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

20.	SR/WOS-B/608/2016	Dr Shilpi Sharma	3	2719000
		NBPGR	J	2715000
	Documentation of biodiversity and	Hyderabad-500030		
	conservation of indigenous landraces through community seed banks in	Telangana		
	potential biodiversity management			
	committees 3(BMCs) of Adilabad &			
	Mahbubnagar district of Telangana			
21.	SR/WOS-B/616/2016	Ms Afroz Ali	3	1974000
21.		CSIR NBRI		1571000
	Mitigation of green house gases in rice	Lucknow-226001		
	fields by using Trichoderma based	Uttar Pradesh		
22	biofertilizer	Da Bailannani Lakashuyani Davi	3	2724000
22.	SR/WOS-B/620/2016	Dr Rajkumari Lokeshwari Devi Institute of Bioresources and	3	2724000
	Exploration, characterization and	Sustainable Development,		
	standardization of traditional natural dye	Imphal-795001 Manipur		
	for silk yarn and fabric dyeing in Manipur	•		
23.	SR/WOS-B/653/2016	Dr Iti Gontia Mishra	3	2964000
	Improvement of biofertilizers formulation	J N Krishi Vishwa Vidyalaya		
	and their use in upliftment of marginal	Jabalpur-482004		
	farmers and tribals	Madhya Pradesh		
24.	SR/WOS-B/739/2016	Ms Sanchita Sharma	3	2372000
-		M S Ramaiah Institute of	-	
	Enhanced production of Indican	Technology		
	(Precursor of indigo dye) from cell suspension culture of Indigofera tinctoria	Bangalore-560054		
	and its up-scaling through bioreactor	Karnataka		
25.	SR/WOS-B/769/2016	Dr Shruti Chaturvedi	3	2829000
23.		MTND, CSIR-CIMAP	3	2027000
	Integrated approach of bio-inoculants for	Lucknow-226015		
	yield enhancement and disease	Uttar pradesh		
	management in menthol mint (Mentha	princessi		
26	arvensisL.)	D D A' W		252000
26.	SR/WOS-B/783/2016	Dr Deepti Verma	3	252000
	Optimization of Technology for making	ICFRE Dehradun-248006		
	pine needle briquettes for alternative	Uttrakhand		
	enery source			
27.	SR/WOS-B/786/2016	Dr Gayathri S.S Devi	3	2693000
	Promotion of environmental bt safe	M C Educational Society		
	farming in selected Bangalore rural areas	Bangalore-560052		
	by using vermicompost products, bio-	Karnataka		
	fertilizers, bio-control agents and bio-			
	pesticide (entomophagaous fungi,			
	bacteria, virus and botanicals)			
28.	SR/WOS-B/806/2016	Ms Chinky M Marak	3	1860000
	Utilization of novel biotechnoogical tools	North Eastern Hill University		
	using agro-waste products for livelihood	Chandmari-794002		
	improvement of farmers of Meghalaya,	Meghalaya		
	India			
29.	SR/WOS-B/818/2016	Dr Ritu Mahajan	3	3158400
- /•		INST	J	2130400
	Encapsulation of peticides by Magnetic	Mohali-160062		
	nanoparticles coated with polysaccharides	Punjab		
20	to improve the input delivery	, and the second		252522
30.	SR/WOS-B/853/2016	Dr A. Anitha Pauline	3	2735000
	Performance evaluation of farm ponds in	Sethu Bhaskara Agriculture		
	dry land areas of TamilNadu	College& Research Foundation		
	ary land areas of TamilNadu	Sivagangi-630306 Tamil Nadu		

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-411045Maharashtra	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 mechanochemical 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 basedformulation for enhanced phytoremediation of poly chorinated 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 wstewater treatment and analytical validation to cope with water shortages(COWET)	Dr Archana Jain Deaprtment 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 moblie 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 kitchn 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	Ms Ankita Sindhania	3	2060000
	Malaria transmission potential of two distinct biological species of Anopheles subpictus complex and devlopment of molecular diagnostics for their discrimination	Molecular Biology Division, National Institute of Malaria Research, Dwarka, New Delhi-110077 Delhi		
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 enchephalitis 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