

List of concept notes recommended under SYST scheme

The concept notes received by the Department under the Scheme for Young Scientists and Technologists were considered by the Screening Committee. The committee recommended the following concept notes to be submitted as full proposals to the Officer In charge. Individual Communication is being sent to the recommended candidates, however, no communication will be sent to the Not recommended candidates.

S. No.	Ref No. Project title, Name and Address of PI
1.	<p>SYST-001 Synthesis of microbiological sieves from leaves of <i>Tectona grandis</i> L.</p> <p>Dr. Gayatri Dave P.D. Patel Institute University of Science & Technology, Changa, Gujarat,</p>
2.	<p>SYST-004 Response of <i>Nymphula depunctalis</i> Guenée to the volatiles of certain plants of ethnic importance and development of cost-effective technique for trapping the bioactive compounds.</p> <p>Dr. Hiren Gogoi Department of Zoology, Rajiv Gandhi University, Arunachal Pradesh</p>
3.	<p>SYST-005 Development of an affordable and robust disinfection system for rural India.</p> <p>Dr. Shihabudheen M. Maliyekkal Environmental Engineering Division, Department of Civil Engineering, School of Mechanical & Building Sciences, VIT University, Chennai Campus, Vandalur- Kelambakkam Road, Chennai – 600 127</p>
4.	<p>SYST-006 Diffusion of gender based entrepreneurship development through aquaculture technology and its marketing strategy for the livelihood upliftment measure of economically disadvantage (eda) SC/ST fisherwomen of Tamilnadu.</p> <p>C. Jeevitha Department of Fisheries Information and Statistics(DFIS) Fisheries College and Research Institute, Thoothukudi</p>
5.	<p>SYST-008 Repeatedly-heated cooking oil and intestinal cancer development in a mouse model: a mechanistic approach.</p>

	<p>Dr. P.V. RekhaDevi Indian Institute of Chemical Technology, Hyrabdead (A.P.) – 500057, India.</p>
6.	<p>SYST-015 Development of Organic Farming of Naga King Chili for Sustainable Agriculture.</p> <p>Dr. Mechuselie Kehie Plant Biotechnology Laboratory, Department of Botany, NEHU, Shillong-22</p>
7.	<p>SYST-019 Study of ferro fluid bearing based small wind turbines for lightening street lights and charging small electronic equipments.</p> <p>Dr. Vinod Kumar DCR University of Science & Technology, Murthal, Sonapat, Haryana – 131039</p>
8.	<p>SYST-032 Fabrication of catheters coated with metal oxide nanoparticles of essential trace elements for the preventing formation of bacterial biofilm.</p> <p>Dr. T. Sivakumar Ayya Nadar Janaki Ammal College, Affiliated to Madurai Kamaraj University, Sivakasi- 626 124, Tamilnadu</p>
9.	<p>SYST-033 A novel energy saving method for air-conditioning systems using phase change materials in cold storage.</p> <p>Dr. Shanmuga Sree Sastha Institute of Engineering and Technology, Chennai-600 123</p>
10	<p>SYST-038 Solar PV assisted portable oxy-hydrogen stove for cooking.</p> <p>Dr. Jyoti Prakash B. Yadav Shivaji University, Vidyanagar, Kolhapur-416004,</p>
11.	<p>SYST-041 Development of Apparel from Recycled Yarns.</p> <p>Mr Thilak Vadicherla Department of Textile & Fashion Technology, Bannari Amman Institute of Technology,</p>

	Sathyamanglam Erode district, Tamilnadu-638401.
12.	<p>SYST-042 Biopolymer matrices from agro-wastes and sea-food wastes: remedies for preventing and curbing metal pollution in water bodies.</p> <p>Dr. (Ms.) Neelu N. Nawani Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Survey No. 87/88, Mumbai-Pune Expressway, Tathawade, Pune 411033. Maharashtra.</p>
13.	<p>SYST-050 Improvement of bioavailability of an antihypertensive drug by preparing nanoparticles using supercritical antisolvent method</p> <p>Dr. Lalit Kumar Manipal College of Pharmaceutical Sciences, Manipal University, Manipal, Madhav Nagar, Karnataka – 576 104</p>
14.	<p>SYST-054 Development of Titania Pillared Clay membrane for catalytic waste water treatment.</p> <p>Dr Tanushree Chaudhary School of Advance Studies, VIT University Campus, Chennai</p>
15.	<p>SYST-057 Development of interactive hydraulic activated device for chronic post stroke therapy</p> <p>Dr. L. Ashok Kumar Electrical & Electronics Engineering, PSG College of Technology, Coimbatore - 641 004, Tamilnadu</p>
16.	<p>SYST-058 Screening of marine biotoxins for antimalarial and vector control purposes</p> <p>Dr. S. Bragadeeswaran Centre of Advanced study in Marine Biology Annamalai University, Parangipettai - 608 502, Cuddalore, Tamil Nadu</p>
17.	<p>SYST-060 Development of a novel multi input converter configuration for solar/wind hybrid systems for powering telecom loads of rural India.</p> <p>W. Margaret Amutha SSN College of Engineering, Kalavakkam, Kanchipuram District-603110</p>
18.	<p>SYST-068 Effect of Probiotic in Prevention or Delay in the Onset of Type 2 Diabetes in Prediabetes: A randomized Controlled Study.</p>

	<p>Ms. Sonal Sekhar M Dept. of Pharmacy Practice, MCOPS, Manipal University Manipal, Karnataka-576104.</p>
19	<p>SYST-088 Isolation, Screening, Mass production and Promotion of Entomopathogens among the vegetable growers of Belgaum district.</p> <p>Dr. Ramanagouda Hadlageri Department of Horticultural Entomology, Kittur Rani Channamma, College of Horticulture, Arabhavi,TQ: Gokak, Dist: Belagum Karnataka</p>
20.	<p>SYST-094 Synergistic effect of curcumin and biogenic gold nanoparticles in treating cervical cancer.</p> <p>Dr. Mohammad Feroz Alam Medical College, Aligarh Muslim University, Aligarh, U. P.</p>
21.	<p>SYST-096 Optimization of traditional sublimation technique using modern methods for putru pathangam (an anticancer drug)</p> <p>Dr.Arul Amuthan Dept. of Pharmacology, Melaka Manipal Medical College, Manipal University, Manipal</p>
22.	<p>SYST-098 Large scale field evaluation of wettable powder formulation of an indigenous strain of Beauveria bassiana (Bals.) vuill. against rice leaf folder, Cnaphalocrocis medinalis (Guenee) and case worm, Nymphula depunctalis (Guenee) and</p> <p>Purnima Das Hazarika Department of Entomology, Assam Agricultural University, Jorhat - 13</p>
23.	<p>SYST-101 Design, Development and Testing of low cost post harvest equipments for Aonla and Jackfruit.</p> <p>Dr. Rama Chandra Pradhan Post Harvest Technology & Bio Process Engg. Department of Farm, Engineering, Institute of Agricultural Sciences Banaras Hindu University (BHU), Varanasi - 221005 (U.P.)</p>
24.	<p>SYST-105</p>

	<p>Evaluation of the levels of acaricidal susceptibility of oligonychus coffee Nietner (Acari: Tetranychidae) and development of an integrated resistance management strategy (IRM) for management of the pest in tea plantations of Assam.</p> <p>Dr. Somnath Roy Entomology Department Tocklai Tea Research Institute, Jorhat – 785008, Assam</p>
25.	<p>SYST-112 Orchid cultivation for socio-economic development in the tropical hills of India.</p> <p>Dr. Kaveriamma. M.M College of Forestry University of Agricultural Sciences Sub-campus Ponnampet, S. Kodagu, Karnataka</p>
26.	<p>SYST-117 Textile Reinforced Concrete Median Barrier as Cost-Effective Life Saving Technology.</p> <p>Dr. Smitha Gopinath CSIR-Structural Engineering Research Centre, CSIR Road, Taramani (P.O.), Chennai – 600113</p>
27.	<p>SYST-127 Developing a farmer friendly breeding and culture technique of ompokpabo in captive condition.</p> <p>Dr. Jugabrat Das Deptt. of Zoology Goalpara College, Goalpara Pin 783101, Assam</p>
28.	<p>SYST-130 Sustainable Crop Production: Conservation and Augmentation of Indian honey bee in Kullu valley (HP).</p> <p>Dr. Prasannakumar, N.R. Indian Agricultural Research Institute, Regional Station, Katrain (Kullu Valley), Kullu, Himachal Pradesh-175 129</p>
29.	<p>SYST-134 Adoption of New Technology for Mass Cultivation, Sustainable Harvesting and Commercial Production of Vegetable Fern (<i>Diplazium esculentum</i> (Retz.). Sw.) in Manipur.</p> <p>Dr Yumkham Sanatombi Devi Ethnobotany & Plant Physiology Laboratory, Centre of Advanced Studies in Life Sciences, Manipur University, Canchipur- 795 003</p>

30.	<p>SYST-147 Field trials of developed plants based Biopesticide for management of major defoliator of Poplar in Northern region and conduction of awareness programmes for farmers.</p> <p>Dr. Rashmi Forest Research Institute, Dehradun,</p>
31.	<p>SYST-149 Design and Development of Manually Operated Equipments for Bamboo Stripes Manufacturing.</p> <p>Dr. Sachin D. Kore Indian Institute of Technology, Guwahati</p>
32.	<p>SYST-160 Preparation and evaluation of chitosomes for active delivery of antimicrobial peptides for multi drug resistant microbial infections.</p> <p>Dr. D. Mubarak Ali Central Inter-Disciplinary Research Facility Research Supervisor under Sri Balaji Vidyapeeth University, Mahatma Gandhi Medical College and Research Institute Campus, Puducherry - 607402</p>
33.	<p>SYST-161 Synthesis of nanoparticle impregnated on apple pomace (waste) for removal of heavy metals from waste water.</p> <p>Dr. Yogesh B. Pakade Institute of Himalayan Bioresource Technology , Council of Scientific & Industrial Research (CSIR),Palampur, Himachal Pradesh, 176 061,</p>
34.	<p>SYST-171 Exploitation of silkworm pupal waste: A new dimension for augmenting production, productivity and seed quality of pulses in organic farming.</p> <p>Dr. B.Venudevan Dept. of Seed Science and Technology, Tamil Nadu Agricultural University Coimbatore - 641 003</p>
35.	<p>SYST-173 Empowerment & development of tribal, rural poor by training them for using power tools, machinery for making value added marble items from Mining & Processing Waste, thereby generating sustained livelihood.</p> <p>Er. Vikram Vikrant Rastogi, Stone Technology Foundation, Banswara, Rajasthan</p>

36.	<p>SYST-183 Socio-Economic Upliftment of High Altitude Farmers of Himachal Pradesh Through Transfer of Micropropagation Technologies for High Value Medicinal Herbs</p> <p>Dr. Hemant Sood Deptt. of Biotechnology and Bioinformatics, Jaypee University of Information Technology, Waknaghat,Solan-173 215 H.P</p>
37.	<p>SYST-186 Development of Carbon Nanostructure for supercapacitor based water filter system for the removal of Arsenic from Water.</p> <p>Dr. Neetu Jha Department of Chemical Engineering, ICT Mumbai, Nathalal Parekh Road, Matunga, Mumbai-400019</p>
38.	<p>SYST-197 Bamboo live fencing in traditional agro forestry systems for biodiversity conservation, social, economic and environmental sustainability.</p> <p>Dr. Arun Jyoti Nath Department of Ecology and Environmental Science Assam University, Silchar 788011, Assam</p>
39.	<p>SYST-212 Developing IT Enabled KIOSK Centre (E-Handweave) Service Providing Centre to Improve the Quality and Efficacy of the Marginalized Handloom Weavers.</p> <p>Dr. R. Kumarvelu M/s Vivekha Charitable Trust Kanchipuram-631502, Tamil Nadu</p>
40.	<p>SYST-230 Crop diversification in sugarcane through sequential relay cropping for higher system productivity and profitability.</p> <p>Dr.Nitin Gudadhe Department of Agronomy N. M. college of Agriculture Navsari Agricultural University Navsari - 396 450, Gujarat</p>
41.	<p>SYST-239 Automatic sorting of male and female silkworm cocoons for egg production.</p> <p>Dr. Alex Noel Joseph Raj Embedded Division School of Electronics Engineering, VIT University, Vellore - 632014. Tamil Nadu</p>

42.	<p>SYST-241 Innovative Learning and Website Design for Rural Government Higher Secondary Schools in Coimbatore District, Tamil Nadu.</p> <p>Dr. S. Smys Department of Information Technology, Karpagam College of Engineering, Myleripalayam, Othakkalmandapam Post, Coimbatore - 641 032, Tamil Nadu,</p>
43.	<p>SYST-246 Evaluation and demonstration of an intensive shrimp culture system, maximum natural feed utilization and minimal use of land, energy and water.</p> <p>Dr K.P. Kumaraguru Vasagam NGBD- Nutrition Central Institute of Brackishwater Aquaculture (CIBA), #75, Santhome High Raod, R.A. Puram, Chennai- 28</p>
44.	<p>SYST-249 Production and Testing of Granulated Bio-Nutrients Derived from Dairy Manure.</p> <p>Dr. Damodhara Rao Mailapalli Agricultural and Food Engineering Department, Indian Institute of Technology Kharagpur, Kharagpur – 721 302, West Bengal</p>
45.	<p>SYST-260 Protection of Crop form unseasonal spell of heavy rains and hail storms.</p> <p>Dr. Jayashree Sudhir Awati Electronics & Telecommunication Engg. Department Rajarambapu Institute of Technology, Sakharale Sangli Maharashtra - 415414</p>
46.	<p>SYST-262 Development of Net shape Alumina Dental Brackets by Ceramic Injection Moulding (CIM).</p> <p>Mr. Prosenjit Das CSIR-Central Mechanical Engineering Research Institute, Durgapur Near Net Shape Manufacturing Technologies Mahatma Gandhi Avenue, Durgapur-713 209, West Bengal</p>
47.	<p>SYST-272 Prospective approach in isolation and characterization of natural pigments from macro lichens in Central Western Ghats of Karnataka.</p> <p>Dr. Vinayaka K.S. P.G. Department of Botany Kumadvathi First Grade College, Swamy Vivekananda Vidyasamsthe</p>

	Shikaripura-577427, Shimoga, Karnataka
48.	<p>SYST-275 Fish Production under Organic and Conventional Input Management Practices: Impact on Growth and Quality of Fish and Aquatic Environment.</p> <p>Mr. C K Mukherjee Department of Agricultural & Food Engineering, IIT Kharagpur, Kharagpur – 721302, West Bengal</p>
49.	<p>SYST-307 Standardization of post harvest technologies for two important medicinal plants of India, viz., Ashwagandha (<i>Withania somnifera</i>) and Shatavari (<i>Asparagus racemosus</i>).</p> <p>Smitha G.R Directorate of Medicinal and Aromatic Plants Research, Boriavi, Anand, Gujarat</p>
50.	<p>SYST-310 Impact of seed borne pathogenic infection on major pulses and oilseed crops and development of management strategies to improve quality and yield parameters.</p> <p>Dr. P. Latha Department of Plant Pathology, Tamil Nadu Agricultural University Coimbatore – 641 003</p>
51.	<p>SYST-311 Development of house hold defluoridation unit using metal oxide nanoparticle impregnated polymer composites.</p> <p>Dr. M. RAJAN Department Natural Products Chemistry, School of Chemistry, Madurai Kamaraj University, Madurai - 625 021. Tamilnadu</p>
52.	<p>SYST-323 SEMI AUTOMIZATION OF JACQUARD LOOM.</p> <p>Mrs. Shobha.S.Kumbar Department of Electrical Engg Sanjay Ghodawat Group of Institutions, Kolhapur- Sangli Highway Atigre.Maharashtra</p>
53.	<p>SYST-325 Design of Energy Efficient Computer Towards Enhancement of Computer Literacy in India.</p> <p>Soumya Kanti Bhattacharya Assistant Professor Bengal College of Engineering & Technology,</p>

	Durgapur-12, West Bengal
54.	<p>SYST-331 Supplementary feeding of small ruminants to improve performance and enhance livelihood security of disadvantaged rural poor.</p> <p>Dr. Letha Devi G National Institute of Animal Nutrition and Physiology (ICAR), Gajendra Nagar, Adugodi, Bengaluru, Karnataka 560030</p>
55.	<p>SYST-347 Value addition of leafy vegetables for enhanced shelf life and medicinal application.</p> <p>Dr Bharat Bhusan Subudhi School of Pharmaceutical Sciences, Siksha O Anusandhan University, Ghatikia, Kalinganagar, Bhubaneswar-751003</p>
56.	<p>SYST-351 Design and Developing a Wireless Sensor Network Based Real Time Monitoring System for Enhancing Cultivation in Poly-Houses/Green Houses.</p> <p>B. Premamayudu Vignan's Foundation for Science, Technology & Research University 12-212, Cheelipalem, Chebrole Post and Mandal, Guntur dist - 522212, Andhra Pradesh</p>
57.	<p>SYST-358 Assessment of aromatic and dye yielding plants, their indigenous utilization pattern, commercial potential and conservation status for sustainable livelihood enhancement of tribal community of Arunachal Pradesh, North-Eastern Himalaya.</p> <p>Dr. K. S. Kanwal G.B. Pant Institute of Himalayan Environment & Development, North East Unit, Vivek Vihar, Itanagar- 791 113, Arunachal Pradesh</p>
58.	<p>SYST-361 Application of gamma radiation technology for treatment of ground water to minimize public health risks.</p> <p>Dr. Talat Parween Institute of Pesticide Formulation Technology (IPFT) HSIDC, Sector – 20, Udyog Vihar, Gurgaon</p>
59.	<p>SYST-365 Thermal Comfort Systems for Uttarakhand Buildings.</p> <p>Dr. Sudhakar Subudhi Department of Mechanical and Industrial Engineering, IIT Roorkee, Roorkee</p>
60.	<p>SYST-383 A pilot study - Vermifiltration of sewage water from the selected areas of Coimbatore district: low-cost sustainable technology</p>

	<p>Dr. G. Sasikala Department of Zoology, PSGR Krishnammal College for Women, Peelamedu, Coimbatore – 641 004.</p>
61.	<p>SYST-406 Socio-environmental impact and future implications of illegal coal mining on the foothill people of Nagaland.</p> <p>Dr. Temsulemba Walling Department of Geology Nagaland University, Kohima Campus, Meriema Kohima-797001, Nagaland</p>
62.	<p>SYST-419 Flyash Management: Eco-Restoration through phytoremediation as a sustainable technological solution</p> <p>Dr Hema Diwan National Institute of Industrial Engineering (NITIE), Mumbai</p>
63.	<p>SYST-421 Development of novel eco-friendly approach by combining two different methods for effective control of vector mosquito population in severe dengue affected areas of Tamilnadu – Laboratory scale assay.</p> <p>Dr. A. Koodalingam Department of Biotechnology, Sri Sankara Arts & Science College, Enathur, Kanchipuram, Tamilnadu – 631 561</p>
64.	<p>SYST-450 Monitoring of soil quality under saline environment of arid and semi-arid agro-ecological region of Gujarat to assess the suitability for groundnut production and associated benefits to the farming community.</p> <p>Dr. Debarati Bhaduri Directorate of Groundnut Research (ICAR), Junagadh- 362001, Gujarat</p>
65.	<p>SYST-457 Development of Digital Transfer Printing Technology on Jute based home textiles.</p> <p>Sampurna Chatterjee Indian Jute Industries, Research Association 17, Taratala Road, Kolkata-70088 West-Bengal</p>
66.	<p>SYST-466 Renewable Energy Based Smart Micro Grids for Socio-Economic Development of Rural Areas in India:An Approach Towards Sustainability.</p>

	<p>Dr. Sheeraz Kirmani Department of Electrical Engineering, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi-25</p>
67.	<p>SYST-479 Sub-surface clay pipe irrigation system for semi-arid/arid regions of Punjab.</p> <p>Dr. Balkrishna Sopan Bhole School of Agriculture, Lovely Professional University, Jalandhar, Delhi G T Road, Phagwara, Punjab – 144 411</p>
68.	<p>SYST-481 Automation of Hygienic Drinking Water Supply System using Wireless Sensor Networks.</p> <p>S. Kavipriya Department of Information Technology, Mepco Schenk Engineering College (Autonomous), Sivakasi – 626005</p>
69.	<p>SYST-488 Design of a Pilot Scale Constructed Wetland for Remediation of Groundwater Arsenic to Meet Sustainable Agricultural Demand: A Feasibility Case Study Analysis to be Performed in Village Bishnupur, South 24 Pargana District, West Bengal.</p> <p>Dr. Madhumita Roy Associate Professor Department of Biotechnology, Techno India University West Bengal</p>
70.	<p>SYST-503 Introduction and Popularization of Technologies suitable for Rejuvenation of the Aged Coffee plants for enhancing the growth and yield from Coffee cultivation in Wayanad and Kannur districts of Kerala state.</p> <p>Ms. Renju Peter Malabar Social Service Society Sreepuram, Pallikkunnu Post, Kannur-670004, Kerala State</p>
71.	<p>SYST-507 Reliable data transmission in wireless body area networks.</p> <p>K.Suriyakrishnaan Department Of ECE, CEG – Anna University, Chennai-25</p>
72.	<p>SYST-510 Development of organic fertilizers from castor oil waste for enhancing crop productivity.</p> <p>Dr. Rachana Jain</p>

	Department of Bio Science & Biotechnology, Banasthali University, Rajasthan
73.	SYST-532 Development of low cost high precision speech therapy device for persons with hearing/speech disorders. Dr. Gouri Shanker Patil Ali Yavar Jung National Institute for the Hearing Handicapped, Southern Regional Centre (SRC) Manovikas Nagar Secunderabad – 500 009 Andhra Pradesh
74.	SYST-544 Municipal solid waste treatment project for the upliftment of society especially the life of ragpickers. Mrs. Vigi Chaudhary Amity Institute of Biotechnology, Amity University Rajasthan, 14, Gopalbari, Jaipur
75.	SYST-545 Development of enzymatic and biochemical milk adulteration testing strips and kit for domestic use among women. Ms. Ankita Shrivastava New Era Research Foundation, 308/9, Avas Vikas Colony, Sikandara, Agra
76.	SYST-547 Phytochemical studies of some natural dyes from flowers from Vellore District, Tamil Nadu for the development of textile industries. Dr. G. MADHUMITHA Organic Chemistry Division, School of Advanced Sciences, VIT University, Vellore - 632 014. Tamil Nadu.
77.	SYST-553 Impact of Urbanization and Industrialization on Drinking Water Sources in Haridwar District. Er. Sumant Kumar Groundwater Hydrology Division, National Institute of Hydrology, Roorkee – 247 667.
78.	SYST-554 Assessment of land suitability for Bt cotton production under different socio-economic scenario in different agro-ecological region of India. Rajesh Kumar Meena

	National Bureau of Soil Survey and Land Use Planning (ICAR) Regional Centre, IARI Campus, New Delhi-110 012
79.	SYST-558 Bio-oil extraction from agro-residues using intermediate pyrolysis and its utilization in internal combustion engines at Indian Institute of Technology Ropar. Dr Rakesh Kumar Maurya School of Mechanical, Materials and Energy Engineering, IIT Ropar.
80.	SYST-563 Feasibility of small-scale production plant using fish oil for production of biodiesel using enzyme transesterification. Mr Jeyanthi Selvakumaran Unit of Marine Planktonology and Aquaculture Department of Marine Science, Bharathidasan University Tiruchirapalli - 620 024, Tamil Nadu
81.	SYST-564 Development and evaluation of dry powder inhaler for the chronic tuberculosis. Dr. Vaishali T. Thakkar Anand Pharmacy College, Opp. Town hall, Anand 388001, Gujarat, India
82.	SYST-567 Introduction and Evaluation of Passion fruit, avocado and fig as a new and potential fruit crop for Sub-humid Southern Plain of Rajasthan. Dr. Shalini Pilonia Department of Horticulture, Rajasthan College of Agriculture, Maharana Pratap University of Agriculture & Technology.
83.	SYST-575 Municipal Solid Waste Carbonation and Utilization: A cleaner approach for energy conservation and carbon dioxide sequestration. Dr. Nimisha Tripathi Shree Lalji Prashikshan Kendra, Dhanbad – 826 015, Jharkhand
84.	SYST-614 Livelihood enhancement of forest dependent communities through eco-restoration of degraded forests. M. Rajkumar

	Forest Ecology and Rehabilitation Division, Tropical Forest Research Institute (TFRI), Jabalpur (M.P.).
85.	SYST-619 Development of Human Powered Vehicle for Sustainable Urban Transportation. Dr. S. Denis Ashok Mechatronics Division, School of Mechanical and Building Sciences, Vellore Institute of Technology University, Vellore - 632014.
86.	SYST-621 Development of botanical based novel formulation with mosquito larvicidal action for Indian population. Dr. Paul Atish Tulshiram 3121D, Department of Pharmacy, Birla Institute of Technology and Science- Pilani, Pilani Campus, Pilani - 333 031, Rajasthan
87.	SYST-627 Establishment of mother plant nurseries for elite quality planting material of fruit crops in Hyderabad – Karnataka Region. Dr. Lavita Kandpal Department of Horticulture, MARS College of Agricultural Sciences, Raichur – 584 104
88.	SYST-633 Development of effective Herbal remedy to treat Mastitis in co-operation with the farmers to upgrade the cattle health in rural sector.. Somasundar K Dept. of Biotechnology, Sir M Visvesvaraya Institute of Technology, International Airport Road, Hunasamaranahalli, Bangalore North -562 157
89.	SYST-640 Biological treatment of fluorosis: Bioremediation and Probiotics. Tarun Kumar Bhatt Department of Biotechnology, Central University of Rajasthan, Kishangarh
90.	SYST-656 Study on impact of climate change and sea level rise on the lake hydrodynamics and water quality. Prof. Manasa Ranjan Behera

	Department of Civil Engineering, Indian Institute of Technology, Bombay
91.	SYST-657 Water Management for Rural Sector Using Solar Still. Dr. Richa K. Tyagi Department of Environmental Science, School for Environmental Sciences, Babasaheb Bhimrao Ambedkar University, Vidya Vihar, Rae Bareilly Road, Lucknow (U.P.)
92.	SYST-671 SARANYU: A Farmer Friendly Automatic Agricultural Robot based on Wireless Sensor Networks with Solar Power. Thangadurai. N Department of Electronics and Communication Engineering, Institute of Aeronautical Engineering, Dundigal, Quthbullapur, Hyderabad-500 043.
93.	SYST-677 Urolithiasis. Mihir Parikh Assistant Professor, Pharmacology department, Anand Pharmacy College, Anand, Gujarat
94.	SYST-697 Density Current Generator for Enclosed Water Bodies. Dr. Raghvendra Gupta Department of Chemical Engineering, BITS Pilani K K Birla Goa Campus, Zuarinagar, Goa - 403 726
95.	SYST-700 Street Smart - Intelligent and Weather Adaptive Lighting for Indian Streets. Dr. P.G. Sapna Department of Computer Applications, Coimbatore Institute of Technology, Civil Aerodrome Post, Avinashi Road, Coimbatore – 641 014, Tamil Nadu,
96.	SYST-707 Fabrication of pilot scale nano-reactor equipped with titanium dioxide nanofibrous membrane for photo-catalytic degradation of hospital wastewater into non- hazardous effluents: A novel cost effective nanotechnology based strategy for the management of hospital effluents discharging into urban sewer network. Dr. Himanshu Pandey Department of Pharmaceutical Sciences, Faculty of Health Sciences, Sam Higginbottom Institute of Agriculture Technology and Sciences Allahabad (U.P.)
97.	SYST-722

	<p>Characterization and purification of anti proliferative and anti inflammatory compounds from sponge symbionts and other microbes from bay of Bengal at Visakhapatnam Sea Coast.</p> <p>Dr. E Radha Krishna Department of Microbiology, Andhra University, Visakhapatna</p>
98.	<p>SYST-723 Introduction of Hydroponics technology in vegetable cultivation for enhancing the quality and quantity of vegetables in Kerala state with specific reference organic, chemical and integrated practices.</p> <p>Ms. Sunimol Sebastian Peermade Development Society (PDS), Peermade, Idukki (Dt.), Kerala – 685 531.</p>
99.	<p>SYST-724 Design, Fabrication, Evaluation and Dissemination of a Cost-effective Hybrid Machine for Continuous Cardamom Polishing and Pepper Threshing with special reference to Drudgery Reduction.</p> <p>Arun S. Chandran Peermade Development Society (PDS), Peermade, Idukki (Dt.), Kerala – 685 531.</p>
100.	<p>SYST-726 Increased productivity of Little Millets and Weed control in Rainfed agricultural system in Jawadhu Hills Tribal Block of Tamil Nadu for Increased Income and Food Security of Farmers.</p> <p>Mr. T. Ragul Programme Officer, Centre for Indian Knowledge Systems No. 972, Polur Road, Jawadhu Hills – 635 703, Tiruvannamalai Dt., Tamil Nadu.</p>