETS inhibition alleviates neuronal mitochondrial dysfunction by reprogramming mitochondrial retrograde signaling	2018	PLOS Genetics
33	<u>Dinesh Kumar Gautam</u>	Nutrition Versus Functional Respiratory Capacity: A Cardinal Interplay.	2017	FASEB Journal 31:1b832
34	<u>Lokesh C Mishra</u>	Modified benzoxazolone derivative as 18 kDa TSPO Ligand.	2017	<u>Chemical Biology &amp; Drug Design</u>
35	<u>Kaveri Chakrabarty</u>	Nutrition Versus Functional Respiratory Capacity: A Cardinal Interplay.	2017	FASEB Journal 31:1b832
36	Dr. Preeti Dharmarha	V-shaped Toeplitz operators	2017	International Journal of Pure and Applied Mathematics
37	Dr. Rakesh Batra	Fixed points for (G,φ)-contractions in vector metric spaces endowed with a graph	2017	FILOMAT



38	Dr. Rakesh Batra	Common fixed points for F-dominated mappings	2017	Global Journal of Pure and Applied Mathematics
39	Dr. Rakesh Batra	A generalized contraction principle under w-distance for a partially ordered metric space	2017	Bulletin of the Malaysian Mathematical Sciences Society
40	Dr. Rakesh Batra	Fixed points in an intuitionistic menger space	2018	Jordan Journal of Mathematics and Statistics
41	Dr. Mukund Madhav Mishra	Neumann Problem on the Heisenberg group $H_n$	2016	Potential Analysis, Springer
42	Dr. Arvind	Pairing - friendly elliptic curves of embedding degree 1 and applications to cryptography	2017	Italian Journal of Pure and Applied Mathematics
43	Dr. Brijesh Rathi	Multistage Inhibitors of Malaria Parasite: Emerging Hope for Chemoprotection and Malaria Eradication	2018	Med. Res. Rev.
44	Dr. Brijesh Rathi	Biochemical Characterization of Unusual Cysteine Protease of <i>P. falciparum</i> , Metacaspase-2 (MCA-2)	2018	Mol. Biochem. Parasitol.
45	Dr. Brijesh Rathi	Synergistic blending of high-valued heterocycles inhibits growth of <i>Plasmodium falciparum</i> in culture and <i>P. berghei</i> infection in mouse model	2017	Sci. Rep.
46	Dr. Brijesh Rathi	An Overview of Currently Available Antimalarials	2017	Curr. Topics Med. Chem.
47	Dr. Brijesh Rathi	Effect of Oxygen Ion Irradiation on the Structural and Optical Properties of L-Arginine Acetate Single Crystals	2017	Recent Trends in Material Science and Application

48	Dr. Brijesh Rathi	New Avenues in Controlling Infectious Diseases	2017	Curr. Topics Med. Chem.
49	Amit Kumar Rawat	Highly efficient synthesis of aryldipyrromethanes in presence of brønsted acidic ionic liquids	2018	Heterocyclic Letters
50	Amit Kumar Rawat	Utilization of Delhi's garden waste for environmental remediation	2018	Journal of Applied Physics
51	Amit Kumar Rawat	Solvatochromism, anion binding and electrochemistry in 5,15-porphodimethenes	2018	Dyes and Pigments
52	Mr. Surendra Kumar	Synthesis and characterization of tris-(4-phenoxyphenyl) amine by conventional method	2017	Chem Sci Trans.
53	Dr. Manoj Kumar	Utilization of Delhi's Garden Waste for Environmental Remediation	2018	Journal of Applied Physics
54	Dr. Manoj Kumar	Electrochemical properties and anti-bacterial activity of polyvinyl chloride supported silver molybdate ion-exchange composite membrane	2018	Journal of Membrane Science and Research
55	Dr. Shweta Rastogi	"Sustainable Alternative Solvents and their application in lab experiments for undergraduate students" in the UGC sponsored national conference on "Innovations in Chemistry Laboratory Teaching" published as conference proceedings	2017	"Innovations in Chemistry Laboratory Teaching" published as conference proceedings
56	Dr. Aparna Bansal	Non-viral vectors for gene delivery.	2017,	Nanosciens and Nanotechnology Asia
57	Mr. Hari Mohan Meena	Solar briefing-solar Community Engagement Strategies for Planners	2017	International Journal of Applied Environmental Science

58	Mr. Hari Mohan Meena	Water Pollution in India: Its Impact on the Human Health: Causes and Remedies	2017	International Journal of Applied Environmental Sciences
59	Mr. Hari Mohan Meena	Introduction and Application of Nanochemistry	2017	Research Magma An International Multidisciplinary Journal
60	Mr. Hari Mohan Meena	Green Chemistry and its Applications	2017	Research Magma An International Multidisciplinary Journal
61	Mr. Hari Mohan Meena	The Role of Chemistry in Biological Systems	2017	Research Magma An International Multidisciplinary Journal
62	Dr. Chetna Gupta	Engineered magnetic nanoparticles as efficient sorbents for wastewater treatment: a review	2017	Materials Research Innovations
63	Dr. Parul Pant	Engineered magnetic nanoparticles as efficient sorbents for wastewater treatment: a review	2017	Materials Research Innovations
64	Dr. Harmeet Kaur	A novel framework to improve the performance of crowdfunding platforms	2018	ICT Express, Elsevier
65	Dr. Harmeet Kaur	Dynamics of Pledge Behavior of Crowdfunded Projects	2017	International Journal of Information Technology Project Management (IJITPM)

66	Dr. Baljeet Kaur	A Hybrid of Clustering and Quantum Genetic Algorithm for Relevant Genes Selection for Cancer Microarray data,	2016	International Journal of Knowledge-based and Intelligent Engineering Systems
67	Dr. Manoj Agarwal	Bi-objective Approach for Computer-aided Diagnosis of Schizophrenia Patients using fMRI Data	2018	Multimedia Tools and Applications
68	Dr Vijay rani Rajpal	Seed protein fraction electrophoresis in peanut ( <i>Arachis hypogaea</i> L.) accessions and wild species.	2018	Physiology and Molecular Biology of plants 24:465-481
69	Dr Monika Koul	DBT Star College Scheme: A positive intervention in capacity building in colleges	2017	Current Science
70	Dr Ishwar Singh	Antimicrobials in higher plants: Classification, mode of action and bioactivities	2017	Chemical Biology Letters
71	Dr Archana Singh	In silico prediction of active site and in vitro DNase and RNase activities of Helicoverpa-inducible pathogenesis related-4 protein from <i>Cicer arietinum</i>	2018	International Journal of Biological Macromolecules
72	Dr Archana Singh	Helicoverpa-inducible Thioredoxin h from <i>Cicer arietinum</i> : structural modeling and potential targets	2018	International Journal of Biological Macromolecules
73	Dr Archana Singh	Genome-wide identification of the MAPK gene family in chickpea and expression analysis during development and stress response	2018	Plant Gene
74	Dr Archana Singh	Protease inhibitors: recent advancement in its usage as a potential biocontrol agent for insect pest management	2018	Insect Science

75	Dr Archana Singh	In-Silico Drug discovery approach targeting receptor tyrosine kinase-like orphan receptor 1 for cancer treatment	2017	Scientific Reports
76	Dr Archana Singh	Expression profiling of mitogen-activated protein kinase genes from chickpea ( <i>Cicer arietinum</i> L.) in response to <i>Helicoverpa armigera</i> , wounding and signaling compounds	2017	Journal of Asia-Pacific Entomology
77	Dr Archana Singh	Transport of chemical signals in systemic acquired resistance	2017	Journal of Integrative Plant Biology
78	Dr Archana Singh	Mechanistic insights into mode of action of rice allene oxide synthase on hydroxyperoxides: An intermediate step in herbivory-induced jasmonate pathway	2016	Computational Biology and Chemistry
79	Dr Archana Singh	Recent insights into the molecular mechanism of jasmonate signaling during insect-plant interaction	2016	Australasian Plant Pathology

**Details of Major/Minor Research Projects during the last two years(2016-17 & 2015-16)**

<b>S.No</b>	<b>Name of Faculty</b>	<b>Year</b>	<b>Funding Agency grant Received</b>	<b>Title of the Project</b>	<b>Nature of the Project</b>
<b>BOTANY</b>					
1.	PI: Dr Vijay Rani Rajpal Co-PI: Dr Anand Sonkar	2014-17	National Medicinal Plant Board 27.973L	Autotetraploid induction, Ensuing Heteroploid Hybridization and Associated Rapid DNA changes as a possible Means of Genetic improvement of the Diploid <i>Tinospora cordifolia</i> and <i>T. sinensis</i>	Major Research Project
2.	Dr Monika Koul	2015-18	UGC-MRP 9.8L	Evaluation and analysis of four medicinal plants for their pollution load in wild, cultivated and controlled conditions and response of their bioactive constituents in terms of yield and quality	Major Research Project
3.	Dr Archana Singh	2013-16	DST-SERB 18.25L	Cloning and functional characterization of <i>Helicoverpa</i> –inducible Hevein-like-protein from chickpea	Major Research Project
<b>CHEMISTRY</b>					
4.	Dr Brijesh Rathi	2016-19	SERB, Ministry of Science and Technology, Government of India 32.89 L	A New Class of Anti-Malarials: Constituting New Avenues for Anti-malarial Therapy,	Major Research Project
5.	Dr Brijesh Rathi Dr Bijendra Singh	2017-20	DRDO, Ministry of Defence, Government of India 48. 2 L	Design and Catalytic Large-Scale Synthesis of New Functionalized Perfluorinated Ketones/Ethers as Potential Fire Extinguishants	Major Research Project
6.	Dr Aparna Bansal	2016-18	UGC 6 L	Structure diversity and Stability of G-rich DNA sequences	Major Research Project
7.	Dr Brijesh Rathi	2015-17	Department of Science and	Conjugates and Analogues of Antiviral	Major Research

			Technology, Ministry of Science and Technology, Government of India 24.28 L	Compound AUY1	Project
8.	Dr Brijesh Rathi	2017- 20	Indo-Hungarian Bilateral Research Grant, Department of Science and Technology, Ministry of Science and Technology, Government of India	Thio-click approach for the synthesis of stable glycomimetics and chiral oxathiacrown ethers	Major Research Project
<b>COMMERCE</b>					
9.	Dr Manjit Saggi	2013- 17	UGC Rs. 7,14,600	XBRL-based Corporate Disclosure Practices in India- Opportunities and Challenges	Major Research Project

<i>The details of the Innovation Projects sanctioned in the college during the last two years</i>					
<b>S.No</b>	<b>Faculty Members</b>	<b>Year-Duration</b>	<b>Funding agency &amp; Grant received</b>	<b>Title of the Project</b>	<b>Departments Involved</b>
1.	Mr Sushil Kumar Dr Pradeep Kumar Dr Mona Bhatnagar Dr Bijendra Singh	2015-16	DU HRC 301 Rs. 5 lakhs	Masses of charmonium states in isospin asymmetric strange hadronic matter and their implications in heavy ion collision experiments	Physics, Electronics &Chemistry
2.	Dr Romila R. Bisht Dr V.S. Sajwan Dr Shivani Agarwal Dr Shalini K. Love	2015-16	DU HRC 302 Rs. 4.5 lakhs	Development of mobile based application for the real time localization and identification of selected flora in University of Delhi	Botany &Physics

3.	Dr Ambika Dr Anjali Saxena Dr Vijay Rani Rajpal	2015-16	DU HRC 303 Rs. 3.5 lakhs	The extraction and utilization of natural pigments in cosmetics	Chemistry & Botany
4.	Dr Arvind Mr Brij Mohan Ms. Divya Kwatra	2015-16	DU HRC 304 Rs. 5 lakhs	Study and security analysis of smart cards	Mathematics & Computer Science
5.	Dr Kaveri Chakrabarty Dr Dinesh K Gautam Dr Satyakam Guha	2015-16	DU HRC 305 Rs. 5 lakhs	Nutritional profiling and its correlation with functional respiratory capacity in soldiers/volunteers"	Zoology & Botany
6.	Dr Manoj Kumar Dr Anand Sonkar Dr Amit Rawat Dr Amar Kumar	2015-16	DU HRC 306 Rs. 5 lakhs	Utilization of Delhi Garden waste for renewable and sustainable energy production	Chemistry & Botany
7.	Dr Harmeet Kaur Dr Baljeet Kaur Mr Dibyajyoti Das	2015-16	DU HRC 307 Rs. 7.5 lakhs	Device for Uniquely abled (DUA)	Computer Science & Physics
8.	Dr Shweta Rastogi Dr Brijesh Rathi Dr Himanshu Dr Pooja Arora	2015-16	DU HRC 308 Rs. 6 lakhs	Engineered biocompatible organic nanoarchitectures: A new paradigm for disinfections	Chemistry & Zoology
9.	Dr Pratibha Tewari Dr Maya Verma Dr Hema Chutani	2015-16	DU HRC 309 Rs. 5 lakhs	Development of visible light activated photocatalyst for water treatment	Chemistry & Physics
10.	Dr Amit Sehgal Dr Sukhbinder S. Rait Dr Namrata Soni	2015-16	DU HRC 310 Rs. 5 lakhs	Emergency management solutions: Design of solar based eco-friendly, efficient and portable lighting /Power water conditioning and thermo-electric solutions	Electronics & Physics
11.	Dr Ishwar Singh Dr Monika Kaul Dr Avnish	2015-16	DU HRC 311 Rs. 4 lakhs	Study of germicidal properties of fumes generated in <i>havan (Yajna)</i> in order to assess potentiality	Botany & Sanskrit



				of havan in curing some infections and air borne diseases	
12.	Dr Chetna Gupta Dr Parul Pant Dr Farhat Jahan	2015-16	DU HRC 312 Rs. 5 lakhs	Synthesis of drug doped silica nanoparticles for bioimaging and therapeutic applications	Chemistry & Zoology
13.	Dr Lokesh C. Mishra Dr Archana Singh Dr Jyoti Bhola	2015-16	DU HRC 313 Rs. 3.5 lakhs	Critical and scientific analysis on use of alternative medicines with practical approach and case studies	Zoology, Botany & Mathematics

***Award Winning Projects selected for Research Display at Viceregal Lodge, University of Delhi***

<b>S.No</b>	<b>Faculty Members</b>	<b>Year-Duration</b>	<b>Funding agency &amp; Grant received</b>	<b>Title of the Project</b>	<b>Departments Involved</b>
1.	Dr Ambika Dr Anjali Saxena Dr Vijay Rani Rajpal	2015-16	DU HRC 303 Rs. 3.5 lakhs	The extraction and utilization of natural pigments in cosmetics	Chemistry & Botany
2	Dr Ishwar Singh Dr Monika Kaul Dr Avnish	2015-16	DU HRC 311 Rs. 4 lakhs	Study of germicidal properties of fumes generated in <i>havan</i> ( <i>Yagna</i> ) in order to assess potentiality of havan in curing some infections and air borne diseases	Botany & Sanskrit
3	Dr Harmeet Kaur Dr Baljeet Kaur Mr Dibyajyoti Das	2015-16	DU HRC 307 Rs. 7.5 lakhs	“Device for Uniquely abled (DUA)”	Computer Science & Physics

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**Awards Received by the Faculty during the last two years**

<b>S.No</b>	<b>Faculty Name</b>	<b>Details</b>
<b>BOTANY</b>		
1.	Dr Archana Singh	Awarded with Raman Fellowship, An Indo-US initiative for research sponsored by University Grant Commission (2016)
2.	Dr Ishwar Singh and Dr Monika Koul	Best Poster Presentation Award to the Innovation Project HRC 311 by Research Council, University of Delhi
3.	Dr Vijay Rani Rajpal	<ul style="list-style-type: none"> <li>• Best Poster Award (2016) for innovation Project HRC-303 at University of Delhi</li> <li>• Certificate of Appreciation for the Innovative Project entitled "Extraction and utilization of natural pigments in cosmetics" (HRC-303), in the "Research Display at University Convocation Ceremony" organised by University of Delhi, 2016</li> </ul>
4.	Dr S. Shweta	Awarded best poster presentation in International Association of Plant Taxonomy 2016, University of Calicut
<b>CHEMISTRY</b>		
5.	Dr Manoj Kumar Dr Aparna Garg	Best Innovative Idea Award of Delhi University, 2015
6.	Dr Manoj Kumar, Dr Amit Kumar Rawat	Best Poster Award on "Utilization of Delhi's Garden and Horticultural Waste for Environmental Remediation and Energy Production" in International conference, 2016
7.	Dr Anjali Saxena, Dr Ambika	<ul style="list-style-type: none"> <li>• Best Poster Award " for the Innovative Project entitled "Extraction and utilization of natural pigments in cosmetics" (HRC-303), 2016</li> <li>• Certificate of Appreciation for the Innovative Project entitled "Extraction and utilization of natural pigments in cosmetics" (HRC-303), in the "Research Display at University Convocation Ceremony" organised by University of Delhi, 2016</li> </ul>
8.	Dr Brijesh Rathi	<ul style="list-style-type: none"> <li>• Early Career Research Award (2016-19) by Science and Engineering Research Board (SERB), Ministry of Science and Technology, Govt. of India</li> <li>• UGC-Raman International Fellowship (2016-17) by Ministry of Human Resources and Development, Govt. of India</li> <li>• Felicitated by Cabinet Minister Dr Harsh Vardhan, Govt. of India, for his contributions as co-ordinator of IISF-2015</li> </ul>
9.	Dr Chetna Gupta Dr Parul Pant	Awarded Second Prize in Poster presentation in the Innovation Conclave -2016, organized by Acharya Narendra Dev College, University of Delhi, during October 25th -26th, 2016.
<b>COMMERCE</b>		
10.	Dr Beauty Das	Awarded Scholarship for the Faculty Training Program (2015-2016) by University of Delhi, at University of Birmingham, United Kingdom.
11.	Dr Sneha Suri	Overall Best Performance M.Sc Accounting and Finance, Award by University of Nottingham U.K
12.	Ms Ritika Seth	<ul style="list-style-type: none"> <li>• Awarded with Third Prize in the Best paper award for presenting a research paper titled "Exploring Market Efficiency, Inter-Linkages and Volatility</li> </ul>

		<p>Transmission of Stock Markets across Vital Regions of the World” in the National Finance Conference on Financial Sector Reforms and</p> <ul style="list-style-type: none"> <li>• Economic Growth: Issues and Challenges organized by Lal Bahadur Shastri Institute of Management, New Delhi on 11-12<sup>th</sup> March 2016.</li> <li>• Awarded with Best paper award for presenting a research paper titled “Market Efficiency, Inter-Linkages and Volatility Transmission of stock markets of SAARC countries” at National Seminar on Changing Business and Economic Environment organized by Sri Aurobindo College, D.U. on 26-27<sup>th</sup> February 2016.</li> </ul>
13.	Dr Meghna Malhotra	Best Research Paper Award at National Seminar, “Emerging issues in Business and Management”, organized by Department of Commerce, Hansraj College University of Delhi on 7 <sup>th</sup> January 2017.
14.	Mr Ashutosh Yadav	Best paper Award in International Conference on "Business Process Re-engineering for Sustainability and Climate Change: Issues & Perspectives" on February 26, 2017 at Convention Center, JNU, Delhi.
<b>COMPUTER SCIENCE</b>		
15.	Dr Harmeet Kaur Dr Baljeet Kaur	Best Poster Award (2016) for Innovation Project HRC-307 (DUA - Device for Uniquely Abled) at University of Delhi
<b>ECONOMICS</b>		
16.	Ms. Kapila Mallah	The Scholarship Award, University of Nottingham, UK
17.	Dr Anil Kokrady	<i>Mahatma Hansraj Shiksha Ratna Samman</i>
18.	Mrs. Anita Balani	<i>Mahatma Hansraj Shiksha Ratna Samman</i>
<b>HISTORY</b>		
19.	Mayurakshi Kumar	Prof. Mohan Kumar Mathur Memorial Young Achievers Award 2015, Central Indian Historical Research Foundation, Gwalior
20.	Sharmita Ray	Professor PS Gupta and JC Jha Memorial Prize- Award for Best Paper in the Section on “Modern Indian and Countries Other than India” for paper presented in the 76 <sup>th</sup> Session of the Indian History Congress, University of Gour Banga, Malda, December, 2015. Awarded in December 2016, 77 <sup>th</sup> Session, Kerala.
<b>PHYSICS &amp; ELECTRONICS</b>		
21.	Dr Mona Bhatnagar	<ul style="list-style-type: none"> <li>• Best Teacher Award (Dr S. Radhakrishnan Memorial National Teacher &amp; Media Network Award – 2016)</li> <li>• Women Excellence Award in Education</li> </ul>
22.	Dr Amit Sehgal	<ul style="list-style-type: none"> <li>• Project titled Designing and Optimization of Auto-Tracking Solar Energy based Energy Conversion Module for Rechargeable Appliances funded under Innovation Project Scheme, University of Delhi was awarded with Best Innovation Idea in Antardhvani Festival (University of Delhi Festival) 2015.</li> <li>• Awarded Content Developer and Content Designer for Good Practices Stall of Hansraj College, University of Delhi at Antardhvani Festival February 20-22, 2015.</li> </ul>

		<ul style="list-style-type: none"> <li>Project titled Emergency Management Solutions: Design of Solar based Eco-Friendly, Efficient, and Portable Lighting/Power, Water Conditioning and Thermo-electric Solutions funded under Innovation Project Scheme, University of Delhi was awarded with Appreciation Award in 94th Foundation Day of University of Delhi on May 01, 2016</li> </ul>
23.	Dr Namrata Soni	Project titled Emergency Management Solutions: Design of Solar based Eco-Friendly, efficient, and Portable lighting/Power, water conditioning and Thermo-electric Solutions funded under Innovation project scheme, by University of Delhi was awarded with appreciation Award in 94th Foundation Day of University of Delhi on May 01, 2016.
24.	Dr Amit Sehgal Dr Namrata Soni Dr Sukhbinder Singh Rait	Project titled Emergency Management Solutions: Design of Solar based Eco-Friendly, Efficient, and Portable Lighting/Power, Water Conditioning and Thermo-electric Solutions funded under Innovation Project Scheme, University of Delhi was awarded with Appreciation Award in 94th Foundation Day of University of Delhi on May 01, 2016.
25.	Mr Dibyajyoti Das	Best Poster Award (2016) for Innovation Project HRC-307 (titled: DUA - Device for Uniquely Abled) at University of Delhi
<b>ZOOLOGY</b>		
26.	Dr Vandana Kumari Singh	<ul style="list-style-type: none"> <li>Awarded scholarship for the Faculty Training Program, 2015-2016, University of Delhi, At Kings College London, UK.</li> <li>Dr Vandana Kumari Singh Served as Principal investigator of the Innovation Project “Comprehension of Ethnic Practices of Selected Indian Tribes as Pro-ecological Customs and Their Deviation from the Stream” Code-HR 203, which was awarded as “Best Display” at “Antardhvani, 2015” University of Delhi.</li> </ul>
27.	Dr Farhat Jahan	<ul style="list-style-type: none"> <li>Dr Farhat Jahan and research co-workers awarded Second Prize in Poster presentation in the Innovation Conclave -2016, organized by Acharya Narendra Dev College, University of Delhi, during October 25th -26th, 2016.</li> <li>Dr Farhat jahan and her team received appreciation Award for organizing cultural program at the International Conference on Innovating Education in Asia held on October, 31 st to November, 2nd, 2015 at Hansraj College, University of Delhi.</li> </ul>
28.	Dr Lokesh Chandra Mishra	<ul style="list-style-type: none"> <li>Received honor from Vidya Bhaarti Akhil Bhartiya Shiksha Sansthan on the occasion of “Shikshak Sammaan Samaroh” on 7.05.16 by “Hindu Shiksha Samiti Nyaas”, Delhi</li> </ul>

### Books / Research Paper published (2015-16)

S. No.	Name of the Faculty member	Name of the book	Name of the research paper
1	Dr. Aamir Riyaz	Islamic Metaphysics : With Reference to Mohammad Iqbal and Wittgenstein's Philosophy	1. Wittgenstein and Islamic Concept of Religious Belief 2. Mera Payam
2	Dr. Meenakshi Malhotra	Representing Self, Critiquing Society : Selected	--

		Lifewritings by Women	
3	Dr. Rama, Dr. Vijay Kumar Mishra, Mr. Mahendra Prajapati	मध्यकालीन हिन्दी साहित्य और समाज	--
4	Dr. Rama, Dr. Vijay Kumar Mishra, Mr. Mahendra Prajapati	मध्यकालीन हिन्दी काव्य परिदृश्य	--
5	Dr. Anand Mittal	1. Economic Development and policy in India – I 2. Money and Banking 3. Bharat Mei Arthik Vikas aur Niti – I 4. Indian Economy – I 5. Principles of Macro Economics – I 6. Introductory Microeconomics 7. Economics – I 8. Vyashtigat Arthshastra ke sidhant 9. Principles of Microeconomics – II 10. Introductory Macro Economics 11. Indian Economy Performance and Policies 12. Foreign exchange management 13. Economics – II 14. Environmental Studies 15. Industrial Economics 16. Principles of Marco Economics – I	--
6	Ms. Shailu Singh	--	The Innovation-R7D nexus: evidence from the Indian manufacturing sector
7	Mr. Avnish Kumar	--	Fillmore's Linguistic speculations and Sanskrit
8	Dr. Vijay Kumar Mishra	--	मध्यकालीन हिन्दी साहित्य में सामाजिक सद्भाव
9	Dr. Rama	--	रीतिकाल की श्रृंगारिकता और नारी विषयक दृष्टि
10	Dr. N. G. Sharma	--	रीतिकाल: श्रीगारेतर चिंतन की चुनौती
11	Mr. Mahendra Prajapati	--	रीतिमुक्त काव्यधारा की प्रवृत्तियां
12	Dr. Sunil Kumar Sudhanshu	--	तुलसी काव्य में जनवादी चेतना
13	Dr. Neetu Sharma	--	कबीर की भक्ति भावना

### List of Books / Research Paper published in 2015-16 by Faculty Members – Science Teachers

S. No.	Name of the Faculty member	Name of the book	Name of the research paper
1	Swati Gupta	Electronics Practical	--
2	Parul Pant	Environmental Studies	--
3	Parul Pant	Environmental Science	--
4	Monika Koul	Fun with Botany	--
5	Able Hutten	Biology Programme for S5 for upper secondary science	--
6	Ishwar Singh		Nanobiotechnology: applications and risks in human-health sector
7	Ambika	--	1. Synthesis of 3,4-dihydropyrimidin-2(1H)-ones derivatives of acid sensitive aldehydes catalyzed by lanthanum nitrate in ionic liquids. 2. Solvent free synthesis of 1,5-benzodiazepines catalyzed by zirconium nitrate. 3. Interaction studies of carbon monoxide and iron porphyrins in ionic liquids.
8	Pooja Arora	Biology Programme for S5	1. Innate and humoral recognition of the products of cell death: Differential antigenecity and immunogenecity in lupus. 2. Elucidation of the potential disease-promoting influence of IgM apoptotic cell-reactive antibodies in lupus. 3. Endogenous humoral autoreactive immune responses to apoptotic cells: Effects on phagocytic uptake, chemotactic

			migration and antigenic spread
9	Manju Sardana	--	A hybrid of clustering and quantum genetic algorithm for relevant genes selection for cancer microarray data
10	Baljeet Kaur	--	1. A Hybrid of Clustering and Quantum Genetic Algorithm for Relevant Genes Selection for Cancer Microarray data. 2. An incremental Feature Selection approach based on Scatter Matrices for Classification of Cancer Microarray data.
11	Sunita Yadav	--	1. Does N-Nitrosomelatonin compete with S-Nitrosothiols as a long distance nitric oxide carrier in plants? 2. Nitric oxide accumulation and protein tyrosine nitration as a rapid and long distance signalling response to salt stress in sunflower seedlings
12	Tanuj Dhawan	--	Crystalline to amorphous phase transformation of Ta <sub>2</sub> O <sub>5</sub> quantum dots driven by residual stress
13	Renu Parashar	--	Environmentally benign Iodometric method for estimation of copper
14	Chetna Gupta	--	1. Magnetic Iron oxide Nanoparticles encapsulating horse radish peroxidase (HRP) : Synthesis, Characterizations and Carrier for the generation of free radicals for potential applications in Cancer therapy. 2. Comparative study of antibacterial activity of standard antibiotic with silver nanoparticles synthesized using ocium tenuiflorum and garcinia mangostana leaves
15	Jyoti Singh	--	Interaction of CdSe Quantum dots with some aliphatic and aromatic diamines
16	Shweta Rastogi	--	1. Controlled Aqueous Phase Synthesis of Gold Nanoparticles using Fruit extract of Momordica charantia. 2. Size and shape-dependent clinical and mycological efficacy of silver nanoparticles on dandruff. 3. Nanoparticle based delivery of quercetin for the treatment of CCl <sub>4</sub> mediated Liver Cirrhosis in rats. 4. Modulation of liver and kidney toxicity by herb withania somnifera for silver nanoparticles: a novel approach for harmonizing between safety and use of nanoparticles
17	Brijesh Rathi	--	1. Functionalized organic frameworks explored as second order NLO agents 2. Design, synthesis and biological evaluation of functionalized phthalimides : A new class of antimalarials and inhibitors of falcipain-2, a major hemoglobinase of malaria parasite.
18	Taruna Sinigh	--	Functionalised organic frameworks explored as second order NLO agents
19	Amit Kumar Rawat	--	Efficient Green Methodology reported for the Biginell reaction
20	Surendra Kumar	--	Synthesis and characterization of conjugated tris (4 Phenoxyphenyl) amine by conventional method
21	Sunil Yadav	--	1. Manganese complexes of Pyrrole- and indolecarboxamide ligands: Synthesis, Structure, Electrochemistry, and applications in oxidative and lewis acid assisted catalysis. 2. Pd(II) complexes with amide based macrocycles : synthesis, properties and applications in cross coupling reactions. 3. Cobalt Complexes of pyrrolecarboxamide ligands as catalysts in nitro reduction reactions: influence of electronic substituents on catalysis and mechanistic insights
22	Mohd. Haneif	--	1. Near Infrared-Spectroscopy for Determination of Carbon and Nitrogen in Indian Soils. 2. Natural regeneration dynamics of dominant tree species along an altitudinal gradient in three different forest covers of Darhal watershed in north western Himalaya (Kashmir), India. 3. Tolerance of Mitragnyna parvifolia (Roxb.) Korth. seedlings to NaCl salinity.
23	Mukund Madhav Mishra	--	The Neumann Problem for the Kohn Laplacian on the Heisenberg Group H <sub>n</sub>
24	Jaya Malhotra	--	Microbial and genetic ecology of tropical Vertisols under

			<u>intensive chemical Farming</u>
25	Shweta Subramaniam	--	<ol style="list-style-type: none"> <li>1. A revised circumscription of the species in Bracteatae complex (section <i>Calycinae</i>) in the genus <i>Crotalaria</i> L.: evidence from nuclear and chloroplast markers.</li> <li>2. Systematics and adaptive significance of seed morphology in <i>Crotalaria</i> L. (Fabaceae).</li> <li>3. A New Species of <i>Crotalaria</i> (Fabaceae, Crotalarieae) from Meghalaya, India.</li> <li>4. Two New Species of the legume genus <i>Crotalaria</i> (Fabaceae, Crotalarieae) from Maharashtra, India.</li> <li>5. Molecular systematics of Indian <i>Alysicarpus</i> (Fabaceae) based on analyses of nuclear ribosomal DNA sequences.</li> <li>6. Two new records of <i>Crotalaria</i> to the flora of Himachal Pradesh</li> </ol>
26	Vijay Rani Rajpal	--	<ol style="list-style-type: none"> <li>1. Quantitative Estimation of Berberin using TLC and HPLC in <i>Tinospora cordifolia</i>, <i>T.sinensis</i> and <i>T. crispa</i>.</li> <li>2. "Herbal Cosmetics" with anticancer and antimicrobial properties.</li> <li>3. Quantitative trait loci mapping in plants: Concepts and Approaches</li> </ol>
27	Rakesh Batra	--	"Fixed point theorems under $\mathcal{W}$ -distance on a metric space endowed with a graph"
28	Bhavna Vidhani	--	Photoionization of Hydrogenic Impurity in spherical Quantum Dot in presence of Gaussian Potential
29	Sushil Kumar	Basic Concept of calculus of variations	<ol style="list-style-type: none"> <li>1. Factors affecting beta decay life-time of the isotopes.</li> <li>2. Systematics of Ground State Lifetime for Beta Decay.</li> </ol>

#### List of Books / Research Paper published in 2015-16 by Faculty Members – Commerce Teachers

S. No.	Name of the Faculty member	Name of the book	Name of the research paper
1	Manisha Verma	Contemporary Issues in Corporate Governance	<ol style="list-style-type: none"> <li>1. Bilateral Trade Between India and Pakistan – A Study of Automobile Sector</li> <li>2. Barriers to Trade Between India and Pakistan</li> </ol>
2	Beauty Das	<ol style="list-style-type: none"> <li>1. Human Resource Management : Theory and Practices</li> <li>2. Development of Human Resource</li> <li>3. International Business</li> </ol>	Contemporary Issues and Trends Affecting a Modern Day Business
3	Sonal Gupta	--	<ol style="list-style-type: none"> <li>1. Paperless Society – From Vision to Fulfillment</li> <li>2. Beekeeping in Haryana and Uttar Pradesh : A Comparative Study</li> </ol>
4	Meghna Malhotra	--	<ol style="list-style-type: none"> <li>1. Developing a Framework for Spillover Effects of FDI: Evidence from Indian Manufacturing Industries</li> <li>2. Application of Input-Output Models to Spillover Effects of Foreign Direct Investment in Indian Manufacturing Industries</li> </ol>
5	Ruchi	--	<ol style="list-style-type: none"> <li>1. Informational Effect of select private placements of equity: An Emprical Analysis in Indian Capital Market.</li> <li>2. Analysis of Seasoned Equity Placements in India – Taking Private or Public Route</li> </ol>
6	Md Kashif Ansari	--	<ol style="list-style-type: none"> <li>1. Export Performance of Dairy Sector in India</li> <li>2. International trade of coal in India: trends, Challenges and Measures to achieve Trade Balance</li> </ol>
7	Deepshikha Yadav	--	<ol style="list-style-type: none"> <li>1. Bond Market in India : Determinants, Development and The Present State of Affairs</li> <li>2. Fledgling Corporate Bond market and The Liquidity Pattern</li> </ol>

