

Scheme: S&T Programmes for Socio Economic Development
Programme: Women Component Plan (WOS-A)
Projects Sanctioned during 2006-07

Sl. No.	Sanction No. Date of Sanction (D/M/Y)	Project Title	Project Investigator & Address
1.	SR/WOS-A/LS-283/2004 09.05.2006	Genetic transformation of Chilli (<i>Capsicum Annuum</i> L.) via <i>Agrobacterium tumefaciens</i> with Replicase gene (ORF Acl) of pepper leaf curl virus (PepLCV) from India	Dr. Brotati Chattopadhyay School of Life Sciences Jawaharlal Nehru University New Delhi - 110067
2.	SR/WOS-A/ES-06/2005 09.05.2006	Ultramafic and other intrusive rocks and their relation to the North Purulia Shear Zone	Dr. Aditi Mandal Deptt. Of Geology Presidency College 86/1, College Street Kolkata - 700073
3.	SR/WOS-A/LS-28/2005 09.05.2006	Taxonomic studies on the genus <i>Selaginella</i> P. Beauv. (Selaginellaceae) in south India & Biochemical profiling of medicinally important species	Ms. P. Nisha Deptt. Of Botany St. Joseph's college Devagiti Kozhikode - 673008
4.	SR/WOS-A/LS-253/2004 09.05.2006	Screening of thermophilic bacteria for production of acidophilic amylase and optimization of physical and nutritional parameters	Ms. Jeevan Jyoti Pathania Institute of Microbial Technology Sector 39-a Chandigarh - 160036
5.	SR/WOS-A/LS-118/2005 09.05.2006	Management of invertase(s) mediated Sucrose losses in Stand-over and Harvested Sugarcane during Late-Crushing Period	Dr. Priyanka Singh Div. of Plant Physiology & Biochemistry Indian Institute of Sugarcane Research Lucknow - 226002
6.	SR/WOS-A/LS-129/2005 09.05.2006	Role of Reactive Oxygen Species in gastric carcinogenesis and its chemoprevention by curcumin	Dr. Mrinalini Bhattacharjee Drug Development Div. Indian Institute of Chemical Biology 4, Raja SC Mullick road Kolkata - 700032
7.	SR/WOS-A/ET-17/2005 17.05.2006	Semiconductors sensors for detection of alcohol and acetone in human breathe	Ms. Indrani Ray Sensor & Actuator Section, Electro Ceramics division Central Glass & Ceramic Research Institute Kolkata - 700032
8.	SR/WOS-A/LS-348/2004 17.05.2006	Development clonal propagation techniques and molecular characterization through rapid analysis of <i>embelia ribes</i> burn F	Dr. Dhavala Annapurna Tree Improvement and Propagation division Institute of Wood Science & Technology PO Malleswaram Bangalore - 560003
9.	SR/WOS-A/LS-80/2005 17.05.2006	Studies in covalent immobilisation of yeast cells & their applications in Organic Synthesis	Ms. K. Meena Centre for Advanced Studies in Botany Madras University Guindy Campus Chennai - 600025
10.	SR/WOS-A/LS-81/2005	Studies in Pathogenesis related Nitric Oxide synthase in plants, its purification	Dr. Rupa Acharya Deptt. Of Botany

	17.05.2006	and characterization	Calcutta University 35, Ballygunge Circular road Kolkata - 700073
11.	SR/WOS-A/LS-65/2005 23.05.2006	Development of an in vitro regeneration protocol through high frequency somatic embryogenesis for genesis transformation in cultivable varieties of Cassava (<i>Manihot esculenta</i> Crantz)	Dr. M. Jayanti Central Tuber Crops Research Institute Sreekariyam Thiruvananthapuram - 695017
12.	SR/WOS-A/LS-122/2005 23.05.2006	A randomized trial to evaluate the safety & efficacy of pioglitazone in patients with chronic pancreatitis and to study the association of a mutation of Heat Shock Protein (HSP 70) gene with response to treatment	Dr. Nusrat Shafiq Deptt. Of Pharmacology PGIMER Chandigarh - 160012
13.	SR/WOS-A/ET-15/2005 25.05.2006	Synthesis, Characterization and property evaluation of 9Cr - 1Mo ODS Ferritic stainless steel for high temperature applications	Ms. Kavithaa S Deptt. Of Metallurgical Engg. PSG College of Engineering Coimbatore - 641004
14.	SR/WOS-A/LS-113/2005 20.06.2006	Confirmation of the presence of genes controlling zygomorphy, Semipeliorism and different column types of orchid flowers	Dr. Jojita Devi Rajkumari Life Sciences Division Manipur University Canchipur - 795003
15.	SR/WOS-A/LS-83/2005 28.06.2006	Metagenomic cloning and molecular analysis of Poly-B-Hydroxy Butyrate (PHB) Synthesizing Genes: In Vitro Evolution of PHB Synthase for Quality Alterations	Ms. Monica Sharma Deptt. Of Biotechnology Panjab University Chandigarh - 160014
16.	SR/WOS-A/ET-45/2004 28.06.2006	Synthesis of Biocompatible Ferro fluids and Investigation of their stability in Biological Media	Dr. A. Radhika Devi Deptt. Of Metallurgical & Materials Engg. IIT-Madras Chennai - 600036
17.	SR/WOS-A/LS-163/2005 05.07.2006	Development of Transgenic Eleusine Coracana (L.) Gaertn resistant to fungal disease	Dr. Manju Sharma Deptt. Of Botany Rajasthan University Jaipur - 302004
18.	SR/WOS-A/PS-22/2005 05.07.2006	Excitation Spectra and cross sections for primary electron production by swift heavy ions penetrating through solids	Dr. Annu Sharma Deptt. Of Physics Kurukshetra University Kurukshetra - 136119
19.	SR/WOS-A/LS-158/2005 05.07.2006	Detection and quantitation of mutations in rpoB gene region of rifampicin resistant Mycobacterium tuberculosis by biprobe strategy using real-time PCR	Dr. Kiran Srivastava National JALMA Institute for Leprosy & Other Mycobacterial diseases (ICMR) Tajganj Agra - 282001
20.	SR/WOS-A/LS-398/2004 05.07.2006	Cardiorespiratory fitness, body composition & morbidity pattern among urban elederly: A preventive care model	Dr. Renu Tyagi Deptt. Of Anthropology Delhi University Delhi - 110007
21.	SR/WOS-A/LS-136/2005 05.07.2006	Characterization and functional evaluation of Haemonchus contortus calreticulin: Binding to host clotting factors	Dr. Madhubala Agarwal Div. of Biochemistry Indian Veterinary Research Institute Izatnagar - 243122

22.	SR/WOS-A/LS-98/2005 03.07.2006	Cancer Chemoprevention by Aloe vera and Bauhinia variegata in Murine System: Biochemical and molecular events	Ms. Manju Singh School of Life Sciences Jawaharlal Nehru University New Delhi - 110067
23.	SR/WOS-A/LS-152/2005 19.07.2006	Development of Clonal propagation techniques and molecular characterization through RAPD analysis of Salacia reticulata	Dr. Gaddam Dhanasri Deptt. Of Botany Osmania University Hyderabad - 500007
24.	SR/WOS-A/LS-18/2005 19.07.2006	Stimulation of Fish biomass through natural Zeolites	Dr. Meeta Mishra Deptt. Of Biotechnology Dr. HS Gour University Sagar - 470003
25.	SR/WOS-A/ES-11/2005 19.07.2006	Pressure-Temperature and fluid composition constraints on Proterozoic Metamorphic Rocks in parts of the Singhbhum shear Zone and the adjoining areas: significance of tourmaline bearing Assemblages	Dr. Nandini Sengupta Deptt. Of Geology Calcutta University 35, Ballygunge Circular Road Kolkata - 700019
26.	SR/WOS-A/LS-157/2005 19.07.2006	Effect of abiotic stress and odc/adc genes on diosgenin production in Dioscorea bulbifera L	Dr. Alka Narula Deptt. Of Biotechnology Jamia Hamdard University New Delhi - 110062
27.	SR/WOS-A/LS-93/2006 19.07.2006	Modulation of Toll like receptor (TLR) signalling by Mycobacterium tuberculosis: an evasive survival strategy	Dr. Sadhna Sharma Miranda House Delhi University New Delhi - 110007
28.	SR/WOS-A/LS-68/2005 19.07.2006	Molecular approach of assessing the relationship between environmental exposure and male infertility	Dr. Niraj Pant Embryotoxicology Division Industrial toxicology Research Center PB No. 80, M.g. Marg Lucknow - 226001
29.	SR/WOS-A/LS-86/2006 19.07.2006	Role of GAPDH as a multifunctional protein in Dendritic Cells	Dr. Chaaya Iyengar Deptt. Of Cell Biology & Immunology Institute of Microbial Technology Sector 39-A Chandigarh - 160016
30.	SR/WOS-A/CS-45/2005 19.07.2006	Development of new drug molecules from Terrestrial medicinal plants - Isolation, Chemical and Biological studies	Dr. Parvataneni Radhika Deptt. Of Pharmacy Andhra University Visakhapatnam - 530003
31.	SR/WOS-A/LS-169/2005 19.07.2006	Isolation, identification and molecular characterization of Bacillus cereus from acute diarrhoeal patients in Kolkata	Dr. Mousumi Banerjee National Institute of Cholera and Enteric Diseases P-33, CIT Road, Scheme XM, Belghata Kolkata - 700010
32.	SR/WOS-A/PS-15/2005 19.07.2006	Synthesis and characterization of CdSe and CdTe quantum dots and their application as fluorescence sensitizers in confocal microscopy of biological materials	Dr. R. Satyavathi School of Physics Hyderabad University Gachibowli Hyderabad - 500046
33.	SR/WOS-A/PS-04/2004	Physico-Chemical characterization of indigenously developed Agar from Gujarat Coastal area and Biomedical applications	Dr. Anita Saxena School of Physical Sciences Jawaharlal Nehru University

	19.07.2006	of its Hydrogel	New Delhi - 110067
34.	SR/WOS-A/CS-47/2005 17.07.2006	Synthesis and chemical characterization of different formulations of Aliginate Tamoxifen beads	Dr. Jaya Shukla Deptt. Of Nuclear Medicine AIIMS Ansari Nagar New Delhi - 110029
35.	SR/WOS-A/PS-39/2004 21.07.2006	Solid State devices using ion tracks	Ms. Mamta Saroch Deptt. Of Physics Panjab University Chandigarh - 160014
36.	SR/WOS-A/LS-31/2005 21.07.2006	Cloning sites of expression and catalytic properties of tryptophan hydroxylase and other related hydroxylases and their role in early brain sex differentiation in teleost fish	Dr. Cheni Chery Sudhakumari Deptt. Of Animal Sciences, School of Life Sciences Hyderabad University Hyderabad - 500046
37.	SR/WOS-A/MS-03/2006 21.07.2006	Analysis of inventory systems and their reliability	Ms. K. Vineetha Deptt. Of Mathematics Calicut University Calicut - 673635
38.	SR/WOS-A/ET-20/2005 02.08.2006	Hydrogen production by Photocatalytic decomposition of water using solar energy	Dr. Namita Sahu Deptt. Of Chemical Engg & Technology, Institute of Technology Banaras Hindu University Varanasi - 221005
39.	SR/WOS-A/LS-04/2005 29.08.2006	A Study for the developmetn of Microbial Technology for production of Xylitol from Sugarcane Bagasse	Dr. Jyoti Rekha Saikai Division of Biotechnology Regional Research Laboratory Jorhat - 785006
40.	SR/WOS-A/LS-179/2005 04.09.2006	Evaluation of hydrogen peroxide, antioxidant enzymes and their gene expression in experimentally induced neonatal hypothyroidism in rat brain	Dr. Shravani Mohanty PG Deptt. Of Biotechnology Utkal University Vani Vihar Bhubneswar - 751004
41.	SR/WOS-A/LS-100/2005 05.09.2006	Screening of Microbial Metabolies from endophytic fungi and actinomycetes for pharmeceuticals by using High Throughput Screening (HTS)	Dr. Sharbani Mazumdar Deptt. Of Medical Chemistry Regional Research Laboratory Jorhat - 785006
42.	SR/WOS-A/PS-26/2005 07.09.2006	Photometric Studies of Star Clusters using the 2MASS and Observations	Dr. Priya Hasan Deptt. Of Astronomy Osmania University Hyderabad - 500007
43.	SR/WOS-A/CS-78/2004 11.09.2006	Development of low cost adsorbents for the removal of toxic metal ions from water using Algal Biomass	Dr. Arshi Rastogi Deptt. Of Chemistry IIT-Roorkee Roorkee - 247667
44.	SR/WOS-A/LS-194/2005 13.09.2006	Characterisation of Sugarcane viruses of India	Dr. Deepti Singh Division of Plant Pathology Sugarcane Research Station Kunraghat Gorakhpur - 273008
45.	SR/WOS-A/ET-29/2005	Designing of electrocoagulation method for waste water treatment	Dr. Jyotsna Cherukuri Centre for Environment, Institute of Science & Technology

	13.09.2006		Jawaharlal Nehru Technological University Kukatpally Hyderabad - 500072
46.	SR/WOS-A/LS-143/2005 13.09.2006	Studies on the role of microbial diversity and Ecology for designing effective bioremediation strategies	Dr. Kavita Rattan Hislop School of Biotechnology Hislop College Civil Lines Nagpur - 440001
47.	SR/WOS-A/LS-131/2005 13.09.2006	Development of Mouth dissolving dosage form	Ms. Mona Nagar School of Pharmacy Devi Ahilya Vishwavidhyalaya Takshashila Campus, Khandwa Road Indore - 452017
48.	SR/WOS-A/ET-04/2005 05.07.2006	Finite Element simulation of Bio-Fluid Mechanics	Mrs. Chitra Murali Deptt. Of Applied Mechanicaics IIT-Madras Chennai - 600036
49.	SR/WOS-A/LS-206/2005 27.10.2006	Signal regulatory mechanism of Apoptosis of bone marrow stem (CD34) cells in experimentally induced leukaemia and aplastic anaemia	Dr. Sujata Law Deptt. Of Biochemistry and Medical Biotechnology School of Tropical Medicine C.R. Avenue Kolkata - 700073
50.	SR/WOS-A/LS-67/2005 27.10.2006	Development of a Nutraceutical formulation for slowing down the lens degeneration	Dr. Kirtan Vilas Tarwadi Biometry and Nutrition Group Agharkar Research Institute GG Agarkar Road Pune - 411004
51.	SR/WOS-A/ES-03/2006 27.10.2006	Microstructure and fabric development in shear zone rocks in part of poreambrian terrain of Eastern Singhbhum	Dr. Ratna Das Deptt. Of Geology Calcutta University 35, Ballygunge Circular Road Kolkata - 700019
52.	SR/WOS-A/ES-02/2006 27.10.2006	Emplacement mechanism and microstructural study of the Anasagar granite Genesis, Ajmer, Central Rajasthan	Dr. Nandini Chattopadhyay Deptt. Of Geological Sciences Jadavpur University Kolkata - 700032
53.	SR/WOS-A/LS-12/2005 27.10.2006	Assessment of possible allelopathic interactions between different members of the grass family (Wheat, Rice and Bamboo) with its associated weeds	Dr. Rashmi Verma Deptt. Of Botany Delhi University New Delhi - 110007
54.	SR/WOS-A/ES-13/2005 27.10.2006	Regional geochemical baseline mapping in Medak district, Andhra Pradesh, India	Dr. Dantu Sujatha Environmental Geochemistry Group National Geophysical Research Institute Hyderabad - 500007
55.	SR/WOS-A/ET-01/2005 16.11.2006	Investigations on layer by layer vapour phase cating on oxidic microparticles in a fluidized bed	Ms. Ani K. John Process Engineering & Environment Technology Division Regional Research Laboratory Thiruvananthapuram - 695019
56.	SR/WOS-A/LS-174/2005 11.12.2006	Expression and analysis of fusion proteins of P. falciparaum	Dr. P.V. Lalitha School of Life Sciences Jawaharlal Nehru University New Delhi - 110067

57.	SR/WOS-A/PS-03/2006 26.12.2006	Fabrication and characterisation of polymer nanocomposite	Dr. Smrutisikha Bal Deptt. Of Metallurgical & Materials Engg. National Institute of Technology Rourkela - 769008
58.	SR/WOS-A/LS-227/2005 26.12.2006	Effects of experimental diabetes and insulin replacement on epididymal structure and function	Ms. Soudamani Singh Deptt. Of Endocrinology, Dr. ALM PG Institute of Basic Medical Sciences Madras University Taramani Campus Chennai - 600113
59.	SR/WOS-A/CS-42/2005 26.12.2006	Exploration of the gold nano particles: Synthesis, characterization and their applications in the selective oxidation of Methane to value added products	Dr. A. Hari Padmasri Catalysis & Physical Chemistry Division Indian Institute of Chemical Technology Tarnaka Hyderabad - 500007
60.	SR/WOS-A/LS-145/2005 10.01.2007	Morphological, Biochemical and Molecular evaluation of algal diversity in Brij Mandal	Dr. Ashesh Tiwari Deptt. Of Botany, School of Life Sciences Dr. B.R. Ambedkar University Khandari Campus Agra - 282002
61.	SR/WOS-A/LS-11/2006 12.01.2007	Haplotype diversity of angiotensin 1 - converting enzyme polymorphisms in Ethnic populations of India	Dr. Shabana Farheen Human Genetics Unit Indian Statistical Institute 203, B.T. Road Kolkata - 700108
62.	SR/WOS-A/CS-10/2006 12.01.2007	Production of value added products from vegetable seed oils by enzymic interesterification process technology	Dr. Sumita Silroy Deptt. Of Chemical Technology, Oil Technology Division Calcutta University 92, APC Road Kolkata - 700009
63.	SR/WOS-A/CS-28/2005 12.01.2007	Synthesis of some new heterocyclic compounds of pharmaceutical applications	Dr. Ritu Yadav Deptt. Of Chemistry Dr. H.S. Gour University Sagar - 470003
64.	SR/WOS-A/ET-25/2005 12.01.2007	Studies on the actuation behaviour of lead free piezoceramics	Ms. Sudipta Goswami Electroceraamics Division Central Glass & Ceramic Research Institute 196, Raja SC Mullick Road Kolkata - 700032
65.	SR/WOS-A/LS-28/2006 12.01.2007	Assessment of contribution of Neptunia oleracea root nodule bacteria on rice	Dr. Bijaya Thingbaijam Deptt. Of Biotechnology Institute of Bioresources & Sustainable Development Takyelpat Imphal - 795001
66.	SR/WOS-A/CS-54/2006 12.01.2007	Electrochemical synthesis of nano-structured materials	Dr. Bulusu Venkata Sarada International Advanced Research Centre for Powder Metallurgy & New Materials (ARCI) Balapur PO, RCI Road Hyderabad - 500005
67.	SR/WOS-A/LS-78/2006	Inferring the origin, population structure and demographic history of drosophila	Dr. Sujata Mohanty Deptt. Of Biotechnology

	12.01.2007	malerkotliana with population genomic approach	Jaypee Institute of Information & Technology Deemed University, A-10, Sector 62 Noida - 201307
68.	SR/WOS-A/PS-19/2005 12.01.2007	Energies and relativistic corrections for ground and excited states of atoms and molecules using high quality with trial functions	Dr. Sumita Datta Deptt. Of Theoretical Physics S.N. Bose National Centre for Basic Sciences Block JD, Sector III, Salt Lake Kolkata - 700098
69.	SR/WOS-A/PS-05/2006 17.01.2007	Organisation of metal nanoparticles on softened polymer blends	Dr. Pratima Parashar Deptt. Of Materials Science Mangalore University Mangalagangothri - 574199
70.	SR/WOS-A/LS-96/2006 17.01.2007	Role of Kaposica, the complement regulator of Kaposi's sarcoma associated with herpesvirus, in immune evasion	Dr. Jayati P. Mullick National Centre for Cell Science NCCS Complex, Pune University Campus, Ganeshkhind Pune - 411007
71.	SR/WOS-A/CS-34/2005 17.01.2007	Novel organoselenium and - tellurium compounds: X-ray structural studies, DFT calculations and non linear optical properties	Dr. Sangeeta Bajpai Deptt. Of Chemistry Lucknow University Lucknow - 226007
72.	SR/WOS-A/LS-47/2006 24.01.2007	Potyviruses and prunus spp: Exploitation in virus management	Ms. Vanita Chandel Plant Virus Lab., Floriculture Division Institute of Himalayan Bioresource Technology Post Box no. 6 Palampur - 176061
73.	SR/WOS-A/LS-29/2006 07.02.2006	Formulation and evaluation of novel drug delivery system of selected antiretrovirals to standardize AIDS therapy	Ms. Roopa S. Pai Deptt. Of Pharmaceutics Al-Ameen College of Pharmacy Hosur Road Bangalore - 560027
74.	SR/WOS-A/LS-50/2006 07.02.2007	Formtion of Beta-Amyloid fibrils by aggregate prone proteins thermodynamic implications and possible inhibition by model peptides	Dr. Suroopa Chakraborty Deptt. Of Chemistry Bose Institute 93/1, APC Road Kolkata - 700009
75.	SR/WOS-A/LS-99/2006 07.02.2007	Genetic enhancement of Rattan germplasm (Calamus sp.) of Northeast India	Dr. Prabalee Sarmah Deptt. Of Plant Breeding & Genetics Assam Agricultural University Jorhat - 785013
76.	SR/WOS-A/LS-51/2006 07.02.2007	Molecular cloning, characterization and functional significan of P450 aromatase gene in the catfish heteropneusis fossilis	Dr. Radha Chaube Deptt. Of Zoology Banaras Hindu University Varanasi - 221005
77.	SR/WOS-A/PS-06/2006 12.02.2007	Development and Characterization of n-ZnO/p-Si sol gel derived photodiode	Dr. Babita Gupta Deptt. Of Electronic Science Delhi University South Campus New Delhi - 110021
78.	SR/WOS-A/LS-82/2006	Algal resources of India-systematic study and evaluation as food and nutritional supplements	Dr. Maya Subramoni Biosciences Research Centre Mar Athanasios College for Advanced Studies

	01.03.2007		Tiruvalla - 689101
79.	SR/WOS-A/CS-08/2006 09.03.2007	Conducting polymer composites for housing electronic equipments to avoid static electricity and to control electromagnet radiations in the range of GH2 to 40 GHZ	Dr. S. Geetha Function Materials Division Central Electrochemical Research Institute Karaikudi - 630006
80.	SR/WOS-A/LS-22/2006 26.03.2007	Post transcriptional silencing of gene encoding vacuolar acid invertase for reduction of cold induced sweetening in potato	Dr. S. Sumathi Deptt. Of Crop Improvement Central Potato Research Institute Shimla - 171001
81.	SR/WOS-A/LS-76/2006 26.03.2007	Bioactives from the endophytes of medicinal plants	Dr. M.S. Nalini Deptt. Of Studies in Applied Botany, Seed Pathology and Bio-technology, Downy Mildew Research Laboratory Mysore University Manasagangotri Mysore - 570006