

## University of Delhi

### Research and Development Grant 2014-15

The Hon'ble Vice Chancellor, University of Delhi is pleased to approve the Research & Development Grant 2014-15. The list of faculty members who have been sanctioned the grant is attached. The period of the grant is from October 15, 2014 to September 30, 2015. The guidelines issued at the time of inviting proposals have to be strictly followed. The individual sanction letters are being sent to the faculty members with details of the amount allocated under each budget head.

S.No.	Name of Principal Investigator	Department	Title of Project
1.	Dr. K.S Rao	Botany	Vegetation composition influence on microbial community activity in rhizosphere soils of traditional agriculture areas.
2.	Dr. C.S Seth	Botany	Studies on chelate assisted Cr accumulation and detoxification by glutathione as a central molecule in Indian mustard
3.	Dr. Rajesh Tandon	Botany	Molecular Characterization and role of polycomb genes associated with seen development in Podostemaceae.
4.	Prof. Veena Aggrawal	Botany	Screening of Anti-Cancerous activity of a potential endangered medicinal herb <i>Nardostachys jatamansi</i> DC against Human neurological cancer cell lines and Identification of the bioactive compounds.
5.	Dr. Ratul Baishya	Botany	Soil carbon pool in the Delhi ridge forest ecosystem under different moisture regimes.
6.	Dr. Sandip Das	Botany	Investigations into role of miRNAs and MYBs in development.
7.	Dr. Arun K. Pandey	Botany	Systematics of the Indian <i>Crotalaria</i> based on morphological and molecular markers.

8.	Prof. S.B. Babbar	Botany	DNA Barcoding of commercially important medicinal plants and demonstrating the efficacy of DNA barcodes for checking the authenticity of market samples.
9.	Dr. Sudeshna Mazumdar Leighton	Botany	Cloning of virus coat protein genes, genomes and sequence-based identification of plant begomoviruses and that co-infect weeds and horticultural crops in Delhi and Haryana.
10.	Dr. Girish Mishra	Botany	Comparative fatty acid methyl esters analysis using Gas Chromatography-Mass spectrometry on seeds from various species of genus <i>Leucas</i> .
11.	Dr. Rupam Kapoor	Botany	Genome wide transcriptomic profiling and mycorrhizal arsenic stressed wheat.
12.	Dr. Renu Deswal	Botany	Purification of an antifreeze protein, Chitinase from <i>Hippophae rhamnoides</i> leaf and berries collected from Lahaul and Spiti, Himachal Pradesh and testing its efficacy for enhancing shelf life of red blood cells (RBCs) during cryopreservation.
13.	Prof. S.C Bhatla	Botany	Investigations on a probable crosstalk between nitric oxide (NO) and reactive oxygen species (ROS) scavenging enzymes in sunflower seedlings subjected to salt stress.
14.	Prof. Ved Pal Singh	Botany	Isolation and characterization of cellulase producing soil bacteria from a cow shed area.
15.	Dr. Vishnu Bhatt	Botany	Identification and characterization of ovule/embryo sac-specific promoters and their validation in <i>Arabidopsis</i> .
16.	Dr. P.L Uniyal	Botany	Studies on the Reproductive biology of epiphytic ferns in relation to their microclimatic conditions
17.	Dr. Manu Aggarwal	Botany	Deciphering high resolution map of heat shock factor binding on <i>Arabidopsis</i> genome
18.	Dr. Shailendra Goel	Botany	Analysis of developmental aspects of apomixis using expression markers in apomictic addition line of <i>Pennisetum glaucum</i> .
19.	Dr. Arun	Botany	Identification of AFLP-based

	Jagannath		polymorphic markers between selected parental lines for construction of a genetic linkage map in the oilseed crop, <i>Carthamus tinctorius</i> L.(safflower).
20.	Dr. R Geeta	Botany	Ecological and molecular studies on pigment patterns in some Acanthaceae.
21.	Prof. Amar Kumar	Botany	Investigation of role of miRNA in potato tuber development and feeding cell development during root-knot nematode interactions with tomato roots.
22.	Dr. Priya Panjabi-Massand	Botany	Identification of candidate genes for mapped QTLs of phytosterol content in <i>Brassica juncea</i> and development of gene specific molecular markers
23.	Dr. Suman Lakhanpaul	Botany	Studies on genus <i>Barleria</i> in India using molecular tools
24.	Dr. Madhu Chopra	ACBR	Design and development of chromatin modifiers - HDAC inhibitors as anticancer agents.
25.	Dr. Manisha Tiwari	ACBR	Synthesis of Diallyl disulfide analogs and their potential use for the treatment of Alzheimer's Disease.
26.	Dr. Anju Katyal	ACBR	Standardization and validation of a novel <i>Drosophila</i> model for hypobaric hypoxia induced pathogenesis.
27.	Prof. K. Natarajan	ACBR	Identification, cloning and expression of <i>Mycobacterium tuberculosis</i> genes with homology to genes in the human TLR pathway
28.	Dr. Manisha Yadav	ACBR	Study of phenotypic virulence markers among clinical isolates
29.	Dr. Pratibha Mehta Luthra	ACBR	Molecular cloning and characterization of tyrosine hydroxylase from <i>Mucuna pruriens</i>
30.	Dr. Vani Brahmachari	ACBR	Understanding the differential expression of meel operon genes in <i>Mycobacterium tuberculosis</i> H37Rv.
31.	Prof. Daman Saluja	ACBR	To develop POC – Q-PCR based assay for <i>Trichomonas vaginalis</i> , <i>Chlamydia trachomatis</i> and <i>Neisseria gonorrhoeae</i> using

			Taqman strategy.
32.	Dr. Ajay K. Yadav	ACBR	Ubiquitin mediated regulation of hnRNPA1 splice factor in glioma cells.
33.	Dr. Laishram R. Singh	ACBR	Investigating if N-homocysteinylation has different consequences on proteins having different physico-chemical properties.
34.	Dr. K.N. Saraswathy	Anthropology	Genetics of hyperhomocysteinemia: A study among meiteis of Manipur.
35.	Dr. M. Kennedy Singh	Anthropology	Socio-Economic dimensions among Aimol tribe of Unapal village in Manipur: An Anthropology Study.
36.	Dr. V.R Rao	Anthropology	Genetics Modifiers in the severity of Beta-thalassemia among Indian population: An Evaluation study between patients and controls in Delhi.
37.	Prof. P.C. Joshi	Anthropology	Association of Homocysteine and DNA methylation vis-à-vis cardiovascular outcome among the Sunni Muslims of Delhi
38.	Dr. S.L. Malik	Anthropology	Gender differences in Health and fitness among Punjabis of Delhi and Punjab.
39.	Prof. A.K Kapoor	Anthropology	Trends in Bio-Social and Genetico-Environmental Dynamics in Coastal Ecosystems.
40.	Dr. Mitashree Srivastava	Anthropology	The changing coast: A Case study of Atering coast life at Alleppey, Kerala.
41.	Dr. P.R Mondal	Anthropology	A study of nutritional status of children and adolescents belonging to the lower socio-economic groups of East Midnapur (Contai) and North 24- Parganas (Bongaon) of West Bengal
42.	Dr. Meena Dhall	Anthropology	Impact of stress on life style disease among adult population of Delhi
43.	Prof. Satwanti Kapoor	Anthropology	Consanguinity and reproductive health of women: Its possible consequences for non-

			communicable disease.
44.	Dr. N. Kiranmala Devi	Anthropology	FTO gene polymorphism and Obesity: A study among Tribal population of North-East India.
45.	Dr. Benrithung Murry	Anthropology	Genetic heterogeneity of B-thalassemia among some population groups of Jamnagar district in Gujarat
46.	Dr. M.P. Sachdeva	Anthropology	Genetic Association study of body mass index in a population group of Delhi.
47.	Dr. Vipin Gupta	Anthropology	Genetic association study of selected genetic polymorphisms with liver enzymes.
48.	Dr. Shivani Chandel	Anthropology	A Study on ACE gene polymorphism and its association with hand grip strength.
49.	Dr. Shoumendra M. Patnaik	Anthropology	Technology, changing social capital and cultural identifies among indigenous communities of eastern and southern India.
50.	Dr. Indrani Chattopadhyaya	Anthropology	An ethno-archaeological study of tribal art and prehistoric art in kaimur region, southern UP, India
51.	Dr. Avitoli G Zhimo	Anthropology	Northeast and the others: The unspoken complexities.
52.	Dr. Chakraverti Mahajan	Anthropology	Religious division and social conflict in "post conflict" Jammu and Kashmir.
53.	Dr. R.P Mitra	Anthropology	Challenges of Development in Vulnerable tribal communities.
54.	Dr. Manoj Kumar Singh	Anthropology	The Palaeolithic culture of eastern Ghats , Andhra Pradesh
55.	Dr. Vinod Kumar	Zoology	Role of timed food availability in reproductive regulation in songbirds
56.	Dr. Rita Singh	Zoology	Characterization of cancer biomarkers identified in the plasma of breast cancer patients
57.	Dr. Anju Shrivastava	Zoology	Effect of melatonin on cytokines and chemokines profile in tumor-associated macrophage

58.	Dr. Dileep K. Singh	Zoology	Enzymatic biodegradation of endosulfan by <i>Klebsiella</i> sp. M# and <i>in silico</i> screening of enzymes responsible for endosulfan degradation
59.	Dr. Rajagopal Raman	Zoology	Isolation of macrophage like cells from the gut of <i>Spodoptera litura</i> and studying the interaction of those cells with pathogenic and non-pathogenic bacterial strains.
60.	Prof. Rup Lal	Zoology	Production of Rifamycin analogs by genetic manipulation of Rifamycin Polyketide Biosynthetic Gene Cluster of <i>Amycolatopsis mediterranei</i> to overcome the problem of MDR strains of <i>Mycobacterium</i> .
61.	Dr. Mallikarjun Shakarad	Zoology	The evolution of male accessory gland proteins in <i>Drosophila melanogaster</i> .
62.	Dr. Rakesh Kumar Seth	Zoology	Effect of ionizing radiation on enzymatic antioxidant defense of irradiated <i>Spodoptera litura</i> (tropical pest) and its F1 progeny.
63.	Dr. Neeta Sehgal	Zoology	Characterization of leptin and its role during gonadal growth in murrel <i>Channa punctatus</i> (Phase-II)
64.	Dr. Namita Agrawal	Zoology	Monitoring expression levels and activity of key lipases in a <i>Drosophila</i> model of neurodegenerative disease.
65.	Dr. Rina Chakrabarti	Zoology	The Study of ammonia oxidizing microorganisms in the biofilter of recirculating system.
66.	Dr. Shibnath Mazumdar	Zoology	Cloning and studying the expression of NOS2 in M. fortuitum- induced mycobacteriosis in catfish ( <i>Clarias</i> sp)
67.	Prof. Madan Mohan Chaturvedi	Zoology	Characterization of histone H3 specific protease and studies on curcumin as a potential modulator of histone acetyl transferases and deacetylases.
68.	Prof. Sharmila Basu Modak	Zoology	Expression of Prolactin and its receptor in the developing heme oxygenase 1 knockout embryos.
69.	Prof. Umesh Rai	Zoology	De novo sequencing of ovarian transcriptome of wall lizard, <i>Hemidactylus flaviviridis</i>

70.	Dr. Suman Kundu	Biochemistry	Stability and amyloidogenicity of cyanobacterial hemoglobin in relation to myoglobin: Model for engineering stable artificial blood substitutes
71.	Dr. Alo Nag	Biochemistry	Investigation of the link between mammalian co-activator protein hADA3 Promyelocytic Leukemia protein.
72.	Prof. Prahlad C. Ghosh	Biochemistry	Long Circulatory PLGA-nanoparticles-mediated delivery of anti-malarial drugs for the treatment of Malaria.
73.	Dr. V.K Chaudhary	Biochemistry	Production of reagents for simultaneous immunochemical detection <i>M. tuberculosis</i> complex (MTC) and Non Mycobacteria (NTM)
74.	Dr. Suneel Kateriya	Biochemistry	Characterization of Novel algal LOV domain coupled transcription factor.
75.	Dr. Debi P. Sarkar	Biochemistry	Study of cellular signalling in Sendai virosome-liver cell membrane fusion: application in liver gene therapy
76.	Dr. Manisha Goel	Biophysics	Structural and functional characterization of <i>P. torridus</i> Nac protein for chaperone activity.
77.	Dr. Subhendu Ghosh	Biophysics	Studies on collective behavior of Ion Channels
78.	Prof. J.S Virdi	Microbiology	Analysis of B-lactamase genes including promoter and upstream sequences mediating high antibiotic resistance in <i>Escherichia coli</i> .
79.	Prof. R.K Saxena	Microbiology	Erythritol a zero calorie natural sweetener from <i>Candida sorbosivorans</i> : Production, Scale-up and extraction.
80.	Dr. R.C Kuhad	Microbiology	Improvement of cellulose hydrolysis and ethanol production.
81.	Dr. Rani Gupta	Microbiology	Expression and characterization of phospholipase B from <i>Trichosporon asahii</i> MSR54: application in degumming of crude oil.
82.	Dr. Amita Gupta	Microbiology	Cloning, hyper-expression, purification and characterization of sigma factor proteins of <i>Mycobacterium tuberculosis</i> .

83.	Dr. Swati Saha	Microbiology	Analysis of knockout lines for impact on transcription.
84.	Dr. Yogender Pal Khasa	Microbiology	Therapeutic single chain antibody against human GM-CSF in E. coli: cloning, expression and process optimization.
85.	Dr. Rajeev Kaul	Microbiology	To understand the role of HCV non-structural protein NS4B in modulation of the cellular processes leading to Epithelial to mesenchymal transformation (EMT)
86.	Prof. T. Satyanarayan	Microbiology	Understanding the role of N1-domain of the amylopullulanase from the extreme thermophile <i>Geobacillus thermoleovorans</i> on its activity, stability, raw starch binding and substrate specificity
87.	Prof. Madan Mohan	Plant Molecular Biology	Novel approaches for production of hybrid seeds in Rice
88.	Dr. Sanjay Kapoor	Plant Molecular Biology	Functional characterization of the involvement of MADS29 transcription factor in modulating cytokinin levels during seed development in rice.
89.	Dr. Suresh Katiyar-Aggrawal	Plant Molecular Biology	Identification micro RNAs (miRNAs) involved in natural senescence of flag leaves in rice using high throughput sequencing.
90.	Prof. Indranil Dasgupta	Plant Molecular Biology	Screening the genes of Rice <i>Tungro bacilliform</i> virus for RNAi suppressor activities
91.	Prof. Paramjit Khurana	Plant Molecular Biology	Molecular basis of somatic embryogenesis in wheat.
92.	Dr. Jitendra P. Khurana	Plant Molecular Biology	Functional analysis of blue light sensing cryptochromes in crop plants.
93.	Dr. Arun K. Sharma	Plant Molecular Biology	Identification and Characterization of PLP class II amino Acid decarboxylase Gene family in tomato.
94.	Dr. Saurabh Raghuvanshi	Plant Molecular Biology	Characterization of cytosolic calcium and ABA inducibility of drought induced miRNA genes indica rice variety



95.	Dr. Anil Grover	Plant Molecular Biology	Molecular analysis of rice chymotrypsin protease inhibitor gene OCP12 towards its role in abiotic stress responses
96.	Dr. Girdhar K. Pandey	Plant Molecular Biology	Genetic and biochemical characterization of CBL and CIPK family members in rice.
97.	Dr. M.V. Rajam	Genetics	Role of non-coding RNAs in chloroplast gene regulation.
98.	Dr. Surjit Sarkar	Genetics	Deciphering the role of dMyc in suppression of human poly(Q) induced neurodegeneration in Drosophila disease models
99.	Dr. B.K Thelma	Genetics	A pilot project to characterize the gut microbiome in healthy human subjects and establish correlation, if any, with the three predominant prakriti types according to Ayurveda system of medicine
100.	Dr. Jagreet Kaur	Genetics	To assess the genetic variations in the field isolates of <i>S. sclerotiorum</i> collected from different agro-climatic zones of India.
101.	Dr. Akshay K Pradhan	Genetics	Reduction of linkage drag around the low erucic acid gene ea-1 in the carrier chromosome A8 of <i>Brassica juncea</i> (mustard)
102.	Dr. Pradeep Kumar Burma	Genetics	Studies on chelate assisted Cr accumulation and detoxification by glutathione as a central molecule in Indian mustard
103.	Prof. Deepak Pental	Genetics	Mapping of quantitative traits in <i>Brassica rapa</i> using recombinant inbred lines.
104.	Dr. Aruna Devi Naorem	Genetics	Study the function of wee homolog in <i>Dictyostelium discoideum</i>
105.	Dr. Kaustuv Datta	Genetics	Identify the defective mitochondrial function in <i>Saccharomyces cerevisiae</i> cells depleted of YLF2
106.	Dr. Tapasya Srivastava	Genetics	Relevance of nicotine acetylcholine receptor (nAChR) in genesis and metastasis of lung cancer.
107.	Dr. Chirashree Ghosh	Environmental Studies	Proposed Area of Research: Analysis of Morphological and Physiological Parameters as bioindicators of toxic air pollutant in urban Delhi.

108.	Dr. Swati Diwakar	Environmental Studies	Assessment of diversity and distribution of field crickets.
109.	Dr. Gyan Praksh Sharma	Environmental Studies	Performance of <i>Ricinus communis</i> L. at different levels of irradiance in urban environments
110.	Dr. Sathyabhama Das Biju	Environmental Studies	Molecular evolution, systematics and biogeography of endemic frog families of the western Ghats.
111.	Dr. A.J Urfi	Environmental Studies	Studies on the ecology and conservation of colonially nesting water birds in the Delhi region.
112.	Dr. P. Pardha Saradhi	Environmental Studies	Impact of noble metal ions and their nanoparticles on wheat.
113.	Dr. Vandana Mishra	Environmental Studies	Diversity and distribution of IAA producing bacteria in abandoned mine: Role of soil physico-chemical properties and topography as determinant factors.
114.	Dr. Radhey Shyam Sharma	Environmental Studies	Prevalence of lysogeny in bacterial communities in rhizosphere and different habitats
115.	Dr. Ashima Saikia	Geology	Mineral chemical characterization of the TTG gneisses of the Aravalli, Chotanagpur- Singhbhum Craton and the Bundelkhand craton
116.	Prof. J.P Srivastava	Geology	Sr/Ce Ion Implantation and long term performance assessment of nuclear waste (impact) glass from Lonar Crater, Buldana Maharashtra
117.	Dr. Pramod Kumar	Geology	Application of Palynology in establishing incremental shift in depositional environment and age constrain of terminal cenozoic successions of Kutch, India.
118.	Dr. Vimal Singh	Geology	Understanding controls on geomorphic development of the Indo-Gangetic plains.
119.	Dr. S.K Singh	Geology	Socio-environmental Impact of Hydroelectric projects, upper Ganges valley, with special reference to slope stability.
120.	Dr. Pankaj Srivastava	Geology	Clay mineralogy of Cretaceous paleogene sediments of central India and neogene sediments of the Himalaya: A Critical assessment of the paleoclimatic changes.

121.	Dr. Partha Pratim Chakraborty	Geology	To age bracket the Ampani basin, central india using monazite U-Th-Pb EPMA geochronology.
122.	Dr. Naresh Chandra Pant	Geology	Investigation of nature of crust west of Aravalli-Delhi Mobile belt (ADMB) in south Delhi fold belt.
123.	Dr. Anupam Chattopadhyay	Geology	Mechanism of reactivation of shallow and deep crustal faults in the Indian craton with special reference to the central Indian tectonic zone.
124.	Prof. Devesh K. Sinha	Geology	Surface water circulation changes in eastern Indian ocean based on planktic foraminiferal data.
125.	Prof. Chandra Shekhar Dubey	Geology	Tectonic reconstruction of the Indo-Eurasia-Myanmar triple collision zone in South-East Asia
126.	Dr. Ashutosh K. Singh	Geology	Teleconnection between El Niño, Indonesian through flow and western Pacific warm pool and its effect on Indian monsoon during quaternary: Evidence from depth stratified planktic foraminiferal assemblage and stable isotopic record.
127.	Dr. H.P Singh	Physics & Astrophysics	Analysis of Data of Variable Stars
128.	Dr. Samit Kumar Mandal	Physics & Astrophysics	Deep Sub-barrier fusion dynamics and the effect of multi-nucleon transfer for the medium mass nuclei at and near the coulomb barrier using IUAC/TIFR accelerator facility.
129.	Dr. Amita Chandra	Physics & Astrophysics	Preparation and Characterization of polymer composites for EMI shielding.
130.	S. Somorendro Singh	Physics & Astrophysics	The Quantum Chromodynamics (QCD), the non-abelian gauge theory of colored quarks and gluons.
131.	Dr. Binay Kumar	Physics & Astrophysics	Synthesis and characterization of multiferroic nanoparticles.
132.	Dr. Kirti Ranjan	Physics & Astrophysics	Some Aspects of Silicon Detector Development and Particle Physics Studies with the CMS Experiment

133.	Dr. S. Murugavel	Physics & Astrophysics	Structure and electrical transport investigations on nano structured olivine phosphate cathode material for lithium ion batteries.
134.	Dr. P. Senthil KumaR	Physics & Astrophysics	Plasmonic Nano Structures.
135.	Dr. Nivedita Deo	Physics & Astrophysics	Computationally and analytical study of Graphene and topological insulators
136.	Dr.Safir Ahmad Hashmi	Physics & Astrophysics	Fabrication and Characterization of Solid-State Supercapacitors and Sodium Ion Batteries using Gel Polymer Electrolytes
137.	Dr. Ashutosh Bhardwaj	Physics & Astrophysics	Characteristics of Silicon Detectors for next generation High Energy Physics (HEP) experiments.
138.	Prof. P.D Sahare	Physics & Astrophysics	Development of Low-Z micro and nanocrystalline optically stimulated luminescent detectors for radiation dosimetry.
139.	Dr. Shashi Verma	Physics & Astrophysics	Nuclear fission studies in mass region - 200 through neutron multiplicity measurement.
140.	Dr. Awadhesh Prasad	Physics & Astrophysics	Understanding the dynamics in coupled oscillators.
141.	Prof. A.G. Vedeshwar	Physics & Astrophysics	Growth, characterization, studying optical properties and electronic structure calculations of Quantum dots of III-V semiconductors, Metal oxides, Layered Structured Semiconductors and scintillators materials.
142.	Dr. Anjan Dutta	Physics & Astrophysics	Study of various properties of Magnetars
143.	Dr. Amarjeet Kaur	Physics & Astrophysics	Development and characterization of polyamine nanostructures for gas sensing applications.
144.	Prof. Ram Pal Tandon	Physics & Astrophysics	Fabrication and Characterisation of organic photovoltaic devices.
145.	Prof. T.R Seshadri	Physics & Astrophysics	Investigating the Universe at high redshift using 21cm spectral line.
146.	Prof. Debjyoti Choudhury	Physics & Astrophysics	Signatures of New Physics at present and future colliders

147.	Dr. Sanjay Kumar Chamoli	Physics & Astrophysics	Fabrication of backed target for lifetime measurements in neutron rick in nuclei.
148.	Dr. Poonam Silotia	Physics & Astrophysics	Quantum Hetero-structures in External Field.
149.	Prof. K. Sreenivas	Physics & Astrophysics	Novel transducers exhibiting "Thermo-electro-mechano-luminescence effects combining up conversion luminescence (IR to visible) with pyro/piezoelectricity.
150.	Prof. S. Annapoorni	Physics & Astrophysics	A study of magnetic coupling and magnetic anisotropy in Metal/metal oxide interfaces.
151.	Dr. Md Naimuddin	Physics & Astrophysics	Development of RPC and GEM detectors and tis applications
152.	Dr. Devki Nandan Gupta	Physics & Astrophysics	Interaction of super-intense non-adiabatic laser pulses with thin targets
153.	Dr. Ashok Kumar	Physics & Astrophysics	Standard Model Higgs, validity of its existence and properties and ongoing R&D on gaseous Detectors for current and future applications.
154.	Dr. Supriya K. Kar	Physics & Astrophysics	Quintessence, Torsion and Superstring degenerate Vacua: Non-perturbative quantum gravity on D-Brane(anti-Brane) pair.
155.	Dr. Swarnendu Sarkar	Physics & Astrophysics	Gauge/Gravity Duality and Applications
156.	Dr. Sanjeev Kumar Verma	Physics & Astrophysics	To search for new phenomenologically viable structures in the lepton mass matrices and find the new flavor symmetries behind these structures.
157.	Dr. Sanjay Jain	Physics & Astrophysics	Understanding the origin of coordinated doubling and Exponential Growth of Chemicals in Cells.
158.	Prof. Avinash Khare	Physics & Astrophysics	Plasma heating and making nanostructures using the plasma route
159.	Dr. Sourin Das	Physics & Astrophysics	Non equilibrium spin and quadruple dynamics in quantum dot circuitry

160.	Dr. Sourav Sur	Physics & Astrophysics	Interacting dark energy via string-inspired curvature-torsion coupling to matter.
161.	Prof. A. Mukherjee	Physics & Astrophysics	Estimation of cosmological parameters
162.	Dr. Ajit Kumar Mahapatro	Physics & Astrophysics	Electronic transport through single and bundled metal oxide nanowires.
163.	Prof. Vinay Gupta	Physics & Astrophysics	Fabrication of BTO/BFO multilayered structures for energy harvesting application.
164.	Dr. Suresh Kumar	Physics & Astrophysics	Nuclear data evaluation and compilation activities at Dept. of Physics & Astrophysics
165.	Dr. A. Sakthivel	Chemistry	SBA-15 molecular sieve intercalated cobalt-aluminium hydrotalcite (CoAl-SBA-HT) nano particle: Promising environment friendly recyclable oxidation catalysts.
166.	Dr. Ramendra Pratap	Chemistry	One pot synthesis of arylated benzol[h] quinolines and its anticancer activity.
167.	Prof. M. Kidwai	Chemistry	Green Technologies for bioactive compounds.
168.	Dr. Surendra Singh	Chemistry	Synthesis of L-prolinol Modified with Ionic Liquid as a Recoverable Catalyst for Asymmetric Reduction and Epoxidation.
169.	Dr. B.K Singh	Chemistry	Synthesis of Quinolone Linked 1,2,3 triazole based chalcones analogous as novel bioactive agents
170.	Dr. Firasat Hussain	Chemistry	Synthesis and characterization of multiferroic nanoparticles.
171.	Dr. Sitharaman Uma	Chemistry	Synthesis and characterization of multiferroic nanoparticles.
172.	Dr. Parbati Biswas	Chemistry	Role of different physico-chemical factors in protein misfolding.

173.	Prof. R.K Sharma	Chemistry	Design and synthesis of silica based organic-inorganic hybrid materials and their applications as metal scavengers and catalysts.
174.	Dr. Rajamani Nagarajan	Chemistry	Synthesis and characterization of optically active layered double hydroxides
175.	Dr. Monika Datta	Chemistry	Development of micronutrients containing biodegradable seed coating materials for better crop production
176.	Dr. Sasanka Deka	Chemistry	Studies on Tin chalcogenide (SnS, SnS <sub>2</sub> ) semiconductor nanocrystals for supercapacitor applications.
177.	Dr. Subho Mazumdar	Chemistry	Ionic Liquids: Solving the solubility hurdles of hydrophobic pharmaceutical compounds.
178.	Prof. S.M.S Chauhan	Chemistry	Synthesis of clicked hexabenzocoronenes-porphyrin conjugates as optoelectronic
179.	Prof. Pavan Mathur	Chemistry	Some copper and manganese complexes of bis-benzimidazole ligands and their catalytic activities
180.	Dr. P. Venkatesu	Chemistry	Effect of additives on thermoresponsive polymer
181.	Dr. Dhanraj T. Masram	Chemistry	Immobilization of AChE on ZrO <sub>2</sub> - Graphene nanocomposite for preparation of a Chlorpyrifos biosensor.
182.	Prof. Sunil K. Sharma	Chemistry	To synthesize novel dendritic amphiphiles and study the aggregation and encapsulation behaviour of dendritic amphiphiles for bio-medical applications.
183.	Prof. Rama Kant	Chemistry	Mathematical modeling and experimental investigations of complex electrochemical and material systems.
184.	Dr. Sandeep Kaur	Chemistry	Design and Development of Earth-Abundant Metal Complexes
185.	Dr. Rakesh Kumar Sharma	Chemistry	Iron oxide nanoparticles co-encapsulating drug and dye for simultaneous targeted drug delivery and imaging applications
186.	Prof. Gurmeet Singh	Chemistry	Study of corrosion inhibition by Schiff bases part II

187.	Prof. Ashok K Prasad	Chemistry	Synthesis of Functionalized B-C-glycosides and its polymerization with PEG to afford amphiphilic copolymers as potential drug delivery agent.
188.	Dr. S.K Awasthi	Chemistry	Synthetic application of gold nanoparticles and auric chloride for the synthesis of 5-substituted 1-H tetrazoles
189.	Prof. Diwan S. Rawat	Chemistry	Development of magnetically recoverable copper based nanocatalysts for one-pot synthesis of biologically active aminoindolizines
190.	Dr. Marilyn Daisy Milton	Chemistry	Synthesis of novel 2-aryloxazolines and study of their antioxidant activities.
191.	Dr. Natesan Thirupathi	Chemistry	Catalytic utility of bischelate palladium(II) amide-pyridyl complexes in Heck-Mizoriki coupling reactions.
192.	Dr. Raj Kishore Sharma	Chemistry	Synthesis and characterization of nanostructured conducting polymer and their nanocomposites with metal oxides for supercapacitor electrodes.
193.	Dr. Jitender M. Khurana	Chemistry	Novel synthetic methodologies for heterocycles/heterocyclic conjugates, their biological studies, photophysical studies and applications as sensors.
194.	Dr. Mahendra Nath	Chemistry	Design and Synthesis of Sulfonamide based anticancer agents.
195.	Dr. Kovuru Gopalaiah	Chemistry	Samarium(II), Iodide-Mediated Cross-Coupling reactions.
196.	Dr. Indrajit Roy	Chemistry	Magnetically guided drug delivery using superparamagnetic iron oxide nanoparticles (SPIONs) for cancer therapy
197.	Dr. Akhilesh Kumar Verma	Chemistry	A Novel approach for the Tandem synthesis of sulphur and nitrogen analogue of tetrahydroquinazolines and Benzothiazines.
198.	Prof. Shrikant Kukreti	Chemistry	To identify and characterize the G-quadruplex elements in the promoter of human GRIN1 gene.



199.	Dr. M. Thirumal	Chemistry	Transition metal oxide nanoparticles for electrical, magnetic, and sensing applications.
200.	Dr. Ram Kuntal Hazra	Chemistry	Experimental and theoretical studies probing the synergy of magnetic field and quantum dot mediated oxidative stress in cells <i>in vitro</i> .
201.	Dr. Rajeev Gupta	Chemistry	Coordination chemistry with amide-based ligands as synthetic models for metalloenzymes.
202.	Dr. Rita Kakkar	Chemistry	Docking studies of Hoechst 3358 and its rotameric, tautomeric and ionization states into the minor groove of B-DNA: A thorough computational investigation.
203.	Dr. C.S Lalitha	Mathematics	Set valued Optimization.
204.	Dr. Lalit Kumar	Mathematics	Weyl-Heisenberg Frames Generated by Hyponormal Operators
205.	Dr. Atul Gaur	Mathematics	Line graphs of Maximal Graphs.
206.	Dr. Sachin Kumar	Mathematics	Exact Solutions of Some Non-linear partial differential equations.
207.	Prof. Ajay Kumar	Mathematics	Schur tensor product and Geometry of nilpotent groups
208.	Dr. Shikha Singh	Mathematics	An epidemiological approach to study bioterrorism
209.	Prof. V. Ravichandran	Mathematics	Subclass of Univalent Starlike and Convex Functions
210.	Dr. V. Ambethkar	Mathematics	Finite volume method and its application to heat transfer and Mass transfer
211.	Dr. Pratima Rai	Mathematics	Numerical methods for singularly perturbed time dependent differential-difference equations.
212.	Dr. Arvind Patel	Mathematics	Solution of system of Hyperbolic conservation laws by adomian decomposition methods and its application in fluid dynamics.
213.	Dr. B.K Dass	Mathematics	On poset and block poset codes.
214.	Dr. Sachi Srivastava	Mathematics	Some properties of the non-analytic growth bound for semigroups

215.	Dr. Ranjana Jain	Mathematics	Closed lie ideals of operator space tensor products of C# algebras
216.	Dr. Surendra Kumar	Mathematics	Some results on fractional order semilinear systems.
217.	Dr. A. Zothansanga	Mathematics	Generalizations of Frames In Hilbert Spaces.
218.	Dr. Punam Bedi	Computer Science	Computationally intelligent image steganalysis
219.	Dr. Sunil Kr. Mutto	Computer Science	Video Steganography
220.	Dr. Naveen Kumar	Computer Science	To develop Conference Ranking Measure
221.	Dr. Neelima Gupta	Computer Science	Approximation algorithms for Replica Placement problem.
222.	Prof. Mridula Gupta	Electronic Science	Submission of project proposal entitled " Device and Circuit level performance investigation of junctionless field effect transistors and its applications.
223.	Prof. Avinashi Kapoor	Electronic Science	Absorption enhancement in thin film solar cell by multi particle metal nanostructures.
224.	Prof. P. Koteswara Rao	Electronic Science	Electrical characterization of schottky contacts on GaN grown Si substrate by molecular Beam Epitaxy (MBE).
225.	Dr. Kamlesh Patel	Electronic Science	Characterization and application of Graphene at the microwave frequencies.
226.	Dr. Enakshi Khular Sharma	Electronic Science	Photonics for sensors and control of microwave devices
227.	Dr. Harsupreet kaur	Electronic Science	Modelling, design and simulation of negative capacitance junctionless (NCJL) MOSFETs for ultra low power applications.
228.	Dr. Sanjeev Singh	IIC	Integrated Communication System for University of Delhi
229.	Dr. B. Biswal	Cluster Innovation Centre	Modeling and simulation of spread of disease on social networks.

230.	Dr. Pankaj Tyagi	Cluster Innovation Centre	To study structural and optical properties of semiconductor materials in thin film grown by physical vapor deposition method.
231.	Dr. Shobha Bagai	Cluster Innovation Centre	Natural Convective Flow in Porous Medium Saturated with Nanofluid
232.	Dr. Pankaj Gupta	Operational Research	Advances in fuzzy Optimization Modelling and solution Approaches for Commercial off-the Shelf (COTS) products selection
233.	Dr. Mukesh Kumar Mehlawat	Operational Research	Hybrid Optimization Framework for Resource planning problems under fuzzy environment
234.	Dr. Preeti Wanti Srivastava	Operational Research	Some Reliability based decision models.
235.	Dr. Aditi Khanna	Operational Research	Inventory management of imperfect quality deteriorating items.
236.	Dr. Adarsh Anand	Operational Research	Innovation diffusion based on unified approach & multiple generations of technologies.
237.	Dr. Ompal Singh	Operational Research	Analyzing warranty based single & multi generational diffusion of products.
238.	Dr. Chandra K. Jaggi	Operational Research	Two- warehouse problems for non-instantaneous deteriorating items.
239.	Dr. K.K Aggarwal	Operational Research	Production /inventory decision models with imperfect quality, rework and trade credit.
240.	Dr. P.C Jha	Operational Research	Sustainable supply chain management for product recovery
241.	Dr. Anu G. Aggarwal	Operational Research	A Study on Discrete software reliability growth models for multi release software system
242.	Dr. M. Madhusudhan	Library and Information Science.	Use of Mobile Devices of improving research work by the research scholars of the university of Delhi and university of Hyderabad.
243.	Prof. Jagdish Saran	Statistics	On L-moments and TL moments estimation for some continuous distribution.

244.	Dr. Ajit Chaturvedi	Statistics	Estimation and testing procedures for some discrete and continuous reliability models.
245.	Dr. Mehta Rajendra Kumar V.	MIL & LS	Communities and communal harmony As reflected in Gujarati, Marathi, Indian English and Hindi Plays
246.	Dr. Govindaswamy Rajagopal	MIL & LS	Understanding the classical Sangam poetry from different standpoints
247.	Dr. Ravi Prakash Tekchandani	MIL & LS	Representation of women in Indian studies.
248.	Dr. Amitava Chakarborty	MIL & LS	Preparation of study material for "Bengali for Hindi-speaking learners".
249.	Dr. Ratnottama Das	MIL & LS	Folkloristic study of Deori folklore.
250.	Prof. P.C Pattanaik	MIL & LS	Cultural Mapping of the Lepehas
251.	Dr. Bidyut Chakrabarty	Political Science	Communism in India
252.	Dr. Nasreen Chowdhory	Political Science	Refugee economies: Migrants and stateless people in India.
253.	Dr. Satyajit K. Singh	Political Science	Environment and Governance: Institutions, Decentralization and Politics.
254.	Dr. Madhulika Banerjee	Political Science	Civil Society and the politics of knowledge: local health traditions and people's health
255.	Dr. Ashok Acharya	Political Science	The Right to development: Toward an empirical understand.
256.	Dr. Ujjwal Kumar Singh	Political Science	Electoral politics and the election commission of India
257.	Dr. Rekha Saxena	Political Science	Metropolitan governance in a multilayered federal system: A case study of national capital region of Delhi.
258.	Dr. Saroj Giri	Political Science	Development and politics in North Bengal 2005-10
259.	Prof. N.K Chadha	Psychology	Life Style Interventions Impact on Depression and Loneliness of the Elderly

260.	Dr. Ishita Upadhyay	Psychology	Exploration of the "Beauty" construct: Narratives of female fashion models and beauticians in urban India.
261.	Dr. Alka Bajpai	Psychology	Perceived marginalization and inclusion in a diverse society: A Study of Delhi university students
262.	Dr. Dinesh Chhabra	Psychology	Memory profiling and Self-management in people with type 2 diabetes.
263.	Prof. Nandita Babu	Psychology	The development and experience of empathy in Adolescents.
264.	Dr. Vinod Kumar Kanvaria	Education	Professional development of researchers and teachers on plagiarism, citation and referencing styles
265.	Dr. D. Parimala	Education	Perspective of Undergraduate students on existing inequality on who gets education: A Qualitative Study
266.	Dr. Nirupma Jaimini	Education	Exploring knowledge integration in science learning through teacher preparation
267.	Dr. Neera Narang	Education	Developing Project based tasks in Hindi Language in the context of Continuous Comprehensive Evaluation.
268.	Dr. M. Rajendran	Education	Pre-Service teachers' use of Web technologies in project based learning environment.
269.	Dr. Anjan Sen	Geography	Role of FIRE and ICE Economies in making of global cities - Case study of Indore and Bhopal
270.	Dr. R.B Singh	Geography	Monitoring and Mitigation of climate change induced natural hazards in India
271.	Dr. Aprajita De	Geography	Studying Geographies of space, culture and media: modernizing the city of Mumbai.
272.	Dr. Subhash Anand	Geography	Development and feasibility of geoparks in India: A case study of Varkala
273.	Dr. Pankaj Kumar	Geography	Snow cover dynamics and its impact on livelihoods: A case study of Spiti river, Lahaul and Spiti district, Himachal Pradesh.
274.	Dr. Netrananda Sahu	Geography	Stochastic analysis of intra-seasonal rainfall variability in Himachal Himalaya

275.	Dr. B.W Pandey	Geography	Impact of rural water supply on livelihood security in lower Ganga-Gomati doab.
276.	Dr. Parveen Kumar Pathak	Geography	Geospatial Analysis of Juvenile sex ratios in India.
277.	Dr. Hamendra Kumar Dangi	FMS	Disaster Data Analytics: An exploratory study
278.	Dr. Mahima Thakur	FMS	A study of psychosocial functioning and well being of Orphaned and vulnerable children (OVC) in institutional care
279.	Prof. Amit Kumar Bardhan	FMS	Growing role of Analytics in Business decisions: An evaluative study in Indian organizations.
280.	Dr. Pankaj Sinha	FMS	Development of algorithm for construction of Optimum portfolio of stocks using Genetic Algorithm
281.	Dr. Kavita Singh	FMS	Measurement and Assessment of Bullying behaviors in Department and affiliated colleges of University of Delhi.
282.	Dr. Anjala Kalsie	FMS	Private Equity, Private Investment in Public Equity & leveraged buy-outs.
283.	Dr. Garima Gupta	FMS	Loyalty Programs: Examining the Linkages with Share of Wallet and Store Loyalty.
284.	Dr. Madhu Vij	FMS	Interest rate risk and liquidity risk management in banks - A new framework.
285.	Dr. Monica Singhania	FMS	Applicability of Laffer Curve: Comparative Analysis of Developed and Developing Countries.
286.	Prof. Sushma Batra	Social Work	Journey of seven decades: A case of department of social work, University of Delhi
287.	Dr. Nemthianngai Guite	Social Work	Use of Traditional, complementary and alternative medicine (TCAM) in cancer treatment: Accounts' of TCAM practitioners' in Delhi.
288.	Dr. Archana Kaushik	Social Work	Using short stories and anecdotes as an andragogical approach in social work education.

289.	Dr. Mayuri Gogoi	Social Work	Environmental Literacy among undergraduate students of university of Delhi: facts, factors and future
290.	Dr. Neena Pandey	Social Work	A Study on the Awareness about the sexual harassment of women at work place (Prevention, prohibition and Redressal) Act, 2013 amongst the staff of University of Delhi.
291.	Dr. Pamela Singla	Social Work	Impact of natural disasters on the lives of local people with a gender focus: A case study of Jammu and Kashmir (J.K.)
292.	Dr. Seema Sharma	Social Work	Habitat, Social Structure and Economy of Marginalisation: A Study of Gadulia Lohar Community in Delhi.
293.	Dr. Rajesh	Adult continuing Education & Extension	A Study of education and employment opportunities for transgender in India.
294.	Dr. V.K Dixit	Adult continuing Education & Extension	Pattern of Technology Adoption in Relation to quality of life
295.	Prof. KTS Sarao	Buddhist Studies	Conception and birth of the Buddha: An Archaeological and textual examination of the pali legends.
296.	Dr. Mohammad Kazim	Urdu	Nasar Ghazali: Fan aur Fankar
297.	Dr. Shalin Jain	History	Historical Significance of Jain repositories (shastra bhandaras) in Bikaner district of Rajasthan: A Survey.
298.	Dr. Santosh Kumar Rai	History	The "Nimble fingers" Informal child labor and formal training schools in Handloom industry of early twentieth century.
299.	Dr. Charu Gupta	History	Innocent victims/'Guilty' Migrants: Hindi Public Sphere, Caste and Indentured Women in Colonial North India
300.	Dr. Shonaleeka Kaul	History	Asian Crossroads: Understanding the Cultural Location of Ancient.

301.	Dr. Vikas Gupta	History	The structure of modern education in India: A socio-historical perspective on the interplay of inequality and education
302.	Dr. Sanghamitra Misra	History	Trade, Tribute and Territory in the Garo Hills: mid 18th to the mid 19th century.
303.	Dr. Margit Koves	Slavonic & Finno Ugrian Studies	Reception of Indian and the Orient in Hungarian Literature - A Reader.
304.	Dr. Ravinder Singh	Slavonic & Finno Ugrian Studies	Development of Listening comprehension skills in Russian in Indian classroom.
305.	Dr. Girish Munjal	Slavonic & Finno Ugrian Studies	Compilation of Innovative Teaching Material on theory and practice of syntax of Russian language at post-graduate level.
306.	Dr. Meera Dwivedi	Sanskrit	Environment & Ecology: In the Light of Sanskrit literature.
307.	Dr. Subhash Chandra	Sanskrit	Development of Web based expert system for sanskrit grammar for E-learning: In case of subanta prakarana based on Laghusiddhantkaumudi.
308.	Dr. Ranjit Behera	Sanskrit	ऋग्वेदयसायना भास्यगता देवविसयका निर्वाचन विमारसह
309.	Dr. Pankaj K. Mishra	Sanskrit	सर्वदर्शनसंग्रह में परवर्तित चावार्कदर्शन और इसकी प्रासंगिकता
310.	Dr. Shruti Rai	Sanskrit	Elements of Bhartrihari's Philosophy towards shaping Abhinava Gupta's Philosophy of Language.
311.	Dr. A.S Yaruigam	African Studies	African Entrepreneurs in India: Prospects and Challenges.
312.	Dr. Suresh Kumar	African Studies	Geological Evidences and Social Connectivity of India and Africa
313.	Dr. Tribhuwan Prasad	African Studies	Piracy in Indian Ocean and India Somalia Relation.
314.	Prof. Chander Shekhar	Persian	Imaging of Indian culture: Rani Chnader kiran and raja Chaturbhuj, (Salar jung museum, Hyderabad manuscript.



315.	Dr. Ali Akbar Shah	Persian	An Annotated edition of Roja-i-Taj
316.	Dr. Aleem Ashraf Khan	Persian	A Critical edition of Tazkirah-e-khattateen by munshi bakhtawar khan.
317.	Prof. Ashwani Kumar Bansal	Law	Trends in Grants, Opposition and Enforcement of Patents.
318.	Dr. Gireesh Kumar J	Law	Displacement of tribal people in Kerala, A study with special reference to violation of land rights of adivases.
319.	Dr. P.B. Pankaja	Law	'Adoption' and 'Surrogacy' as two alternatives for natural parenting - Their legal dynamics and social preference - A comparative case study.
320.	Dr. Vageshwari Deswal	Law	A Critical Analysis of Indian legal provisions related to rape
321.	Dr. Sarbjit Kaur	Law	Judicial Review: High Courts versus Administrative Tribunals.
322.	Dr. Abanti Bhattacharya	East Asian Studies	China: A Re-territorialised nationalism from a civilizational state paradigm.
323.	Dr. Sandip Kumar Mishra	East Asian Studies	Exploring role and interests of Indian on the issue of Korean unification
324.	डॉ. सुधा सिंह	Hindi	उपन्यास आलोचना के नए सन्दर्भ और जैनेन्द्र के उपन्यास
325.	डॉ. सुधांशु शुक्ला	Hindi	सूरदास के काव्य में वर्णित वन और वनस्पतियों का ब्रिज क्षेत्र में अस्तित्व
326.	Dr. Deepika Bhaskar	Research Council	Innovative solutions for sustainable research- A road map for academic excellence and higher ranking for the University, Vision 2050.
327.	डॉ. रसल सिंह	Institute of Lifelong Learning	कृषि सभ्यता का संकट और समकालीन हिंदी कविता
328.	डॉ. मुन्ना कुमार पाण्डेय	Institute of Lifelong Learning	सांस्कृतिक रूपों 'नाच' (बिहार) और 'नचा' (छत्तीशगढ़) का तुलनात्मक अध्ययन
329.	Dr. Amrit Kaur Basra	Institute of Lifelong	Makers of Modern India: Satyawati and Salem.

		Learning	
330.	Dr. Ajay Kumar Singh	Commerce	Engagement of Students: A Case study of Gwalior district of Madhya Pradesh state in India.
331.	Dr. Vibha Maurya	Germanic & Romance Studies	Colonial Encounters: Discourses on Political Dreams/Nightmares in Latin American Literature
332.	Dr. Vijaya Venkataraman	Germanic & Romance Studies	Representation of Violence in Literature and Cinema from a comparative perspective.
333.	Dr. Jyoti Sabharwal	Germanic & Romance Studies	German Discourses on India from the Nineteenth Century to the Present(Part II)
334.	Dr.Kusum Aggarwal	Germanic & Romance Studies	Exploring role postcolonial connections: Rabindranath Tagore and Leopold Sedar Senghor.
335.	Prof. Minni Sawhney	Germanic & Romance Studies	The narco corrido: Cultural products of the Mexico - United States border.
336.	Dr. Ram Singh	Economics	Public private partnerships for Infrastructure.