

Young Scientist Scheme-IV Meeting of Expert Committee in the area of Life Sciences.
List of Recommended projects

S.No.	Registration No.	PI Name & Address	Project Title
1.	SERB/LS-1/2013	Dr. Faheem Ahmad Deptt of Botany, Aligarh Muslim University, Aligarh-202 002 Uttar Pradesh	Tomato disease resistance genes to <i>Meloidogyne</i> spp and plant defence mechanism
2.	SERB/LS-2/2013	Dr. U. Ramesh Deptt of Molecular Biology, School of Biological Sciences, Madurai Kamaraj University, Palkalai Nagar Madurai-625 021 Tamil Nadu	Effect of anthropogenic activities on water quality, genetic diversity and composition of freshwater murrel fishes in Tamilnadu - mitochondrial DNA approach
3.	SERB/LS-5/2013	Dr. R. Balaji Deptt of Molecular Oncology, Cancer Institute (WIA), 38, Sardar Patel Road, Adyar, Chennai-600 036 Tamil Nadu	In vivo assesment of toxicity and efficacy of MPP hydrochloride and epigallocatechin-3-gallate in cervical cancer
4.	SERB/LS-6/2013	Dr. Bandari Suresh Deptt of Pharmaceutics, St.Peter's Institute of Pharmaceutical Sciences Vidyanagar, Hanamkonda Warangal-506 001 Andhra Pradesh	Novel stategies for improvement of physiocochemical characteristics and bioavailability of some active pharmaceutical ingredients
5.	SERB/LS-7/2013	Dr. Sapan Kumar Deptt of Seed Science and Technology, CSK Himachal Pradesh Krishi Vishwavidyalya, Palampur-176 061 Himachal Pradesh	Diversity, cultivation, nutritional and nutraceutical aspects of genus cordyceps fr. from North West India
6.	SERB/LS-8/2013	Dr. Ramesh BN Neuro Chemistry Lab, Center for Nano and Material Science, Jain University Jain Global Campus Lakkasandra Post, Kanakapura Taluk, Ramanagar-562 112 Karnataka	Novel natural molecules as anti-inflammatory mediators: relevance to alzheimer's disease drug discovery
7.	SERB/LS-12/2013	Dr. Tabrez Jafar MMIG-57, Sec-C SBI Colony, Jankipuram, Lucknow-226 021 Uttar Pradesh	Clinico-genetic correlation of osteoporosis in North Indian postmenopausal women
8.	SERB/LS-17/2013	Dr. Linda Koshy Vaidyan H-19, Centre for Development Studies, Prasanth Nagar, Ulloor Trivandrum-695 011 Kerala	MicroRNAs is essential hypertension: understanding the role of SNPs in miRNA binding sites in 3'UTRs of target candidate genes influencing blood pressure
9.	SERB/LS-18/2013	Dr. Viji R.I Resmi, Kootathengil House, Arasummoodu, Kulathoor P.o. Thiruvananthapuram-695 583 Kerala	Directed evolution of soluble vascular endothelial growth factor receptor- an anti-angiogenic approach
10.	SERB/LS-19/2013	Dr. Vinutha T Room No- 308, Division of Biochemistry, Indian Agricultural Research Institute, Pusa Campus New Delhi-110 012 Delhi	Screening soybean germplasm for alpha-tocopherol content and assessing the expression of gamma-tocopherol methyl transferase (γ -TMT) gene in contrast
11.	SERB/LS-22/2013	Dr. Anil Kumar Dubey Network Project on Insect Biosystematics (21-17), Division of Entomology, Indian Agricultural Research Institute, Pusa Campus New Delhi-110 012 Delhi	Morphological taxonomy of the family aleyrodidae westwood (Hemiptera: Sternorrhyncha) of India: revisions of the genera and species

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12.	SERB/LS-23/2013	Dr. Amit Seth School of Bioengineering, Shoolini University Bajhol, Solan-173 212 Himachal Pradesh	Isolation, optimization and cloning of nitrilase of thermophilic isolate from hot springs of Himachal Pradesh and its application in mandelic acid synthesis
13.	SERB/LS-27/2013	Dr. Abhilash E.S Deptt of Botany, Sree Narayana College Post- Nattika, Thrissur-680 566 Kerala	Biodiversity mapping of sholayar reserved forest, Southern Western Ghats of India
14.	SERB/LS-28/2013	Dr. Ritu Pasrija Deptt of Biochemistry, Maharshi Dayanand University Rohtak-124 001 Haryana	Study of importance of phospholipids in membrane rafts and virulence of fungal pathogens
15.	SERB/LS-31/2013	Dr. Korripally Premsagar Deptt of Biotechnology, University College of Science & Informatics, Mahatma Gandhi University Yellareddygudam Nalgonda-508 254 Karnataka	Role of CorA family magnesium transporter in development of neurospora crassa sexual cycle
16.	SERB/LS-33/2013	Dr. Anamika Bose Division of Molecular Medicine, Bose Institute, P1/12, C.I.T. Scheme VIIM Kolkata-700 054 West Bengal	Influence of tumor associated pericytes on CD8+ T cell functions
17.	SERB/LS-37/2013	Dr. Sanjeev Kumar Shukla S/o Mr.Ram Krishna Shukla, Vill: Bharatpur, P.o:- Ashok Nagar, Via: Paliya-Sampurnanagar, Thana: Hazara Pilibhit-262 904 Uttar Pradesh	Developing gene signature against mycobacterium bovis infection in cattle
18.	SERB/LS-43/2013	Dr. Shashi Sharma B-362,FF-2, Shakti Khand-III, Indirapuram Ghaziabad-201 010 Uttar Pradesh	Hydrocarbon degradation and concomitant biosurfactant production from extremophilic micro-organisms using renewable sources with application as antimicrobial agent and in enhanced oil recovery
19.	SERB/LS-44/2013	Dr. Prachi Bhargava J3 Block, Amity Institute of Biotechnology, Amity University Sec- 125, Noida-201 301 Uttar Pradesh	Gene targeted metagenomics for isolation and characterization of psychrophilic protease(s) of Western Indian Himalayas
20.	SERB/LS-48/2013	Dr. Gyan Prakash Mishra Plant Breeding, Crop Improvement Division, Directorate of Groundnut Research (ICAR), P.B. No.05, Ivnagar Road, Junagadh-362 001 Gujarat	Genetic characterization of high O/L groundnut genotypes and ORF allele polymorphism of ahFAD2 genes of selected groundnut genotypes
21.	SERB/LS-51/2013	Dr. Vijayanti Abhijit Tamhane F-603, Serene Country, Near Lokmat Press, Vadgaon Khurd, Sinhad Road Pune-411 041 Maharashtra	Exploring sorghum bicolor-pest interactions for developing insect tolerance in plants
22.	SERB/LS-55/2013	Dr.(Mrs.) Priyanka Chandra C/o Mr Pankaj Kumar, Quarter No. C2542 New Refinery Township Panipat-132 140 Haryana	Production of antioxidant and antihypertensive bioactive peptides from milk proteins by proteolytic lactobacilli
23.	SERB/LS-57/2013	Dr. Anindita Bhadra Behaviour and Ecology Lab, Deptt of Biological Sciences, Indian Institute of Science Education and Research- Kolkata, PO: BCKV Main Campus, Mohanpur, Nadia-741 252 West Bengal	Parental care and social dynamics in free-ranging dogs in India

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24.	SERB/LS-59/2013	Dr. Nabanita Halder D-59, Ground Floor, Hauz Khas New Delhi-110 016 Delhi	Development and preclinical studies of a novel topical formulation of isoflavones for the treatment of postmenopausal dry eye
25.	SERB/LS-60/2013	Dr. Sudhikumar A.V Deptt of Zoology, Christ College Irinjalakuda-680 125 Kerala	Diversity and bioecology of spiders in Wayanad wildlife sanctuary of Western Ghats Kerala
26.	SERB/LS-61/2013	Dr. Babasaheb B.Fand Agricultural Entomology, School of Atmospheric Stress Management, National Institute of Abiotic Stress Management (ICAR), Malegaon Baramati-413 115 Maharashtra	Predicting the impact of climate change on regional and seasonal abundance of major soybean insect pests using temperature-driven phenology modeling and GIS-based risk mapping approach
27.	SERB/LS-62/2013	Dr. Vinita Hooda Deptt of Botany, M.D.University Rohtak-124 001 Haryana	Fabrication of photometric sensing strip for polyamine determination
28.	SERB/LS-68/2013	Dr. Shahina Parveen Plant Biotechnology Laboratory, Deptt of Botany, Aligarh Muslim University Aligarh-202 002 Uttar Pradesh	Assessment of intraspecific genetic diversity through molecular markers, sennosides estimation and in vitro propagation of <i>C.angustifolia</i> Vahl
29.	SERB/LS-69/2013	Dr. Dibyendu Kamilya Deptt of Fish Health and Environment, College of Fisheries, Central Agricultural University Lembucherra-799 210 Tripura	Development of a "biofloc-probiotic" integrated system for aquaculture bioremediation and fish health management
30.	SERB/LS-70/2013	Dr. Nidhi Chauhan D/o Shri M.C.Chauhan, H.No.9 Street No. 5/B, Shri Krishna Colony Chandra Nagar,Moradabad-244 001 Uttar Pradesh	Construction of an amperometric glycated hemoglobin biosensor based on Au-Pt bimetallic nanoparticles and poly (indole-5-carboxylic acid) modified au electrode
31.	SERB/LS-75/2013	Dr. Mankesh Kumar Deptt of Plant Breeding and Genetics, Bihar Agricultural University Sabour, Bhagalpur-813 210 Bihar	Breeding for architectural modification of katarni rice through marker assisted selection
32.	SERB/LS-77/2013	Dr. Sudeshna Mukherjee Chowdhury 77/1, Pooja Marg, BITS-Pilani Pilani Campus, Vidya Vihar Pilani-333 031 Rajasthan	A mechanistic analysis of the role of pro-inflammatory cytokines in induction of epithelial to mesenchymal transition in hepatocellular carcinoma
33.	SERB/LS-81/2013	Dr. V. Pooja Amity Institute of Biotechnology, Amity University, Sec-125 Noida-201 303 Uttar Pradesh	Fungal melanin synthesis pathway as a possible drug target against aspergillosis
34.	SERB/LS-82/2013	Dr. Saroj Kumar C/o Dr.Pradip Nahar (Scientist-F), CSIR-Institute of Genomics and Integrative Biology Mall Road, Delhi-110 007	Engineering of actin filaments for the development of the next generation diagnostic nano-devices
35.	SERB/LS-83/2013	Dr. Ashish Baldi ISF College of Pharmacy Vil. Ghal Kalan, Ludhiana-Ferozpur GT Road, NH-95, Moga-142 001 Punjab	Development of sebacina vermifera based biofertilizer formulation for improved plant performance and crop productivity
36.	SERB/LS-84/2013	Dr. Sukhvinder Pal Singh National Agri-Food Biotechnology Institute (NABI) C-127, Industrial Area Phase-VIII, Ajitgarh, Mohali-160 071 Punjab	Metabolomics approach to discovery and validation of biomarkers for artificial fruit ripening induced through prohibited and acceptable ripening elicitors

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37.	SERB/LS-85/2013	Dr. Tirthankar Bandyopadhyay C/o Dr. Sudripta Das, Deptt of Biotechnology, Tea Research Association (TRA), Tocklal Experimental Station, P.O: Cinnamara Jorhat-785 008 Assam	Biotic stress induced DNA methylation changes in rice
38.	SERB/LS-86/2013	Dr. Rajasekar Aruliah C/o Dr. S.Maruthamuthu, Scientist and Deputy Director, Corrosion Protection Division, Central Electrochemical Research Institute, Karaikudi-630 006 Tamil Nadu	Electrochemical and biocorrosion behavior of thermophilic/barophilic bacteria with special reference to petroleum industry
39.	SERB/LS-87/2013	Dr. Sangeeta Kundu Biophysics Division, Saha Institute of Nuclear Physics, 1/AF Bidhannagar Kolkata-700 064 West Bengal	Experimental and computational study of the aggregation pathway of alpha synuclein
40.	SERB/LS-99/2013	Dr. Raza Ali Naqvi Room No. 3028, Deptt of Biochemistry, All India Institute of Medical Sciences Ansari Nagar, New Delhi-110 029 Delhi	To evaluate the mechanisms of immune suppression during the progression of M. leprae infection
41.	SERB/LS-100/2013	Dr. S.Nishant Jain Centre for Chemical Biology, CSIR- Indian Institute of Chemical Technology Uppal Road, Hyderabad-500 007 Andhra Pradesh	Identification of novel small molecule inhibitors of an oncogenic transcription factor: FoxM1
42.	SERB/LS-102/2013	Dr. Monisha Dhiman Centre for Biosciences, Central University of Punjab Mansa Road, Bathinda-151 001 Punjab	Chemotherapeutic drug induced cardiomyocyte toxicity: evaluation of ethno-botanical plants to minimize the cardiac damage
43.	SERB/LS-110/2013	Dr. A.Muni Kumari Deptt of Genetic and Genomics Yogi Vemana University Kadapa-516 003 Andhra Pradesh	Significance of LOX in resistance of foxtail millet to fungal infections
44.	SERB/LS-111/2013	Dr. K.M. Ramkumar SRM Research Institute SRM University Kattankulathur-603 203 Tamil Nadu	A cell-based system for high throughput screening of Nrf2 activators and its role in protecting pancreatic beta-cell apoptosis
45.	SERB/LS-115/2013	Dr. Sunity Singh Shoolini University of Biotechnology & Management, Shoolini University Post Box No.9, Head Post Office Solan-173 212 Himachal Pradesh	Isolation & characterization of putative efflux pump inhibitor/inhibitors in mdr phenotype Pseudomonas aeruginosa from plant sources
46.	SERB/LS-119/2013	Dr. M. Raja Sri Paramakalyani Centre for Environmental Sciences, Manonmaniam Sundaranar University Alwarkurichi-627 412 Tamil Nadu	Population genomics, habitat ecology and molecular phylogeny of wild zebrafish (Danio Rerio) in the streams/ rivers of Western Ghats and Eastern Himalayas
47.	SERB/LS-120/2013	Dr. Syed Sheraz Mahdi Deptt of Agronomy, Bihar Agricultural University Sabour, Bhagalpur-810 213 Bihar	Modeling the studies on extreme weather events and their impact on agricultural ecosystems in agro- climatic zone (IIIa & b) of Bihar India
48.	SERB/LS-121/2013	Dr. P. Yasodha Agricultural Entomology, Agricultural Engineering College & Research Institute, Tamil Nadu Agricultural University Kumalur, Tiruchirappalli-621 712 Tamil Nadu	Management of insecticide resistance in storage pests of rice using molecular tools

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49.	SERB/LS-124/2013	Dr. Rakesh Kumar Deptt of Microbiology, CCS Haryana Agricultural University Hisar-125 004 Haryana	Molecular characterization of functional and uncultured bacterial community in semi-arid zone of Haryana
50.	SERB/LS-126/2013	Dr. Kangujam Dhanapati Devi Centre of Advanced Study in Life Sciences, Deptt of Life Sciences, Manipur University Imphal-795 003 Manipur	Mass production and DNA barcoding of certain important insect parasitoids of caterpillar pests
51.	SERB/LS-127/2013	Dr. Yogesh A.Karpe Hepatitis Section, National Institute of Virology Microbial Containment Complex, 130/1, Sus-Road, Pashan Pune-411 021 Maharashtra	Role of ubiquitin proteasome system in chikungunya virus replication
52.	SERB/LS-128/2013	Dr. S MD Akbar C/o Dr HC Sharma, Principal Scientist, Division of Entomology (Building No: 301), International Crops Research Institute for the Semi-Arid Tropics Patancheru-502 324 Andhra Pradesh	Characterization of defensive insecticidal proteins (Lectins and serpins) from plants for deployment in transgenic crops for controlling cotton bollworm, Helicoverpa armigera
53.	SERB/LS-129/2013	Mr. Tirthartha Chattopadhyay Deptt of Plant Breeding and Genetics, Bihar Agricultural University Sabour, Bhagalpur-813 210 Bihar	Functional characterization of a germin like protein (GLP) from tomato in terms of disease resistance
54.	SERB/LS-131/2013	Dr. Himanshu Kishore Prasad Deptt of Life Science & Bioinformatics, Assam University Silchar-788 011 Assam	Study of arginine metabolic pathway enzymes in the opportunistic fungal pathogen candida albicans
55.	SERB/LS-136/2013	Dr. Sanjeev Kumar Pandey Deptt of Zoology, Banaras Hindu University Varanasi-221 005 Uttar Pradesh	Therapeutic efficacy and controlled delivery of anticancer drug loaded polymeric nanoparticles in breast cancer induced animal model: an in- vitro and in-vivo study
56.	SERB/LS-138/2013	Dr. Swapnil S Phugare Deptt of Biotechnology, Yashwantrao Chavan College of Science Karad-415 124 Maharashtra	Ecotoxicological effects (genotoxicity, oxidative stress, changes in biochemical metabolism and silk synthesis) of neonicotinic pesticides on economical insect silkworm (Bombax mori): an approach for scientific awareness amongst farmers
57.	SERB/LS-141/2013	Dr. D. Natarajan Depto f Biotechnology, Periyar University Periyar Palkalai Nagar Salem-636 011 Tamil Nadu	Molecular characterization and degradation ability of prevailing microbes associated with heavy metal polluted sites (Bauxite mines), kolli hill, Eastern Ghats, Tamilnadu
58.	SERB/LS-143/2013	Dr. Shivendra Kumar Chaurasiya Deptt of Biotechnology, Indira Gandhi National Tribal University Distt. Anuppur, Amarkantak-484 886 Madhya Pradesh	Molecular studies of protein Kinase G induced changes in the host cell (macrophages) during mycobacterial infection
59.	SERB/LS-145/2013	Dr. Amalendu Ghosh Deptt. of Entomology, Indian Agricultural Research Institute Regional Station, Kalimpong Darjeeling-734 301 West Bengal	Role of insect vectors in spreading chirke and foorkey diseases of large cardamom: an effort towards their mitigation in Sikkim and Darjeeling hills

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60.	SERB/LS-148/2013	Dr. Ankush Gupta School of Biotechnology, Banaras Hindu University Varanasi-221 005 Uttar Pradesh	Functional and structural characterization of a novel L-asparaginase from <i>Azospirillum brasilense</i> Sp7
61.	SERB/LS-151/2013	Dr. Rahul R Deshmukh Deptt of Pharmacology, ISF College of Pharmacy Moga-142 001 Punjab	Role of endogenous cannabinoid signaling in experimental parkinson's disease
62.	SERB/LS-153/2013	Dr. Sandeep Ramchandra Pai Regional Medical Research Centre, Indian Council of Medical Research Nehru Nagar Belgaum-590 010 Karnataka	Use of biotechnological approaches for enhanced production of triterpenoids from <i>Achyranthes aspera</i> Linn
63.	SERB/LS-156/2013	Dr. Safikur Rahman Protein Research Lab, Centre for Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia Jamia Nagar, New Delhi-110 025 Delhi	Investigating the role of fractional surface area ($\Delta\alpha$) in counteracting urea's effect on protein stability and function
64.	SERB/LS-158/2013	Dr. Nammi Sai Kishore Deptt of Biotechnology, GITAM Institute of Science, GITAM University Visakhapatnam-530 045 Andhra Pradesh	Altered lignin biosynthesis in sweet sorghum by down regulation of cinnamyl alcohol dehydrogenase
65.	SERB/LS-163/2013	Dr. Indrakant Kumar Singh Deptt of Zoology, Deshbandhu College Kalkaji, University of Delhi Delhi-110 007 Delhi	Identification and characterization of genes involved in defense against <i>Spodoptera litura</i> from maize (<i>Zea mays</i>)
66.	SERB/LS-164/2013	Dr. Anuradha Singh C/o Prof. Haris M. Khan, Deptt of Microbiology, Faculty of Medicine, J. N. Medical College and Hospital, Aligarh Muslim University Aligarh-202 002 Uttar Pradesh	Molecular characterization of extended-spectrum beta-lactamases, their association with the mobile genetic elements and drug resistant gene cassettes in clinical and environmental isolates of North Indian enterobacteriaceae
67.	SERB/LS-167/2013	Dr. Prashant Shukla B/35, H.B.Colony, Kota Raipur-492 010 C.G	Correlation between PUFA production and NaCl tolerance in psychrophilic bacteria from Western Himalayan region
68.	SERB/LS-168/2013	Dr. Kalpana Bharwal # 149B, DRDO Residential Complex, Sector- 42A Chandigarh-160 036 Chandigarh	Investigating cognitive enhancing potential of <i>Rhodiola</i> extract and seabuckthorn seed oil following hypoxic stress
69.	SERB/LS-169/2013	Dr. Aditya Prasad Sahoo Molecular Biology Lab, Deptt of Animal Biotechnology, Indian Veterinary Research Institute Izatnagar, Bareilly-243 122 Uttar Pradesh	Development of a user friendly lateral flow test for detection of classical swine fever virus
70.	SERB/LS-170/2013	Dr. Hrishikesh Upadhyaya Deptt of Botany and Biotechnology, Karimganj College Karimganj-788 710 Assam	Physiological and molecular approaches to dehydration stress tolerance and recovery in <i>Oryza sativa</i> L.: role of calcium
71.	SERB/LS-172/2013	Dr. Rohit Joshi Plant Molecular Biology Group, International Centre for Genetic Engineering & Biotechnology Aruna Asaf Ali Marg New Delhi-110 067 Delhi	Functional analysis of a multi-stress inducible promoter of rice metallothionein (OsMT) under complex stress stimuli

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72.	SERB/LS-174/2013	Dr. M. Melvin Joe Deptt of Microbiology, N.M.S.S. Vellaichamy Nadar College Nagamalai Madurai-625 019 Tamil Nadu	Development of endophytic bacterial consortium from selected medicinal plants of Western Ghats of India
73.	SERB/LS-175/2013	Dr. S. Srinivasan Deptt of Biochemistry and Biotechnology, Annamalai University Annamalainagar Chidambaram-608 002 Tamil Nadu	Effect of citronellol, a monoterpene on insulin signaling cascade, proinflammatory markers and glucose metabolism in streptozotocin induced diabetic rats
74.	SERB/LS-176/2013	Dr. V. Vinothkumar Deptt of Biochemistry and Biotechnology, Annamalai University Annamalainagar Chidambaram-608 002 Tamil Nadu	Chemopreventive and chemotherapeutic efficacy of hesperetin on 7,12-dimethylbenz[a]anthracene induced hamster buccal pouch carcinogenesis
75.	SERB/LS-177/2013	Dr. Sankarganesh Arunachalam Deptt of Environmental Biotechnology, Bharathidasan University Tiruchirappalli-620 024 Tamil Nadu	Elucidation of mechanism of adriamycin mediated male reproductive toxicity and recovery by restoration of epididymal adipose tissue
76.	SERB/LS-178/2013	Dr. Nallathambi Jeyabalan Deptt of Molecular Signaling and Gene therapy, Narayana Hrudayalaya Foundation Narayana Nethtralaya, Narayana Hrudayalaya Campus, 258/A Bommasandra, Hosur Road Bangalore-560 009 Karnataka	To study the role of inflammatory and apoptotic pathways under oxidative stress: implications for keratoconus etiopathogenesis
77.	SERB/LS-179/2013	Dr. Yash Paul Khajuria Deptt of Plant Molecular Biology, Lab. No. 102,, National Institute of Plant Genome Research Aruna Asif Ali Marg New Delhi-110 067 Delhi	Functional genomics of venturia inaequalis: identification and characterization of pathogenicity genes
78.	SERB/LS-180/2013	Dr. Sudheep N.M Nagamangalam IIIam. Kankol (Post), Payyanur (Via.) Kannur-670 307 Kerala	Ecosystem's nutrient enhancers: ecology, biodiversity and documentation of terrestrial and aquatic micro fungal flora of kulathupuzha myristica swamp ecosystem of Kerala
79.	SERB/LS-181/2013	Dr.(Mrs.) Rijuta Ganesh Saratale Deptt of Biotechnology, Shivaji University Kolhapur-416 004 Maharashtra	Loofa (luffa cylindrica) sponge as carrier for microbial cell immobilization and its application in the treatment of dye containing effluent
80.	SERB/LS-184/2013	Dr. Akanksha Singh Flat No.12, Siddharth Residency II, Kaushaleshnagar, BHU-DLW Road Varanasi-221 005 Uttar Pradesh	Isolation and characterization of bacterial quorum sensing blockers and antiradical bioactive molecules from dietary plants
81.	SERB/LS-187/2013	Dr. Rooma Devi H/No.- 1218, V.P.O Mowana Jind-132 045 Haryana	An electrochemical polyamines biosensor for biogenic amines determination in biomedical applications based on zinc oxide nanoparticles-polypyrrole modified platinum electrode
82.	SERB/LS-188/2013	Dr. Soumya M.S Deptt of Otorhinolaryngology, Head and Neck Surgery, St.John's Hospital Bangalore-560 034 Karnataka	Mesenchymal stem cell derived inner ear hair cells used for assessment of ototoxicity and otoprotection in vitro

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83.	SERB/LS-192/2013	Dr. Jeewesh Kumar Division of Crop Protection, Indian Institute of Pulses Research Kanpur-208 024 Uttar Pradesh	Developing strategic and holistic pest management modules in legume based cropping system and its authentication
84.	SERB/LS-198/2013	Dr. Ravi Kant Deptt of Botany, Shoolini Institute of Life Sciences and Business Management Solan-173 212 Himachal Pradesh	Reproductive biology, mycorrhizal characterization and biological hardening of malaxis muscifera (L.) kuntze and spiranthes sinensis (Pers.) ames.; two threatened medicinal orchids
85.	SERB/LS-199/2013	Dr. Shailja Singh Deptt of Life Sciences, Shiv Nadar University Gautam Budh Nagar-203 207 Uttar Pradesh	Role of perforin like protein in egress of p.falciparum merozoites
86.	SERB/LS-200/2013	Dr. Prem Saran Tirumalai Dayalbagh Educational Institute Dayalbagh Agra-282 005 Uttar Pradesh	A study for identification of global expression of specific genes during and for biofilm formation in bacillus subtilis in comparison to bacillus mojavensis
87.	SERB/LS-203/2013	Dr. Lokendra Kumar Sharma Deptt of Cellular and Structural Biology, The University of Texas Health Science Center at San Antonio 7703, Floyd Curl Drive San Antonio-782 29 Texas	Investigating the mechanism of complex 1 specific mitochondrial DNA mutations in breast and colorectal cancer progression
88.	SERB/LS-207/2013	Dr. Shiekh Tanveer Ahmad Institute for Stem Cell Biology and Regenerative Medicine, National Centre for Biological Sciences (NCBS) Tata Institute of Fundamental Research, UAS-GKVK Campus, Bellary Road Bangalore-560 065 Karnataka	Isolation and characterization of epithelial stem cells from human prostate biopsies: a novel development approach to study tumor initiation and progression
89.	SERB/LS-208/2013	Dr. Romesh Sagolshemcha Deptt of Life Sciences, Manipur University Canchipur Imphal-795 003 Manipur	Biocontrol potentials of rhizohium spp. against plant pathogen and symbiotic interaction with certain non-leguminous plants
90.	SERB/LS-211/2013	Dr. Preethi Raganathan Deptt of Crystallography and Biophysics, University of Madras Gujndy Campus Chennai-600 078 Tamil Nadu	Investigations on the role of sigma factor sigx in the virulence of streptococcus pyogenes
91.	SERB/LS-213/2013	Dr.(Mrs.) Jola Dubey C/o Sunil Kumar Dubey, Lecturer, Deptt of Pharmacy, Birla Institute of Technology and Sciences (BITS) Pilani-333 031 Rajasthan	Studies on biology, ecology and genetic diversity of indigenous strains of biopesticidal fungi (beauveria bassiana & metarhizium anisopilae)
92.	SERB/LS-215/2013	Dr.(Ms) Vibha Shukla Deptt of Microbiology, Sanjay Gandhi Post Graduate Institute of Sciences Raibareli Road Lucknow-226 014 Uttar Pradesh	The role of toll like receptors during Japanese encephalitis virus infection invitro and invivo: an approach to give future direction for development of antiviral therapeutics and new insights for treating this deadly disease

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93.	SERB/LS-219/2013	Dr. Bushra Ateeq Deptt of Biological Sciences and Bioengineering, Indian Institute of Technology-Kanpur Kanpur-208 016 Uttar Pradesh	Investigate potential mechanism involved in AGTR1 mediated oncogenic effects: a pharmaceutical intervention for treatment of AGTR1 positive breast cancer
94.	SERB/LS-220/2013	Dr. Sachin Kumar Singh School of Pharmaceutical Sciences, Lovely Professional University Phagwara Jalandhar-144 402 Punjab	Self nano emulsifying drug delivery systems (SNEDDS) for oral delivery of polypeptide- k for effective management of diabetes mellitus: design and optimization
95.	SERB/LS-221/2013	Dr. Bomba Dam Deptt of Botany, Institute of Science, Visva-Bharati Santiniketan-731 235 West Bengal	Shift in microbial community structure in poultry (chicken) gut along its growth phase with special emphasis to their antibiotic resistance capability
96.	SERB/LS-223/2013	Dr.(Mrs.) Maibam Sharmila Devi Deptt of Life Sciences, Manipur University Canchipur, Imphal-795 003 Manipur	A study on bio-efficacy of some plant derivatives for management of pieris brassicae (Linn).(Lepidoptera: pieridae) on cauliflower in Manipur: an eco-friendly approach
97.	SERB/LS-227/2013	Dr. K.Diraviya Raj Suganthi Devadason Marine Research Institute 44-Beach Road, Tuticorin-628 001 Tamil Nadu	Studies on the diversity, abundance and role of reef binding coralline algae in coral reef ecosystem along Tuticorin coast, Gulf of Mannar
98.	SERB/LS-243/2013	Dr. Manasi Mandal C/o Dr. Debabrata Maity, Taxonomy and Biosystematics Laboratory, Deptt of Botany, University of Calcutta 35, Ballygunge Circular Road Kolkata-700 019 West Bengal	Documentation of indigenous technical knowledge (ITK) of panchef soil conservation division of Bankura district, West Bengal with special reference to bioprospecting of some selected food and medicinal plants
99.	SERB/LS-246/2013	Dr.(Mrs.) Monalisa Mishra Deptt of Biological Sciences, Birla Institute of Technology and Sciences Pilani-333 031 Rajasthan	Role of conserved oligomeric golgi complex (COG7) gene in the morphogenesis of hearing organ in Drosophila
100.	SERB/LS-252/2013	Dr. Ch.Pavana Jyothi Deptt of Microbiology, GITAM Institute of Science, GITAM University Visakhapatnam-530 045 Andhra Pradesh	Overcoming the challenges of food poisoning through purified bacteriocins as natural preservatives
101.	SERB/LS-253/2013	Dr. Sunanda B.S Deptt of Nematology, Rajasthan College of Agriculture, Maharana Pratap University of Agriculture & Technology Udaipur-313 001 Rajasthan	Investigations on entomopathogenic nematodes for the management of major insect pests of vegetable crops in the region of Delhi
102.	SERB/LS-256/2013	Dr. Ratul Baishya Deptt of Botany, University of Delhi Chattra Marg, Gate No.4 Delhi-110 007 Delhi	The dynamics of soil carbon sequestration in the ridge forest ecosystem of Delhi NCT
103.	SERB/LS-261/2013	Dr. Piruthivi Sukumar Deptt of Biotechnology, Indian Institute of Technology-Guwahati North Guwahati Guwahati-781 039 Assam	Role of store operated calcium entry in diabetes and hyperlipidemia induced vascular smooth muscle dysfunction

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104.	SERB/LS-263/2013	Dr. Varun Dhir Deptt of Internal Medicine, Post Graduate Institute of Medical Education and Research Sector-12, Chandigarh-160 012	Frequencies of circulating T helper subsets in rheumatoid arthritis and change on treatment with methotrexate
105.	SERB/LS-266/2013	Dr. Pritha Bhattacharjee 22/1, D.H.Road. P.O. and P.S. New Alipore Kolkata-700 053 West Bengal	Role of epigenetic modifications in arsenic-induced toxicity and carcinogenicity: with special reference to histone modification
106.	SERB/LS-267/2013	Dr. Richa Sharma C/o Prof. Rani Gupta, Deptt of Microbiology, University of Delhi South Campus, Benito Juarez Road New Delhi-110 021 Delhi	Bacterial γ -glutamyl transpeptidases: characterization and application as debittering enzyme
107.	SERB/LS-269/2013	Dr. Indrani Talukdar BITS-Pilani K.K.Birla Goa Campus, Qtr # D63, NH17B Road Zuarinagar Goa-403 726 Goa	Alternative splicing in signal transduction and diseases; a genome wide approach
108.	SERB/LS-276/2013	Dr. Imroze Khan Deptt of Ecology & Evolution, National Centre for Biological Sciences (NCBS), Tata Institute of Fundamental Research UAS-GKVK, Bellary Road Bangalore-560 065 Karnataka	An evolutionary ecological approach to the immunological memory and immunosenescence in invertebrates
109.	SERB/LS-280/2013	Dr. Rajasekar Raman Deptt of Animal Science, Bharathidasan University Tiruchirappalli-620 024 Tamil Nadu	Investigation of immunocompetence handicap hypothesis and MHC-based mate choice in the tent-making fruit bat cynopterus sphinx (Chiroptera: Pteropodidae)
110.	SERB/LS-281/2013	Dr. Fatima Khan Deptt of Microbiology, JN Medical College AMU Medical Road Aligarh-202 002 Uttar Pradesh	Leptospirosis in North India: role of molecular diagnosis and evaluation of cytokines as prognostic indicators
111.	SERB/LS-282/2013	Dr. Pushpender Kumar Sharma Deptt of Biotechnology, Sri Guru Granth sahib World University Fatehgarh Sahib-140 406 Punjab	Metatranscriptomic analysis and functional characterization of the metabolically active genes of microbial consortium of polluted soil and water samples of cancer prone belt of Punjab
112.	SERB/LS-285/2013	Dr. Prem Nandhini Satgunam Hyderabad Eye Research Foundation, L.V.Prasad Eye Institute L.V. Prasad Marg Road #2, Banjara Hills, Hyderabad-500 034 Andhra Pradesh	Image enhancement technology for children with vision impairment-an evaluation
113.	SERB/LS-292/2013	Dr. Asha Poorna C Chundakkadu (House), Kadayiruppu (P.O), Kolenchery (Via) Ernakulam-682 311 Kerala	Bioprospecting of actinobacteria from the sacred groves of Kerala for biocatalysts of commercial applications
114.	SERB/LS-296/2013	Dr. Bharat Singh H.No. 112-B, Mohammad Pur, R.K Puram, New Delhi-110 066 Delhi	In silico assessment and validation of diagnostically relevant allergenic polypeptides of <i>Aspergillus fumigatus</i>

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115.	SERB/LS-297/2013	Dr. Santosh Joshi C/o Dr. D.K.Upreti, Lichenology Laboratory, CSIR-National Botanical Research Institute Rana Pratap Marg Lucknow-226 001 Uttar Pradesh	Lichen analysis for ecological continuity of tropical rain forests in Nilgiri Hills of Western Ghats, India
116.	SERB/LS-307/2013	Dr. A. Arun Deptt of Energy Science, Alagappa University Science Block-6 floor, Room No. 604, Sivagangai District Karaikudi-630 003 Tamil Nadu	Anaerobic and subsequent photosynthetic process for biohydrogen and bioplastic (PHB) production using various industrial wastes, rice straw and husk hydrolysates
117.	SERB/LS-310/2013	Dr. G. Kanimozhi Deptt of Biochemistry and Biotechnology, Annamalai University Annamalainagar Chidambaram-608 002 Tamil Nadu	Preventive effect of umbelliferone on ultraviolet-B radiation induced molecular changes in human dermal fibroblasts
118.	SERB/LS-316/2013	Dr. Amit Mishra Deptt of Biologically Inspired System Science, Indian Institute of Technology- Rajasthan Room No. 1112, Academic Block-1, Near Old Residency Road, Ratanada Circle, Jodhpur-342 011 Rajasthan	Complexity of protein misfolding and aggregation
119.	SERB/LS-318/2013	Dr. Ashok Ayyappa Kuppuswamy Deptt of Center for Nanotechnology and Advanced Biomaterials (CeNTAB), SASTRA University Anusandhan Kendra (ASK), Tirumalaisamudram Thanjavur-613 402 Tamil Nadu	Deciphering the genetic network of five novel loci linked with Cardio- vascular disease (CVD)
120.	SERB/LS-320/2013	Dr. Binay Bhusan Panda Institute of Life Sciences Nalco Square, Near Kalinga Hospital Bhubaneswar-751 023 Orissa	Role of cytokinin oxidase in grain filling of large paniced rice cultivars
121.	SERB/LS-322/2013	Dr. Abhrajyoti Ghosh 1st Floor, Flat-1C, 67/78-Manik Bandyopadhyay Sarani P.O & P.S. Regent Park, Kolkata-700 040 West Bengal	Investigation of the archaeal diversity and activity in Sundarbans mangrove sediment, India
122.	SERB/LS-323/2013	Dr. N. Sathesh Kumar Deptt of Pharmaceutical Analysis, National Institute of Pharmaceutical Education and Research Balanagar, Hyderabad-500 037 Andhra Pradesh	Targeting adipocyte differentiation as a pathway for the treatment of obesity: implications in the development of obesity associated insulin resistance
123.	SERB/LS-325/2013	Dr. Mythri R Deptt of Neurochemistry, National Institute of Mental Health and Neurosciences #2900, Hosur Road Bangalore-560 029 Karnataka	Analysis of the epigenetic regulation of red/ox mechanisms in neurotoxic models of Parkinson's disease: role of chromatin modifications
124.	SERB/LS-330/2013	Dr. Sabitha M Amrita School of Pharmacy, Amrita Viswavidyapeetham University Health Science Campus, AIMS- Ponekkara P.O, Kochi-682 041 Kerala	Skin permeating chitin nanogel for the cutaneous co-delivery of methotrexate and clobetasol for effective management of psoriasis

S.No.	Registration No.	PI Name & Address	Project Title
125.	SERB/LS-333/2013	Dr. Prema G.Vasudev Metabolic and Structural Biology Division, CSIR-Central Institute of Medicinal and Aromatic Plants Near Kukrail Picnic Spot Lucknow-226 015 Uttar Pradesh	Isolation, purification and X-ray diffraction studies of plant cyclotides
126.	SERB/LS-334/2013	Dr. Richard Lobo Deptt of Pharmacognosy, Manipal College of pharmaceutical Sciences, Manipal University Manipal-576 104 Karnataka	Isolation and characterization of phytoconstituents from <i>Macrosolin parasiticus</i> (L.) Danser and evaluation of their in vitro cytotoxic activity on various cancer cell lines
127.	SERB/LS-335/2013	Dr. N. Karmegam Deptt of Botany, Government Arts College Salem-636 007 Tamil Nadu	Collection, conservation, improvement and pharmacological studies on endemic medicinal plants of Southern Eastern Ghats
128.	SERB/LS-338/2013	Dr. Nishant Singh Molecular Biology Lab, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi-110 067	Differential protein expression and their role during the differentiation of trophozoite to cyst in <i>Entamoeba invadens</i>
129.	SERB/LS-347/2013	Dr. Pankaj Kautikrao Pawar Deptt of Biotechnology, Shivaji University Vidya Nagar, Kolhapur-416 004 Maharashtra	Prospecting a few medicinally important members of family solanaceae for alpha-amylase inhibitor(s) and studies on its/their interaction with insect amylases
130.	SERB/LS-348/2013	Dr. Akhtar Ali Centre for Genetic Disorders, Faculty of Science, Banaras Hindu University Varanasi-221 005 Uttar Pradesh	Molecular genetic exploration of congenital limb malformations and limb development
131.	SERB/LS-349/2013	Dr. Palakolanu Sudhakar Reddy Deptt of Crop Physiology/Dryland Cereals, International Crops Research Institute for the Semi-Arid Tropics Greater Hyderabad Patancheru-502 324 Andhra Pradesh	Harnessing the role of aquaporins in water conservation and drought tolerance improvement in pearl millet
132.	SERB/LS-350/2013	Dr. Sunayana Rathi C/o Kishanlal Punam Chand, Post: Mariani, Jorhat-785 634 Assam	Mapping of genes for grain quality in Assam rice with particular reference to amylose
133.	SERB/LS-352/2013	Dr. Arivusudar Marimuthu Institute of Bioinformatics Unit I, Discoverer Building, International Technology Park Whitefield Bangalore-560 066 Karnataka	Proteomic investigation of dysregulated signaling in oral keratinocytes upon tobacco insult
134.	SERB/LS-354/2013	Dr. R. Suresh Kumar Deptt of Molecular Genetics Lab, Institute of Cytology and Preventive Oncology (ICMR) I-7, Sector 39, Noida-201 301	Studies on exosomal components of precancerous, cancerous oral cell lines and its implications in disease management
135.	SERB/LS-355/2013	Dr. Ashwini Godbole Deptt of Centre for Pharmacognosy, Pharmaceutics and Pharmacology, Institute of Ayurveda and Integrative Medicine 74/2 Jarakabande Kaval, Post Attur, Via Yelahanka, Bangalore-560 106 Karnataka	Potential use of brahmi (<i>Bacopa monnier</i>) in prevention and treatment of alzheimer's disease- a mode of action study

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136.	SERB/LS-356/2013	Dr. Sowmya S No 62/1, 7th Cross Dinnur Main Road RT Nagar Bangalore-560 032 Karnataka	A study to assess the impact of acute and chronic maternal stress on fetal cardiovascular autonomic modulation
137.	SERB/LS-357/2013	Dr. Ruchika Sharma Deptt of Botany, Faculty of Science, Jai Narain Vyas University Bhagat Ki Kothi, New Pali Road Jodhpur-342 008 Rajasthan	Diversity assessment of actinomycetes based on 16s rRNA from Indian Thar Desert and their antimicrobial potential
138.	SERB/LS-359/2013	Dr. Abdul Rashid War C/o Dr HC Sharma, Division of Entomology (Building No: 301), International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) Patancheru-502 324 Andhra Pradesh	Biochemical and molecular mechanisms of insect-host plant resistance signaling system to spotted stem borer, chilo partellus in sorghum
139.	SERB/LS-360/2013	Dr. M. Sujithra Division of Entomology, Indian Agricultural Research Institute New Delhi-110 012 Delhi	Development of forewarning model using regression and simulation approach for management of rice leaf folder, Cnaphalocrosis medinalis guenee (Lepidoptera:Pyralidae)
140.	SERB/LS-367/2013	Dr. Muthu Arumugam Division of Biotechnology, National Institute of Interdisciplinary Science and Technology-CSIR Industrial State (PO) Thiruvananthapuram-695 019 Kerala	Biochemical and molecular investigation on stress mediated lipid accumulation and biomass productivity in microalgae
141.	SERB/LS-368/2013	Dr. Ajazuddin Deptt of Pharmaceutics, Rungta College of Pharmaceutical Sciences and Research Kohka, Kurud Road Bhilai-490 024 Chhattisgarh	Understanding the role of poly ethylene glycol based thermo responsive and biodegradable long acting injection to control the release of alkylating antineoplastic agents for low hemolytic activity
142.	SERB/LS-369/2013	Dr. Surabhi Kirti Mishra Division of cyclotron and Radiopharmaceutical Sciences, Institute of Nuclear Medicine and Allied Sciences Delhi-110 054	Development of radioactive immunoprobes using anti $\alpha\beta3$ integrin antibody: a step towards the improvement of cancer diagnosis and therapy
143.	SERB/LS-370/2013	Dr. Prabha K Deptt of Plant Pathology, Directorate of Onion and Garlic Research Rajgurunagar Pune-410 505 Maharashtra	Deep sequencing the virome of onion and garlic: exploring the viral etiology of emerging diseases in India