

**List of New Projects Sanctioned under Women Scientists Scheme-B (WOS-B)
During 2016-17
Agriculture & Allied Sciences (AAS)**

Sl. No.	Reference No. & Project Title	PI Name & Institute Address	Duration (Years)	Total Cost (Rs.)
1.	SR/WOS-B/16/2016 In vitro propagation of Sugandhmantri (Homalomena aromatica Schott): An endangered, high economic potential aromatic medicinal herb of North east-India- Alternative solution for sustainable development and livelihood generation	Dr Bachaspatimayum Debkumari Manipur University Canchipur-795003 Manipur	3	2943000
2.	SR/WOS-B/97/2016 Entrepreneurship development for utilizing, unutilized rural flora for preparation of value added products using dehydration technique in three districts of West Bengal	Dr Supriya Roy B-10/242, Kalyani Nadia-741235 West Bengal	3	2711000
3.	SR/WOS-B/109/2016 Evaluation of Kunapajala of Vrikshyurveda as an alternative nutrient supplement for organic cultivation of black pepper (Piper nigrum L)	Ms Reesamol G Vaz Sahyadari Research and Training Institute for Eco-Farming and Rural Technology Peermade-685531 Kerala	3	1861000
4.	SR/WOS-B/118/2016 Optimization/adaptation of beekeeping for mitigation of man-elephant conflict in Nakarunda village in Dehradun district	Dr Deepti Pandey HESCO Dehradun-248001 Uttarakhand	3	2984000
5.	SR/WOS-B/137/2016 Production and use of indigenous local strains of microbial pesticides through trainings, demonstrations and installation of cost effective production units for the farmers of Rajasthan	Dr Jola Dubey Department of Pharmacy, Jhunjhunu-333031 Rajasthan	3	2633000
6.	SR/WOS-B/144/2016 Promoting micronutrient enriched chicken meat and egg production among rural women using mobile app.	Ms R Swetha Karnataka Veterinary, Animal & Fishries Science University Bidar-573202 Karnataka	3	2081000
7.	SR/WOS-B/162/2016 Studies on venation skeleton preparation and preservation of different families of leaves for dry flower industry	Dr Saima Rashid Mir Flat NO.4, Omkar Cooperative Housing Society Pune-411008 Maharashtra	2	1867000
8.	SR/WOS-B/170/2016 Development and dissemination of Agri-based technologies being optimized at IIT Mandi: From lab to farmer's field by mid-Himalayan region	Dr Reshma Sao IIT Mandi, Kamand-175005 Himachal Pradesh	3	2680000
9.	SR/WOS-B/171/2016 Copper, chitosan and trichoderma synergy for effective and safe plant protection in vegetables	Dr Nandani Shukla G B Pant University of Agriculture & Technology Pant Nagar-263145 Uttarakhand	3	2542500

10.	SR/WOS-B/199/2016 Biodiesel production from dairy industry wastes	Ms Jaganmai Gollapalli Acharya Nagarjuna University Guntur-522510 Andhra Pradesh	3	1772000
11.	SR/WOS-B/282/2016 Investigation on seaweed based synbiotic formulation for combating malnutrition in Sundargarh district of Odisha	Ms K R Karthika Parvathy NIT Rourkela-769008 Odisha	3	2220000
12.	SR/WOS-B/283/2016 Enhancement of livelihood security among livestock rearers through technological interventions	Dr Ravleen Kour Sher-E-Kashmir University AST Jammu-181102 Jammu & Kashmir	3	2319000
13.	SR/WOS-B/298/2016 Technology development for production of ready-to-eat extrudates from germinated brown rice for enhancing livelihood security in North Eastern region of India	Ms Swati Bhauso Patil Central Agricultural University Ranipool-737135 Gangtok	1	575000
14.	SR/WOS-B/300/2016 Field demonstration, extension oriented activities and research in biological control of Parthenium for the rural development	Dr Jaya Singh ICAR Jabalpur-482004 Madhya Pradesh	3	2888400
15.	SR/WOS-B/455/2016 Documentation of best conservation practices being followed by tasar silkworm, Antheraea mylitta rears in villages to improve socio-economic status of the locals giving emphasis on the womenfolk	Dr Kalpana A Kalaskar SGBA University Amaravati-444602 Maharashtra	3	2854000
16.	SR/WOS-B/551/2016 Application of phytoremediation technology in management and remediation of indoor air quality	Dr Seemaa Shirish Ghate Know How Foundation Pune-411021 Maharashtra	3	2911000
17.	SR/WOS-B/569/2016 Toxic effects of insecticides in honey bee/ honey and empowerment of small and marginal farmers	Dr Tulsi Bhardwaj Div of agriculture extension New Delhi-110012 Delhi	3	2427000
18.	SR/WOS-B/580/2016 Livelihood enhancement of small farmers of Uttarakhand hills through integration of simple, cost effective, eco-friendly Rural technologies	Dr Deepa Bisht G B Pant Institute of Himalayan Environment & Development Almora-263643 Uttarakhand	3	2899000
19.	SR/WOS-B/581/2016 Improving the livelihoods of marginalized communities and minimize their dependencies on the forest through promotion of low cost technologies and skill development in central Himalayan region of Uttarakhand	Dr Ruchira Bist Kumaun University Nanital-263002 Uttarakhand	3	3050000

20.	SR/WOS-B/608/2016 Documentation of biodiversity and conservation of indigenous landraces through community seed banks in potential biodiversity management committees 3(BMCs) of Adilabad & Mahbubnagar district of Telangana	Dr Shilpi Sharma NBPGR Hyderabad-500030 Telangana	3	2719000
21.	SR/WOS-B/616/2016 Mitigation of green house gases in rice fields by using Trichoderma based biofertilizer	Ms Afroz Ali CSIR_NBRI Lucknow-226001 Uttar Pradesh	3	1974000
22.	SR/WOS-B/620/2016 Exploration, characterization and standardization of traditional natural dye for silk yarn and fabric dyeing in Manipur	Dr Rajkumari Lokeshwari Devi Institute of Bioresources and Sustainable Development, Imphal-795001 Manipur	3	2724000
23.	SR/WOS-B/653/2016 Improvement of biofertilizers formulation and their use in upliftment of marginal farmers and tribals	Dr Iti Gontia Mishra J N Krishi Vishwa Vidyalaya Jabalpur-482004 Madhya Pradesh	3	2964000
24.	SR/WOS-B/739/2016 Enhanced production of Indican (Precursor of indigo dye) from cell suspension culture of Indigofera tinctoria and its up-scaling through bioreactor	Ms Sanchita Sharma M S Ramaiah Institute of Technology Bangalore-560054 Karnataka	3	2372000
25.	SR/WOS-B/769/2016 Integrated approach of bio-inoculants for yield enhancement and disease management in menthol mint (Mentha arvensisL.)	Dr Shruti Chaturvedi MTND, CSIR-CIMAP Lucknow-226015 Uttar pradesh	3	2829000
26.	SR/WOS-B/783/2016 Optimization of Technology for making pine needle briquettes for alternative energy source	Dr Deepti Verma ICFRE Dehradun-248006 Uttrakhand	3	252000
27.	SR/WOS-B/786/2016 Promotion of environmental bt safe farming in selected Bangalore rural areas by using vermicompost products, bio-fertilizers, bio-control agents and bio-pesticide (entomophagaous fungi, bacteria, virus and botanicals)	Dr Gayathri S.S Devi M C Educational Society Bangalore-560052 Karnataka	3	2693000
28.	SR/WOS-B/806/2016 Utilization of novel biotechnoogical tools using agro-waste products for livelihood improvement of farmers of Meghalaya, India	Ms Chinky M Marak North Eastern Hill University Chandmari-794002 Meghalaya	3	1860000
29.	SR/WOS-B/818/2016 Encapsulation of pesticides by Magnetic nanoparticles coated with polysaccharides to improve the input delivery	Dr Ritu Mahajan INST Mohali-160062 Punjab	3	3158400
30.	SR/WOS-B/853/2016 Performance evaluation of farm ponds in dry land areas of TamilNadu	Dr A. Anitha Pauline Sethu Bhaskara Agriculture College& Research Foundation Sivangani-630306 Tamil Nadu	3	2735000

Health, Food & Nutrition (HFN)

Sl. No.	Reference No. & Project Title	PI Name & Institute Address	Duration (Years)	Total Cost (Rs.)
1.	SR/WOS-B/19/2016 Automated cardiac MRI segmentation and analysis for diagnosis and follow up	Ms Niharika Das Department of Maths and Computer Application, Maulana Azad National Institute of Technology, Bhopal-462041 Madhya Pradesh	3	1853000
2.	SR/WOS-B/134/2016 Development of a microbial based technology for the treatment of automobile effluent and solid waste with simultaneous recovery of heavy metals	Dr Pooja U Singh Environmental Science & Management Symbiosis Centre of research and Innovation, Symbiosis International University, Pune-411045 Maharashtra	3	3207000
3.	SR/WOS-B/140/2016 Development of computer vision based 3D Indian sign languages recognition to assist differently abled	Ms Sandipa Roy Center for Soft Computing Research, Indian Statistical Institute, Kolkata-734005 West Bengal	3	1686500
4.	SR/WOS-B/202/2016 Design and development of phonocardiography based psychological stress classifier	Ms Amandeep Cheema Thapar University, Patiala-140001 Punjab	1	615000
5.	SR/WOS-B/224/2016 Microwave assisted mechano-chemical processing of I) functionally graded bioceramics for medical and II) lead free piezoelectric ceramics for multifunctional applications	Dr Sonia Department of physics & Astronomy, National Institute of Technology (NIT) Rourkela Rourkela-769008 Odisha	3	2295000
6.	SR/WOS-B/252/2016 Evaluation of stimulants to enhance the productivity of Indian freshwater pearl forming mussels, lamelidens marginalis under laboratory conditions	Ms Sophia Pattnaik Department of Zoology, Ravenshaw University, Cuttack-753003 Odisha	3	2115000
7.	SR/WOS-B/570/2016 Development of bioinoculant based formulation for enhanced phytoremediation of poly chlorinated biphenyl (PCB) contaminated soil	Ms Monika Sandhu Department of Biological, Birla Institute of Technology & Science, Pilani Pilani-333031 Rajasthan	3	2080000
8.	SR/WOS-B/587/2016 Biodegradable plastics from agricultural waste materials	Dr R Reshmy Post Graduate Department of Chemistry, Bishop Moore College, Mavelikara-690110 Kerala		3135000
9.	SR/WOS-B/645/2016 Ecofriendly and economical orange peel mosquito repellents	Dr Sonal Dhabekar Department of Chemistry, L.A.D College for Women, Shankar Nagar Nagpur-440010 Maharashtra	3	2735000

10.	SR/WOS-B/658/2016 Constructed wetlands for wastewater treatment and analytical validation to cope with water shortages(COWET)	Dr Archana Jain Department of Chemistry, Rani Durgavati Vishwavidyalaya, Jabalpur-482001 Madhya Pradesh	3	3045000
11.	SR/WOS-B/701/2016 Chetas	MsM Sreeja Department of Computer Science & Engineering, National Institute of Technology Calicut, Calicut-673007 Kerala	3	1897700
12.	SR/WOS-B/715/2016 Design and development of a smart mobile phone back panel based on the distress acoustic signal for women security	Dr Disha Handa Department of Electronic and Communication Engineering, University Institute of Engineering & Technology, Panjab University, Chandigarh-160014 Punjab	3	2895000
13.	SR/WOS-B/740/2016 Development of a sustainable process for the production of poly-3-hydroxybutyrate using kitchen and food waste	Dr R Sindhu Microbial Processes and Technology Division, CSIR-National Institute for Interdisciplinary Science and Technology (NIIST), Thriuvananthapuram-695019 Kerala	3	2872500

Engineering & Technology Development (ETD)

Sl. No.	Reference No. & Project Title	PI Name & Institute Address	Duration (Years)	Total Cost (Rs.)
1.	SR/WOS-B/21/2016 Estimating India specific natural history TB parameters	Dr Surabhi Pandey House No 2054 B,First Floor, Block-C, Sushant Lok-1 Gurgaon-122003 Haryana	3	2797000
2.	SR/WOS-B/64/2016 Interstate assessment of nutritional status of workers in experimental salt works: A community-based nutritional bank model	Dr Mayuri Banerjee Bhattacharya Salt and Marine Chemicals Division, CSIR-Central Salt and Marine Chemical Research Institute, G.B Marg, Bhavnagar Bhavnagar-364002 Gujarat	2	1641700
3.	SR/WOS-B/65/2016 Detection and analysis of osteoarthritis in knee X-ray images using machine vision	Ms Pooja U Patravali Department of Computer Science, Rani Channamma University, Belagavi, Karnataka	3	2210000
4.	SR/WOS-B/131/2016 Development of a point-of-care diagnostic test for tuberculosis	Dr Sweena Chaudhari Department of Animal Biology, School of Life Science,University of Hyderabad P.O Central University, Gachibowli, Hyderabad-500046 Telangana	3	3165500
5.	SR/WOS-B/250/2016 Affordable system for early detection of breast cancer using novel infrared imaging and real time diagnosis	Ms K Sruthi Amrita Centre for Wireless Networks and Applications, Amrita Centre for International Programs, Amrita Vishwa Vidyapeetham, Amritapuri, Kollam-690525 Kerala	3	2497000
6.	SR/WOS-B/467/2016 In vivo oral administration of encapsulated beads of probiotic bacteria against pathogenic vibrio species of shrimps: evaluation of optimal conditions for encapsulation	Ms Kunchala Rajyalakshmi Department of Biotechnology, Acharya Nagarjuna University, Nagarjunanagar Guntur-522510, Andhra Pradesh	3	1794000
7.	SR/WOS-B/602/2016 Status of occupational health & safety in two study sites: i) Pudacherry city and II) Two zones of Chennai Municipal Corporation, Chennai and development of a Puducherry city OSH model: an input towards constructing a structured program for occupational health & safety in India	Ms M Vishnupriya Department of Preventive & Social Medicine, Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER), Dhanvantri Nagar, Puducherry Pondicherry-605003 Pondicherry	3	1952000
8.	SR/WOS-B/674/2016 Development of a POC device to detect high risk HPV in cervical cancer patients and co-relation with the protein markers	Dr Sridevi Duggirala Department of Biotechnology, Indian Institute of Technology Madras Chennai-41 Tamil Nadu	3	2982500

9.	SR/WOS-B/698/2016 Malaria transmission potential of two distinct biological species of Anopheles subpictus complex and development of molecular diagnostics for their discrimination	Ms Ankita Sindhania Molecular Biology Division, National Institute of Malaria Research, Dwarka, New Delhi-110077 Delhi	3	2060000
10.	SR/WOS-B/746/2016 Effect of Intervential strategies on Insulin resistance in prediabetes:An open label prospective multicentre study	Ms K Mohsina Hyder Department of Pharmacy Practice, J.S.S College of Pharmacy, Rocklands Ooty-643001 Tamil Nadu		2585000
11.	SR/WOS-B/843/2016 Evaluation of environment friendly control measures of japanese encephalitis vector in its breeding site in worstly effected region of Sonitpur District of Assam	Ms Oli Talukdar Department of Environmental Sciences, Tezpur University, Tezpur-784028 Assam	3	1805000
12.	SR/WOS-B/254/2016 Evaluation of traditionally consumed minor millets ihn relation to the methods of food processing and its impact on glycaemic index	Dr P Janaki Srinath 404, Signature Apartments, St. No 17 Himayath Nagar, Hyderabad-500029 Telangana	3	2840500
13.	SR/WOS-B/565/2016 Fabrication of highly Hydrophilic Polyvinylidene Fluoride (PVDF) ultra filtration membranes for water purification	Dr Shabnam Pthan Department of Materials Engineering, Indian Institute of Science (IISc), Banglore-560012 Karnataka.	3	2471000
14.	SR/WOS-B/813/2016 Domestic solar energy optimization system	Dr Pallavi Garg Department of Civil Engineering, Indian Institute of Technology- Roorkee,-247667 Uttarakhand	3	2634000