

RESEARCH PROJECTS

CONTINUING/UNDERTAKEN BY TEACHERS OF THE UNIVERSITY DURING 2014-15 CHEMISTRY

<i>Sr. No.</i>	<i>Name of Teacher</i>	<i>Project Title</i>	<i>Funding Agency</i>	<i>Duration</i>	<i>Sanctioned Amount (Rs.)</i>
1.	Dr. T.S. Lobana	Metal Mediated Chemical Reactivity of Heterocyclic Thiones	UGC	2013-16	13,35,000
2.	Dr. R.K. Mahajan	Comprehensive study on the morphology of ionic liquids aggregates in the presence and absence of various additives	UGC-DAE- BARC Mumbai	2014-17	2,65,000
		Electrochemical Sensors for Cation/Anion Recognition	CSIR	ongoing	13,94,000
		A Comprehensive Study of Aggregate Assemblies of Surfactants- Triblock Polymer System	DST	ongoing	45,60,000
		Characterization of Self Assemblies of Surfactants in the presence of Bioactive Compounds	UGC	ongoing	13,35,000
3.	Dr. Subodh Kumar	Quaternary nitrogen based chromo and fluorogenic anion sensors	CSIR	2011-14	22,00,000
		Molecular probes for Nitroaromatic Explosives	BRNS	2013-16	24,00,000
		1-Arylbenzimidazolium based molecular architects for recognition of anions	DST	2013-16	50,00,000
4.	Dr. B.S. Randhawa	Synthesis of nano sized ferrites from precursor and combustion method: A comparative study	DRDO	2012-15	26,00,000
5.	Dr. Kamaljit Singh	Synthesis and evaluation of functional organic materials	SERB	2014-17	47,00,000
6.	Dr. Geeta Hundal	Synthesis, characterization and ion-recognition studies of nano particles based anion sensors employing hydrogen bonding interactions	CSIR	2011-14	13,00,000
7.	Dr. Sukhpreet Singh	Synthesis of some new cationic amphiphiles and evaluation of their surface and biological properties	DST	2011-14	36,76,000

8.	Dr. Manoj Kumar	Fluorogenic Sensing of Soft Metal Ions	UGC	ongoing	10,63,000
		Pentaquinone based Receptors: A Search for New Chemosensors	DRDO	ongoing	56,00,000
		Discotic Materials with Tunable Photophysical Properties	DST	ongoing	54,50,000
		Fluorogenic Sensors and Molecular Switches based on Thiacalix[4]arenes and Calix[4]arenes	CSIR	2011-14	17,00,000
9.	Dr. S.S. Chimni	Biotransformation of epoxides by recombinant epoxide hydrolase	DBT	2012-15	81,93,000
		Development of applications of cinchona alkaloids derived organocatalysts for asymmetric transformations	DST	2012-15	46,85,000
		Development of organocatalysts for enantioselective Michael Reactions	CSIR	2012-14	21,92,000
10.	Dr. Palwinder Singh	Lead optimization: Conjugates of small organic molecules-Design, synthesis, biological evaluation and mechanistic studies	CSIR, New Delhi	2011-14	19,00,000
		Targeting ABC transporters: Development of multi drug resistance modulators and fluorescent probes	DST, New Delhi	2012-15	38,00,000
		Synthesis of Rivaroxabin	Ranbaxy Laboratories	2012-14	6,00,000
		Design, Synthesis and evaluation of indole based compounds as anti-malarial and anti-tuberculosis agents	CSIR-CDRI (OSDD)	2012-14	6,00,000
		Charismatic world of peptides: Design, synthesis and evaluation of small peptides for anti-inflammatory and anti-microbial activities	CSIR	2015-17	20,00,000
11.	Dr. Paramjit Kaur	Electrospectrophotometric chemosensors	CSIR	2012-15	15,20,000
		Multichannel recognition of ionic analytes using ferrocene based sensors	UGC	2012-15	11,76,000
12.	Dr. Parampaul Kaur Banipal	Hydration Characteristics and Molecular Recognition of Saccharides.	CSIR	2011-14	17,00,000

13.	Dr. Vandana Bhalla	Synthesis of Discotic Receptors: Ion Sensing and Switching	UGC	2010-14	7,96,000
		Synthesis and Evaluation of Photophysical Properties of Discotic Materials	DST	2011-14	25,00,000
		Fluorescent Materials: Synthesis and Evaluation of Aggregation Behaviour	CSIR	ongoing	22,00,000
14.	Dr. Vipin Kumar	Intramolecular Amidolysis of Functionalized Monocyclic β -Lactams: Convenient Access to Novel Heterocyclic Scaffolds	CSIR	2011-14	16,00,000
		Multicomponent synthesis and evaluation of 4-aminoquinoline- γ - and δ -lactam bifunctional hybrids as potential antimalarial agents	BRNS	2011-14	15,00,000
15.	Dr. Prabhpreet Singh	Development of Perylene-Azobenzene Constructs and their Applications	CSIR	2012-15	20,00,000
		Polyamine-Dendronized perylenetetracarbox-diimides based water soluble Bola-Amphiphiles	DST	2013-16	24,00,000
		Abiotic Chemosensors: Self-assembly and (Bio) applications	UGC	2011-14	6,00,000
16.	Dr. Tejwant Singh Kang	Thermo-responsive Liquid Crystalline Microemulsions Based on Ionic Liquids: Preparation, Characterization and Applications	DST	2014-19	24,88,000
		Self-assembled Polymer Architectures and Their Composites with Quantum Dots in Ionic Liquids and Ionic Liquid/water Binary Mixtures	CSIR	2014-19	24,88,000

MATHEMATICS

17.	Prof. T.D. Narang	Approximation in Abstract Spaces	UGC		10,98,000
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PHYSICS

18.	Prof. B.S. Bajwa	A follow-up study of the radon, thoron and their progeny measurement in dwelling of Himachal Pradesh and HHP regions of Tusham, Haryana	DAE-BRNS	2011-15	25,00,000
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		using recent advance techniques.			
19.	Dr. Aman Mahajan	Anthracene based blue emitters for organic light emitting devices.	CSIR	2011-14	22,30,000
20.	Prof. B.S. Bajwa	Nodal Calibration enters in the Department of Physics, Guru Nanak Dev University, India to strengthen the Radon studies in Punjab, Haryana and Himachal Pradesh.	BRNS	2011-16	50,00,000
21.	Prof. N.P.S. Saini	Nonlinear excitations and solitary structures in multi-component plasmas.	UGC	2012-15	9,79,000
22.	Prof. R. Thangarajan	Study of chalcogenides defects for tailoring the phase change behavior in chalcogenides semiconductors.	DST	2012-15	20,80,000
23.	Dr. Bindiya Arora	Uncertainties in frequencies standards.	CSIR	2013-16	24,00,000
24.	Dr. Anupinder Singh	Irradiation induced magnetoelectric properties of 3D transition metal doped environment friendly Barium strontium Titanate.	IUAC	2013-16	5,79,000
25.	Prof. Atul Khanna	Study of effects of ion beams on the structure and properties of oxide glasses	IUAC	2013-16	6,80,000
26.	Prof. Atul Khanna	Nanostructured Multicomponent bismuth borate glasses and glass ceramics	DST	2013-16	6,45,000
27.	Prof. Atul Khanna	Synthesis and characterization of α -alumina coatings by HiPIMS	UGC-DAE-CSR	2014-17	1,35,000
28.	Dr. Anupinder Singh	Enhanced magnetoelectric properties in perovskites solid solutions for multiferroic devices.	DST	2014-17	23,00,000
29.	Dr. Aman Mahajan	Transitional metal sulphides based counter electrode for dye sensitized solar cells.	DAE-BRNS	2013-16	25,00,000

PHARMACEUTICAL SCIENCES

30.	Prof. M.P.S. Ishar	Design, synthesis and evaluation of novel isoxazolidine analogs of nicotine	UGC		15,00,000
31.	Prof. M.P.S. Ishar	Design, Synthesis, Conformational Studies and Evaluation of Some Novel Rigid	CSIR		12,00,000

		Scaffold for Peptidomimetics		
32.	Dr. Subheet Kumar Jain	Development and Characterization of carrier based nanogel formulation	DST	17,00,000
33.	Dr. Subheet Kumar Jain	Modernization of Pharmaceutics Research Lab	AICTE	18,50,000
34.	Dr. Subheet Kumar Jain	Development and Characterization of Vitamin E TPGS based Nanoemulsion Formulation for Sustained and Targeted Delivery of Anti-fungal Agent	UGC	11,59,000
35.	Dr. P.M.S. Bedi	Triazole tethered pyrazolyl chalcones and isatin bifunctional hybrids: synthesis and anticancer evaluation	ICMR	9,50,000
36.	All Faculty members	DST-Purse Scheme	DST	18,55,000

FOOD SCIENCE AND TECHNOLOGY

37.	Dr. Narpinder Singh	Chemical, rheological and processing quality of fractions produced by successive size reduction milling of different wheat varieties.	DST	69,20,000
38.	Dr. Narpinder Singh	Modification of Starches from different botanical sources.	UGC	9,71,000
39.	Dr. Narpinder Singh	Diversity in processing quality amongst corn genotypes grown in Indian Himalaya.	DST	55,00,000
40.	Dr. Narpinder Singh	Evaluation of genetic diversity in kidney bean and field pea germplasm for some important traits.	DBT	58,00,000
41.	Dr. Narpinder Singh	J.C. Bose Fellowship Grant.	DST	68,00,000
42.	Dr. Narpinder Singh	Functional and film forming properties of selected cereals and legume grain proteins.	CSIR	19,00,000
43.	Dr. D.S. Sogi	Ascertaining Immunoreactivity of gliadin isolated from North Indian wheat cultivars, probiotic fermented dough and gluten free products.	DBT	44,50,000
44.	Dr. H.S. Gujral	Processing and value addition of hulless barley by extracting β -glucans, polyphenols and antioxidants for utilization in	CSIR	16,12,000

		functional foods.			
45.	Dr. Amritpal Kaur	Factor governing the quality of baked, extruded and indigenous products: role of wheat constituents and improving agents.	CSIR		20,00,000
46.	Dr. Amritpal Kaur	Characterization and Utilization of banana flour in different products.	UGC		12,00,000
47.	Dr. Amritpal Kaur	Quality characterization and utilization of durum wheat cultivars.	DST		24,22,000
48.	Dr. Maninder Kaur	Characterization and modification of starch and protein from tamarind (<i>Tamarindus indica</i> L.) kernel	UGC		12,17,000
49.	Dr. Bhavnita Dhillon	Physicochemical, cooking, textural and digestibility characteristics of quick cooking rice/brown rice prepared from different cultivars	UGC		6,00,000
50.	Dr. N.S. Sodhi	Development of Electromyographic methodologies to study texture of Indian foods.	UGC		16,61,000
51.	Dr. R.S.S. Kaler	Charaterization and modification of cereal grains for value addition.	UGC		14,22,000

BOTANICAL AND ENVIRONMENTAL SCIENCES

52.	Prof. Renu Bhardwaj	Insight into 24-Epibrassinolide mediated synthesis of stress protective proteins and enzymes in <i>Brassica juncea</i> under Cu stress using Biochemical and Molecular Approaches	CSIR	2011-14	33,00,000
53.	Prof. Renu Bhardwaj	Isolation and Characterization of Brassinosteroids and Polyamines from <i>Brassica juncea</i> L. Plants under Cadmium metal stress	UGC	2011-14	12,00,000
54.	Prof. Saroj Arora	Assessment of cytotoxicity induced by phytochemicals of <i>Acacia nilotica</i> (L.) Willd Ex Del. via apoptotic pathways mediated through Caspases activating activities in human cancer cell lines	UGC	2011-14	11,38,000

55.	Prof. Saroj Arora & Dr. Adarsh Pal Vig	Profiling and quantification of hydrolytic products of Glucosinolates from germplasm of <i>Brassica juncea</i> (L.) Czern & <i>Eruca sativa</i> (Mill.) Thell. And their anticancer activity.	DST	2012-15	54,00,000
56.	Dr. Adarsh Pal Vig	DNA topoisomerase inhibitory effects of glucosinolates from <i>Brassica rapa</i> and <i>Raphanus sativus</i>	UGC	2011-14	8,26,800
57.	Dr. Jaswinder Singh & Dr. Adarsh Pal Vig	Ecological and Taxonomic distribution of Earthworms in Punjab: Effect of Soil Quality and heavy metal	DST	2014-17	27,00,000
58.	Dr. Satwinderjeet Kaur	Investigation on quinones and imidazoles as apoptosis-inducing and COX-2 inhibiting agents	CSIR	2011-14	20,00,000
59.	Prof. Subodh Kumar & Dr. Satwinderjeet Kaur	Quaternary nitrogen based chromo and fluorogenic anion sensors	CSIR	2011-14	18,60,000

HUMAN GENETICS

60.	Dr. A.J.S. Bhanwer (Principal Investigator)	Association analysis of different candidate genes and their expression in type 2 diabetes patients in Punjab	UGC (CPEPA) New Delhi	Continuing	2,25,000
61.	Dr. A.J.S. Bhanwer (Principal Investigator)	To study the association of different candidate genes involved in the pathophysiology of type 2 diabetes and its complications and to study their expression in the population of Punjab	UGC (UPE) New Delhi	Continuing	1,50,000
62.	Dr. Sharda Sidhu (Principal Investigator)	Metabolic syndrome and associated risk factors	UGC (CPEPA) New Delhi	Continuing	1,20,000
63.	Dr. Vasudha Sambyal (Principal Investigator) Dr. Kamlesh Guleria (Co-Principal Investigator)	Assessment of <i>HIF-1α</i> and <i>TP53</i> as prognostic markers in esophageal cancer – A multidisciplinary approach	DST New Delhi	Continuing	49,68,000
64.	Dr. Vasudha Sambyal (Principal Investigator)	Assessing <i>BRAC1</i> in sporadic breast cancer patients	UGC New Delhi	Continuing	7,12,000

65.	Dr. Vasudha Sambyal (Principal Investigator) Dr. Kamlesh Guleria (Co-Principal Investigator)	Risk assessment for cancer	UGC (CPEPA) New Delhi	Continuing	1,20,000
66.	Dr. Vasudha Sambyal (Principal Investigator) Dr. Kamlesh Guleria (Co-Principal Investigator)	Risk assessment for cancer in population exposed to pollutants	UGC (UPE) New Delhi	Continuing	1,30,000
67.	Dr. Vanita Kumar (Principal Investigator)	Genetic analysis in cases with type 2 diabetes mellitus (T2DM) and diabetic retinopathy (DR)	UGC (CPEPA) New Delhi	Continuing	1,20,000
68.	Dr. Vanita Kumar (Principal Investigator)	Biochemical and molecular genetic analysis in cases with type 2 diabetic retinopathy	UGC (UPE) New Delhi	Continuing	1,30,000
69.	Dr. Gursatej Gandhi (Principal Investigator)	Genetic polymorphism in relation to renal disease, genetic damage and biomarker responses	UGC New Delhi	Completed	9,56,800
70.	Dr. Gursatej Gandhi (Principal Investigator)	Genetic polymorphism, DNA damage and oxidant status in individuals residing in the vicinity of mobile phone base stations	ICMR New Delhi	Completed	26,44,092
71.	Dr. Gursatej Gandhi (Principal Investigator)	NPHS2 gene polymorphisms and DNA damage assessment in diabetic-renal disease patients	UGC (CPEPA) New Delhi	Continuing	1,20,000
72.	Dr. Gursatej Gandhi (Principal Investigator)	Micronucleus frequencies as precancerous lesions related to micronutrient status in a healthy group on and without dietary supplements	UGC (UPE) New Delhi	Continuing	1,30,000
73.	Dr. Anupam Kaur (Principal Investigator)	Prevalence of genetic disorder, existing genetic literacy and its augmentation among SC population of Punjab from Fatehgarh District of Punjab	PSCST Chandigarh	Continuing	1,00,000
74.	Dr. Anupam Kaur (Scientist Mentor)	Prevalence of genetic polymorphisms among North India mothers as risk factors for Down syndrome — DST Women Scientist Project sanctioned to Miss Amandeep Kaur	DST New Delhi	2014-2017	17,69,000

75.	Dr. Anupam Kaur (Principal Investigator)	Chromosomal aberration (CA) analysis and molecular analysis for genetic polymorphism in GSTT1 and GSTM1 genes among pesticides users in Amritsar	UGC (UPE) New Delhi	Continuing	1,25,000
76.	Dr. Badaruddoza (Principal Investigator)	Study of genetic polymorphisms of short tandem repeat (STR) loci in Punjabi population of North-West Punjab	UGC New Delhi	Completed	10,00,000
77.	Dr. Badaruddoza (Principal Investigator)	Multifactor dimensionality reduction to study interactions associated with type 2 diabetes	UGC (CPEPA) New Delhi	Continuing	1,25,000
78.	Dr. Manpreet Kaur (Principal Investigator)	Association of mannose binding lectin polymorphism and serum protein levels in chronic obstructive pulmonary disorder (COPD) and rheumatoid arthritis (RA) patients in Punjab	UGC New Delhi	Completed	12,25,574
79.	Dr. Manpreet Kaur (Principal Investigator)	Association of galectin-3 polymorphism, its serum levels and oxidative stress biomarkers with rheumatoid arthritis (RA)	DST (Fast-Track) New Delhi	Continuing	23,30,000
80.	Dr. Manpreet Kaur (Co-Principal Investigator)	Molecular cloning and expression of two insecticidal lectins	DST (SERC) New Delhi	Continuing	48,50,000
81.	Dr. Kamlesh Guleria (Principal Investigator)	Assessment of <i>HIF-1α</i> and <i>TP53</i> polymorphisms and their serum levels in breast cancer patients	UGC New Delhi	Continuing	14,74,000
82.	Dr. Sanjana Mehrotra (Principal Investigator)	Investigating the role of IL-6 in hypoxia mediated retinal ganglionic cell death: a hallmark of glaucoma	UGC New Delhi	Continuing	6,00,000

MICROBIOLOGY

83.	Dr. D.S. Arora	Profiling of <i>Moringa oleifera</i> Endophytes with Antimicrobial Potential.	UGC	2014-17	10,70,000
84.	Dr. B.S. Chadha	Thermophilic fungi from diverse ecosystems and their potential for producing industrially important enzymes.	AMAAS (ICAR)	2014-17	31,50,000
85.	Dr. B.S. Chadha	Developing fungal strains for enzyme production through mutagenesis, protoplast fusion and use of synthase promoter.	DBT	2013-16	26,00,000

86.	Dr. B.S. Chadha	Increasing the efficiency of microbial production of bioethanol from agricultural biomass.	ICAR (NFBSFARA)	2011-16	45,14,000
87.	Dr. H.S. Saini	Bioremediation of e-waste for precious metal recovery and removal of polybrominated diphenyl ethers.	DBT	2013-16	13,20,000
88.	Dr. H.S. Saini	Developing efficient microbial inocula for degradation of textile dyes and their amines: genotoxicity evaluations for validation of their degradation potential.	DBT	2011-15	28,00,000
89.	Dr. R.K. Manhas	Isolation of endophytic and soil actinobacteria and evaluation of their plant growth promoting potential.	UGC	2014-17	8,96,000
90.	Dr. Sukhraj Kaur	In vitro evaluation of anticancer and antimicrobial properties of novel bacteriocins from human lactic acid bacteria.	UGC	2013-16	11,78,000
91.	Dr. Partapbir Singh	Development of cost effective bioprocesses for biosurfactant production: its effective scale-up.	DST	2013-16	24,35,000

MOLECULAR BIOLOGY AND BIOCHEMISTRY

92.	Dr. Manpreet Kaur (Principal Investigator) Dr. Jatinder Singh (Co-Principal Investigator)	Association of Mannose Binding Lectin Polymorphism and Serum Protein Levels in Chronic Obstructive Pulmonary Disorder (COPD) and Rheumatoid Arthritis in Punjab	UGC, New Delhi	2011-14	15,00,000
93.	Dr. Jatinder Singh (Principal Investigator) Dr. Manpreet Kaur (Co-Principal Investigator) Dr. Rachna Hora (Co-Principal Investigator)	Molecular cloning and expression of two insecticidal lectins.	DST New Delhi	2013-16 (ongoing)	48,50,000
94.	Dr. Rachna Hora (Principal Investigator) Dr. P.C. Mishra	Structure-function analysis of an exported parasite protein	DBT	2013-16 (ongoing)	43,00,000

95.	(Co-Principal Investigator) Dr. Seema Madhumal Thayil (Principal Investigator)	Comparison of Phenotypic and Genotypic Resistance in TB & HIV isolates from previously treated and treatment naïve coinfecting individuals	DST	2013-16 (ongoing)	25,00,000
96.	Dr. Anup Kumar Kesavan (Principal Investigator)	Functional characterization of the iron regulatory negative repressor gene <i>sirR</i> in <i>Mycobacterium smegmatis</i> .	CSIR	2013-16 (ongoing)	30,00,000
97.	Dr. Dalbir Singh Sogi (Principal Investigator) Dr. P.K. Sehajpal (Co-Principal Investigator)	Ascertaining immune reactivity of gliadin isolated from North Indian wheat cultivars, probiotic fermented dough and gluten free products.	DST	2013-16 (ongoing)	41,50,000
98.	Dr. Gagandeep Kaur Gahlay (Principal Investigator)	Characterization of the role of carbohydrates in sperm-egg interactions.	DBT	2014-17 (ongoing)	35,00,000

BIOTECHNOLOGY

99.	Dr. Gurcharan Kaur	Behavioral and molecular study of relationship between chronic sleep deprivation and cognitive impairments	DST-CSIR		40,00,000
100.	Dr. P.K. Pati	Developing fungal strains for enzyme production through mutagenesis, protoplast fusion and over expression using <i>A. niger</i> citrate synthase promoter	DBT		60,00,000
101.	Prof. Prabhjeet Singh	Heat stress induced calmodulin binding proteins in sorghum: Characterization cloning and expression analysis	DBT		64,85,000
102.	Dr. P.K. Pati	Development of a Molecular Detection System for <i>Alternaria</i> species infecting <i>Withania Somnifera</i> (L) and analysis of post-infectious changes during leaf spot disease using biochemical and molecular approaches.	CSIR		21,70,000
103.	Dr. P.K. Pati	Insight into 24-epibrassinolide mediated synthesis of protective proteins and enzymes in <i>Brassica juncea</i> L. under copper stress.	CSIR		20,00,000

104.	Dr. P.C. Mishra Dr. Ramandeep Kaur	Structure function studies on a conserved essential malaria parasite containing PEXEL motif	DBT		26,48,000
105.	Prof. Gurcharan Kaur	Investigation on the therapeutic potential applications of PSA mimetics in cell culture and mouse models of brain injury and disease	ICMR (Indo-German Scheme)		45,00,000
106.	Prof. Gurcharan Kaur	Use of Ashwagandha derived phytochemicals for development of differentiation-based therapy of brain cancers.	DBT		75,00,000
107.	Prof. Gurcharan Kaur	Cellular and molecular mechanisms of adverse effects of antiepileptic and mood stabilizing drugs	DBT		59,00,000
108.	Prof. Gurcharan Kaur	Reproductive neuroendocrine dysfunction in cycling female rats treated with antiepileptic drugs	UGC		11,67,000
109.	Dr. P.K. Pati	Insights into secondary metabolite production and their accumulation in <i>Withania Somnifera</i> using <i>in vitro</i> propagation system	DBT		92,00,000
110.	Dr. Ramandeep Kaur	Cloning, expression and characterization of truncated globins (HbN and HbO) from <i>Myxococcus xanthus</i> .	DBT		24,95,000
111.	Dr. Ramandeep Kaur	Myxobacteria from North Indian Plains: diversity and potential for novel anti-infectives	CSIR		18,74,000

ZOOLOGY

112.	Dr. Sanehdeep Kaur	Developing strategies for biological control of <i>Spodoptera litura</i> (Fab.) by understanding the role of gut microflora in its survival and fitness.	DBT	2012-15	35,35,400
113.	Dr. Puja Ohri	Evaluation of stress protective properties of 24-epibrassinolide in plants during nematode infection.	UGC	2012-15	13,37,800

COMPUTER SCIENCE AND ENGINEERING

114.	Dr. Kuljit Kaur	Tracking Open Source Software Evolution for Characterization of its Evolutionary Behaviour.	UGC	2012-15	9,35,800
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COMMERCE AND UNIVERSITY BUSINESS SCHOOL

115.	Dr. Jasveen Kaur	Gender Differentiation in Projecting Antecedents & Consequentials of Impulse Buying Behaviour of Indian Retail Shoppers.	UGC		10,23,000
116.	Dr. Jaspal Singh	Major Research Project (UGC) continuing, "Soliciting enhanced Income Tax Compliance – Individual Self employed Assessee perspective" Sanctioned	UGC		4,42 Lacs
117.	Dr. Mandeep Kaur	Service Quality; Customer Satisfaction and Customer Retention in Tourism Sector : A Study of punjab, Funding Agency; UGC, Grant Received	UGC		6,12,000
118.	Dr. Aparna Bhatia	Received grant worth Rs. 700, 3000 from UGC for pursuing <i>Major Research Project</i> on the topic: Contemporary Issues in Corporate Social Reporting Practices in India: A Journey from Voluntary to Mandatory Regime, in September, 2014.	UGC		
119.	Dr. A.S Sidhu & Dr. Gurpreet Kaur Randhawa	Status of Public Health Care Services in Punjab : A Case Study of Punjab Health Systems Corporation (PHSC).	UGC		10, 22,000 (Approved)

POLITICAL SCIENCE

120.	Prof. Jagrup Singh Sekhon (Principal Investigator) Dr. Anjali Mehra (Co-Investigator) Dr. Harpreet Kaur (Co-Investigator)	Life at the Cutting Edge: Political Sociology of the People living in the Borderbelt of Punjab.	UGC	2014-16	10, 65000 Approx..
121.	Prof. J.S.Sekhon	National Election Studies 2014: Tracker Poll II, 4-10, January, 2014.	Centre for the Study of Developing Societies,	Completed	

			New Delhi	
122.	Prof. J.S. Sekhon	National Election Studies 2014, "Pre-Poll Election Study in Punjab", March 19-23, 2014.	Centre for the Study of Developing Societies, New Delhi	Completed
123.	Prof. J.S. Sekhon	National Election Studies 2014: "16 th Parliamentary Elections in Punjab", May 1 -7, 2014.	Centre for the Study of Developing Societies, New Delhi	Completed

HINDI

124.	Dr. Sudha Jatinder	Comparative Study of Hindi and Punjabi Languages in the context of Modern Indian Aryan Languages (In the special context of Punjab)	UPE	
125.	Dr. Sunil	Hindi aur Punjabi ke hindi Upnayaskaron ke chayanit upnayason ka sanskritik Adhyayan	UPE	
126.	Dr. Sunita Sharma	Madhyakaleen aur Aadhunik Hindi Sahitya mein Paryavaran chetna	UPE	

SANSKRIT, PALI AND PRAKRIT

127.	Dr. Lekh Ram Sharma	Sanskrit as a source of Western Pahari's Kahloori Dialect.	UGC (Emeritus Fellowship)	2,90,000
128.	Dr. Renu Bala	Valmiki Ramayan Tatha Ramlubhaya Krit Panjabi Ramayan: A Comparative Study.	Under Comparative Literature, Language and Culture holistic area, development component of the UGC Scheme of UPE	16,000 p.m. (fixed) to Project Fellow

129.	Dr. Dalbir Singh	Nitishastra Tatha Dharmashastra: A Comparative Study.	Under Comparative Literature, Language and Culture holistic area, development component of the UGC Scheme of UPE	14,000 p.m. (fixed) to Project Fellow
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MUSIC

130.	Prof. Gurpreet Kaur	Padam Bhushan Dr. Sardar Anjum Ki Rachnayanon Ka Sangeetak Vishleshan (Gazal Ke Vishesh Sandarbh Mein).	UGC	12,39,800
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GURU NANAK STUDIES

131.	Prof. Shashi Bala	Thematic Glossary of Guru Nanak Bani	SAP	
132.	Dr. Manvinder Singh	Thematic Glossary of Guru Angad Bani	-	
133.	Dr. Bharatbeer Kaur Sandhu	Thematic Glossary of Guru Amardas Bani	-	
134.	Dr. Mohubat Singh	Thematic Glossary of Guru Ramdas Bani	-	
135.	Mrs. Sandeep Kaur	Thematic Glossary of Guru Arjan Dev Bani	-	
136.	Dr. Pawan Kumar	Thematic Glossary of Bhagat Bani	-	

SPORTS MEDICINE AND PHYSIOTHERAPY

137.	Dr. Shweta Shenoy	Nutrition and Bone Health of Women of Punjab – A Community Study.	DST	2012-14	17,61,270
138.	Dr. Shweta Shenoy	Analysis of the effectiveness of physical activity protocols on physiological and psychological parameters of patients with type 2 Diabetes	UGC Major Project	2011-14	12,82,277
139.	Mr. Amrinder Singh	Evaluation of the Prevalence of Type 2 Diabetes Mellitus, Hypertension and Metabolic Syndrome and awareness of its Risk Factors in the Urban Punjabi	UGC Minor Project	Continuing	2,00,000

Sikh population

DIRECTORATE OF RESEARCH

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| 140. | Directorate of Research, Guru Nanak Dev University, Amritsar | DST-Purse Scheme (Promotion of University Research Scientific Excellence) | Letter No. SR/S9/Z-23/2010/20 (C) dated 02-06-2011. (5 years) | 9,00,00,000 crore |
| 141. | Directorate of Research, Guru Nanak Dev University, Amritsar | UPE- Scheme (University with Potential for Excellence)- UGC | Letter No. F.14-2/2008 (NS/PE) dated 04-01-2012. | 50,00,00,000 |

CENTRE ON STUDIES IN SRI GURU GRANTH SAHIB

142. *Japuji Sahib: Sarabpakhi Viakhia* by Prof. Gulzar Singh Kang.
143. *Haqiqat-i-Sikhan* by Prof. Balwant Singh Dhillon.
144. *Sri Guru Granth Sahib: Arabi Farsi Shabadawali Kosh* by Dr. Amarwant Singh, Dr. Balwant Singh Dhillon and Dr. Muhabat Singh.
145. *Sri Guru Granth Sahib ki Mulya-Mimansa* by Prof. Jaswinder Kaur Dhillon.
146. *Gurbani: Viakhia ate Viakhia Shastar* by Dr. Balwant Singh Dhillon and Miss Bindu.
147. *Sri Guru Granth Sahib and the North American Sikh Diaspora* by Dr. Gurcharan Singh Bal has been published in the issue of the Journal of the Centre.
148. *The Sikh Perspective on Communal Harmony* by Dr. Gurnam Singh Sanghera.
149. *Economics of Sikh Religion* by Dr. Amrik Singh Rakhra.
150. Journal *Perspectives on Guru Granth Sahib* of the Centre Vol. 8, 2013 has been published.

Research Projects in Porgress

151. ਵਿਆਖਿਆ: ਸ੍ਰੀ ਗੁਰੂ ਗ੍ਰੰਥ ਸਾਹਿਬ
152. Descriptive Catalogue of Devotional Literature in Gurumukhi.
153. Documentation of Relics of the Sikh Gurus.
154. Study and Translation of Persian Sources on the Sikh Gurus.
155. Critical Text of the Sources on Sikh History and Religion.
156. Glossary of Musicology of Sri Guru Granth Sahib.
157. A Critique of Literature on Gurbani Sangeet
158. The Role of Sri Guru Granth Sahib for Religious Harmony.
159. Recording of Oral Sikh Tradition and 1947 Partition of India Related Stories
160. Upgradation of Bibliography on Sikh Studies
161. Dictionary of Sri Guru Granth Sahib: S. Manmohan Singh

162. Writing Sikh Philosophy in its own Terms
163. The Significance and Relevance of Sri Guru Granth in the Future North-America Generation
164. Sri Guru Granth Sahib & Caste System
165. Analysis and Authentic Version of Manuscripts of Rahatnamas
166. Sikh Perspective on the Others: A Source Book
167. A Descriptive List of the Manuscripts of Sri Guru Granth Sahib