

Government of India
Ministry of Environment, Forests & Climate Change
(RE Division)

AGENDA for 19th Meeting of the Technical & Financial Appraisal Committee (TFAC) on R&D Scheme for Conservation & Development being held on 01st, 02nd and 03rd September, 2021 through video conferencing

Time: 10:00 Hours

1.0.0 Opening of the Meeting

2.0.0 Projects to be considered:

3.0.0 Any other matter with permission of Chair

2.0.1 PROJECT OF NEW R&D SCHEME FOR CONSIDERATION:

1. List of new projects received through online for Scrutiny and examination for consideration in the 19th Meeting of TFAC: 48 cases :-

Sr.No.	Registration Number & Date of project received	Thematic Area	Name of PI and Address	Title of Project and Duration	Date and Time
1.	341/2020/RE & 16/11/2020	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Dr SomnathSaha, Community For Social Work, 84 Rabindrapally , Shyamnagar , WEST BENGAL	Studies Physico-Chemical Properties of Coastal Soil in Fringe Areas of the Sunderbans for Restoration of the Mangrove Vegetation in West Bengal Duration:3 Years	01/09/2021 10:00 AM to 10:15 AM
2.	305/2020/RE &	Climate Change: Vulnerability & Risk Assessment, Process, Mitigation and Adaptation	Mr. Raj Kishore Singh, Environmental Management & Policy Research Institute	Carbon dynamics and Climate Change: Carbon Sequestration versus Carbon Emission in Bengaluru City	01/09/2021 10:15 AM to 10:30

	23/11/2020		(EMPRI)	Duration: 3 Years	AM
3.	355/2020/RE & 30/11/2020	Biodiversity Conservation including Issues of Alien and invasive species and Human-wildlife Interface	Prof. Nafees A. Khan, Aligarh Muslim University, Aligarh	Development of biodiversity park at Aligarh Muslim University, Aligarh Duration: 3 Years	01/09/2021 10:30 AM to 10:45 AM
4.	373/2020/RE & 11/12/2020	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Dr. ShivarajuHp, JSS Academy of Higher Education and Research, Sri Shivarathreswaranagara, Mysore, Karnataka	Designing and demonstration of catalysis hybridized bioreactor for anaerobic biogas production by diversified waste Duration: 3 Years	01/09/2021 10:45 AM to 11:00 AM
5.	345/2020/RE & 19/12/2020	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Dr. V. P. Uniyal, Wildlife Institute of India, Chandrabani, Dehradun, Uttarakhand, 248001	Landscape Level Assessment of Insect Pollinators in Protected Areas of Kullu district, Himachal Pradesh: Modelling Impact of Climate Change and Formulation of In-situ Conservation Strategies and Habitat Management Practices Duration: 3 Years	01/09/2021 11:00 AM to 11:15AM
6.	312/2020/RE & 20/12/2020	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Prof. Shri Kant Tripathi, Mizoram University, Aizawl 796004	Assessing rhizospheric and endophytic bacterial population along with their PGP activities and magnitude and composition of root exudates in forest chronosequences in Mizoram, northeast India. Duration: 3 Years	01/09/2021 11:15 AM to 11:30 AM
7.	308/2020/RE &	Use of remote sensing technology for inventorisation, assessment and monitoring of country"s natural resources such as land, water, forests,	Dr. Pillutla Rama Chandra Prasad, International Institute of Information Technology	Modeling the environmental impact of anthropogenic activities along the hills and hillocks of (in and around) Vijayawada city using geospatial technology	01/09/2021 11:30 AM to 11:45 AM

	29/12/2020	wetlands, glaciers etc. and for environmental conservation and protection on areas given above		Duration: 3 Years	
8.	17/2021/RE & 08/01/2021	Use of remote sensing technology for inventorisation, assessment and monitoring of country is natural resources such as land, water, forests, wetlands, glaciers etc. and for environmental conservation and protection on areas given above	Dr. UjjalDekaBaruah, Cotton University, Geography Department Cotton University Guwahati,	Modelling the Response of Glaciers to Climate Change along the Eastern Himalayas in Arunachal Pradesh, India Duration: 3 Years	01/09/2021 11:45 AM to 12:00PM
9.	12/2021/RE & 27/01/2021	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Dr. Muthukumar M, SRM Institute of Science and Technology Kattanku	Ecology of non Apis insect pollinators in KalakadMundanthurai Tiger Reserve (KMTR), Tamil Nadu Duration: 3 Years	01/09/2021 12:00 PM to 12:15 PM
10.	39/2021/RE & 09/02/2021	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Dr. M Balasubramanian, Institute for Social and Economic Change Nagara	Ecosystem Services Valuation for Natural Capital Accounts: A case study of Nilgiri Biosphere Reserve Duration: 3 Years	01/09/2021 12:15 PM to 12:30 PM
11.	40/2021/RE & 10/02/2021	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Dr. K.RaghuBabu, Yogi Vemana University, Vemanapuram, Kadapa YSR	Carbon sequestration by the green plants, Estimation and Recommendations: A case study in and around Kadapa city of Andhra Pradesh, India Duration: 3 Years	01/09/2021 12:30 PM to 12:45 PM
12.	59/2021/RE &	Biodiversity Conservation including Issues of Alien and invasive species	Dr. Ajaz Ahmed Wani, NagriDoda	Study on diversity, Status and Conversational Strategies of Avifauna of PirPanchal Range of Himalayas of Jammu &	01/09/2021 12:45 PM to 01:00

	28/02/2021	and Human-wildlife Interface		Kashmir. Duration: 2 Years	PM
13.	65/2021/RE & 19/03/2021	Sustainable Management of Natural Resources	Dr. Manisha Thakur, Dr YS Parmar University of Horticulture and Forestry, Nauni- Solan (HP)	Biotechnological interventions for propagation, ex situ conservation and secondary metabolite production of Himalayan Mayapple (PodophyllumhexandrumRoyle) Duration: 3 Years	01/09/2021 01:00 PM to 01:15 PM
14.	74/2021/RE & 24/03/2021	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Dr. Sriroop Chaudhuri, O. P. JIndal Global University, SonipatNarela Road, Sonipat, Haryana, India	Economic Valuation of Aravalli Ecosystem and its Implication on Sustainable Development of the Delhi-NCR Range Duration: 1 years 6 Month	01/09/2021 01:15 PM to 01:30PM
15.	85/2021/RE & 24/03/2021	Biodiversity Conservation including Issues of Alien and invasive species and Human-wildlife Interface	Prof. N. Radhakrishnan, St. Peters Institute of higher Education and Research	Biological Conservation strategies for endangered plant embeliaribes and ilex khasiana from Western and North Eastern India Duration: 3 Years	01/09/2021 02:00PM to 02:15PM
16.	108/2021/RE & 30/03/2021	Biodiversity Conservation including Issues of Alien and invasive species and Human-wildlife Interface	Dr. Soma M. Ghorai, Hindu College, University of Delhi	Environmental Impact assessment of developmental policies on Gekkonidae family of reptiles in and around Loktak Lake, Manipur and policy prescriptions for the conservation of the same. Duration: 2 Years	01/09/2021 02:15PM to 02:30PM

17.	103/2021/RE & 31/03/2021	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Dr. K S Kumaravel, Pandit Jawaharlal Nehru College of Agriculture and Research Institute	Economic Valuation of Mangroves and Wetlands for Sustainable Livelihood in Coastal Ecosystems of Andaman & Nicobar islands, Tamil Nadu and UT of Puducherry Duration: 3 Years	01/09/2021 02:30 PM to 02:45 PM
18.	102/2021/RE & 31/03/2021	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Dr. GunjanPatil, Guru GhasidasVishwavidyalaya	Economic valuation of Ecosystem Services of Achanakmar-Amarkantak Biosphere Reserve, India Duration: 3 Years 6 months	01/09/2021 02:45 PM to 03:00 PM
19.	86/2021/RE & 31/03/2021	Use of remote sensing technology for inventorisation, assessment and monitoring of country"s natural resources such as land, water, forests, wetlands, glaciers etc. and for environmental conservation and protection on areas given above	Dr. Dikesh Chandra Loshali, Punjab Remote Sensing Centre	Remote Sensing and GIS based Ecosystem Services Valuation of Agroforestry Systems Prevailing in Punjab – A case study Duration: 2 Years	01/09/2021 03:00PM to 03:15 PM
20.	106/2021/RE & 31/03/2021	Socio-economic issues of environment and Sustainable Development	Dr. Venkata Kanaka SrivaniMaddala, Vignans Foundation for Science Technology and Research deemed to be University	Analysis of Heavy Metals and Pesticide Residues in Soil and Water Samples of Selected Districts of Andhra Pradesh Duration: 3 Years	01/09/2021 03:15 PM to 03:30PM
21.	109/2021/RE &	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and	Prof. Trupti Mishra, Indian Institute of Technology Bombay,Bomaby,Powai,Mum	Valuation of mangrove ecosystems in Mumbai Metropolitan Region: Implications for economic, developmental, environmental and climatic benefits and	01/09/2021 03:30 PM to 03:45PM

	01/04/2021	Evaluation of Ecosystem Services	bai,Maharastra,400076	recommendations for ecosystem conservation Duration: 1 Years 6 months	
22.	82/2021/RE & 19/04/2021	Climate Change: Vulnerability & Risk Assessment, Process, Mitigation and Adaptation	Prof. Shweta Yadav, Dr Harisingh Gour Vishwavidyalaya (A Central University)	Molecular Assessment of diversity pattern of Clitellata (Annelida) including exotic / invasive assemblage and their contemporary association with soil factors to restore soil quality and to mitigate soil degradation Duration: 3 Years	01/09/2021 03:45 PM to 04:00PM
23.	66/2021/RE & 05/05/2021	Sustainable Management of Natural Resources	Prof. P.M.Mohan, Pondicherry University, R.V.Nagar, Kalapet, Puducherry - 605014	Identification of seagrass meadows using side scan sonar and towed camera around the east coast of South Andaman. Duration: 2 Years 11 months	01/09/2021 04:00 PM to 04:15PM
24.	139/2021/RE 26/06/2021	Sustainable Management of Natural Resources	Dr. Saurabh Jyoti Sarma, Bennett University, Plot No 8-11, TechZone II, Gr	Utilization of lignin for the production of value-added products by a metabolically engineered bacterium	01/09/2021 04:15 PM to 04:30PM
25.	138/2021/RE 19/06/2021	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Dr. Seema Sharma, Maharaja Ranjit Singh Punjab Technical University	Extraction of Silica from Rice Husk Ash- Process Scale up and Optimization	01/09/2021 04:30 PM to 04:45 PM

26.	132/2021/RE 12/06/2021	Conservation and Management of Landscapes and Ecologically sensitive areas including issues of sustainable livelihoods	Dr.(Mrs.). P. Nila Rekha, ICAR-Central Institute of Brackish water Aquaculture	Mapping, Monitoring and management of seaweeds resources and its utilization as a component of blue carbon farming in coastal region of Tamil Nadu and Gujarat	01/09/2021 04:45PM to 05:00PM
27.	148/2021/RE 10/06/2021	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	M. Karthikeyan, Tamil Nadu Agricultural University Coimbatore - 6	Development and Evaluation of a Microbial Consortium for the Bioremediation of Pesticide-Contaminated Soil in Southern Western Ghats of Tamil Nadu.	01/09/2021 05:00PM to 05:15PM
28.	30/2021/RE 15/07/2021	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Dr. Srikantha H, Jain Deemed to be University, Faculty of Engineering and Technology Jain Deemed	Design and Development of Novel Hybrid Treatment Technology for the removal of Antibiotics and Organics from Health Care Wastewater	01/09/2021 05:15PM to 05:30PM
29.	141/2021/RE 16/07/2021	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Dr. Suthakar Isaac S, St Johns College, Palayamkottai 627002 Tirunelveli District, Tamil Nadu	Assessment of ecosystem services for conservation of an endemic and endangered fruit bat, <i>Latidenssalimalii</i> in Kalakad Mundanthurai Tiger Reserve (KMTR), Tamil Nadu, India	01/09/2021 05:30 PM to 05:45 PM
30.	129/2021/RE 30/07/2021	Biodiversity Conservation including Issues of Alien and invasive species and Human-wildlife Interface	Dr. Mrinal Kanti Bhowmik, TRIPURA UNIVERSITY, Suryamaninagar, Tripura, 799022	Exploration of fish diversity in Feni River eco-system of Tripura Using Machine Learning Techniques: strategies for conservation	01/09/2021 5:45 PM to 06:00 PM
31.	181/2021/RE 31/07/2021	Socio-economic issues of environment and Sustainable Development	Prof. Tanu Jindal, Amity Institute of Environmental Toxicology Safety and Management, J1 , G-21, Amity University, Sector 125, Noida	Heavy metal and pesticides Contamination of Vegetables Grown near Yamuna River and Toxicological Assessment	02/09/2021 10:00 AM to 10:15 AM

32.	143/2021/RE 01/08/2021	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Dr. Anupam Agarwal, Sharda University, Plot No. 32, 34-Knowledge Park-III, Greater Noida,	Pollutant sensing and removal from water by functionalized nanomaterials	02/09/2021 10:15 AM to 10:30 AM
33.	180/2021/RE 05/08/2021	Conservation and Management of Landscapes and Ecologically sensitive areas including issues of sustainable livelihoods	Dr. Krishnakumar, Rathinam Technical Campus, Pollachi Main Road, Each	Slope stability analysis and prediction modeling for Landslides through geotechnical study in Landslide zone (Coonoor region) of The Nilgiris district using GIS and Remote Sensing techniques	02/09/2021 10:30 AM to 10:45 AM
34.	169/2021/RE 06/08/2021	Socio-economic issues of environment and Sustainable Development	Mrs. ArchanaAbhayYeole, The Deccan Sugar Technologists Association (India),	Development of an autothermalpyrolyser to obtain biochar in high yields from bagasse and rice straw with a view to control air pollution (in NCR Area, New Delhi etc) and make it useful for sustainable farming.	02/09/2021 10:45 AM to 11:00 AM
35.	97/2021/RE 09/08/2021	Socio-economic issues of environment and Sustainable Development	Dr. Albert Thomas, Indian Institute of Technology Bombay, Main Gate Rd, IIT Area, Powai, Mumbai,	Development of a simulation driven sustainability assessment system for the buildings sector	02/09/2021 11:00 AM to 11:15AM
36.	329/2020/RE & 25/11/2020	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Dr. Sreekanth G B, ICAR Central Coastal Agricultural Research Institute	Evaluation of the Ecosystem services of major estuaries of Goa in supporting the livelihood of traditional communities Duration:3 Years	02/09/2021 11:15 AM to 11:30 AM
37.	261/2020/RE	Pollution Prevention - Clean Technologies and Processes, Cleaner	Dr. P Partheeban, Anna	Development of Sustainable Construction Materials using Waste Tyre Rubber in Fly	02/09/2021

	& 21/12/2020	Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	University, Guindy, Chennai	ash based Geopolymer Concrete and Strength Prediction using Machine Learning Duration: 3 Years	11:30 AM to 11:45 AM
38.	356/2020/RE & 29/12/2020	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Dr. Shantabala Devi Gurumayum, Zoological Survey Of India, PraniVigyanBhawan, M-Block, New Alipore Kolkata	An attempt to domesticate and breed some selected indigenous hill stream fishes in captivity to decrease fishing pressure in the natural water bodies of Arunachal Pradesh as a conservation effort for hill stream fishes Duration: 3 Years	02/09/2021 11:45 AM to 12:00PM
39.	16/2021/RE & 07/01/2021	Use of remote sensing technology for inventorisation, assessment and monitoring of country"s natural resources such as land, water, forests, wetlands, glaciers etc. and for environmental conservation and protection on areas given above	Dr. MOHIT, Punjab Remote Sensing Centre, Punjab Agricultural University Campus, Kitchlu Nag	Climate Change and Surface Waters Security on Wetland Ecosystems over Punjab Region Based on Remote Sensing Models and Techniques for Sustainable Management Duration: 2 Years	02/09/2021 12:00 PM to 12:15 PM
40.	20/2021/RE & 18/01/2021	Biodiversity Conservation including Issues of Alien and invasive species and Human-wildlife Interface	Dr. Suryanarayanan, Vivekanand a Institute of Tropical Mycology, Ramakrishna Mission Vidyapith, 45A, Oliver Road,	An exploration of the mangroves of the Eco-Sensitive Zone of Bhadrak wildlife division (Odisha) for their fungal endophyte diversity Duration: 3 Years	02/09/2021 12:15 PM to 12:30 PM
41.	6/2021/RE &	Ecosystems Conservation & Management (Mountain, Forest,	Dr. Fraddry D Souza, The Energy and Resources	Evaluation of the ecosystem services of protected areas of wetlands in Goa:	02/09/2021

	19/01/2021	Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Institute (TERI) Darbari	supporting the livelihood of traditional communities of the island Duration: 3 Years	12:30 PM to 12:45 PM
42.	27/2021/RE & 25/01/2021	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Dr. Arulmathi P, Anna University, Chennai	Biochar Preparation from Municipal Solid Waste by Pyrolysis and Its Application on Soil towards Plant Growth Duration: 3 Years	02/09/2021 12:45 PM to 01:00 PM
43.	23/2021/RE & 15/02/2021	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Dr. RavindraFakirraoPathre, Arts Science and Commerce College Jalnabeed road	Biodiversity and molecular taxonomy of Lepidoptera butterflies and moths from GautalaAutramgarh wildlife sanctuary Aurangabad Maharashtra Duration: 3 Years	02/09/2021 01:00 PM to 01:15 PM
44.	50/2021/RE & 20/02/2021	Socio-economic issues of environment and Sustainable Development	Mrs. Bharathi S, SethuInsistute of Technology PullorKariapatti	Creation of road accidents (high severity) social cost model for madurai city Duration: 3 Years	02/09/2021 01:15 PM to 01:30PM
45.	70/2021/RE & 09/03/2021	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Prof. A.GeethaBhavani, Noida International University, Plot 1, Yamuna Exp	Converting waste cooking oil to Biodiesel Using Green Catalyst and Catalyst Regeneration Studies Duration: 3 Years	02/09/2021 02:00PM to 02:15PM

46.	114/2021/RE & 08/04/2021	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Dr. Navdeep Singh, Dr B R Ambedkar National Institute of Technology, Jalandhar	Development of Green and Economic Concretes using Coal and Construction Industry Wastes: Assessing and Optimizing the Environmental Interests Duration: 2 Years	02/09/2021 02:15PM to 02:30PM
47.	123/2021/RE & 27/04/2021	Use of remote sensing technology for inventorisation, assessment and monitoring of country"s natural resources such as land, water, forests, wetlands, glaciers etc. and for environmental conservation and protection on areas given above	Dr. Ravinder Agarwal, Thapar Institute of Engineering Technology, Patiala	Development of Drone force surveillance system for forest conservation Duration: 3 Years	02/09/2021 02:30 PM to 02:45 PM
48.	62/2021/RE & 23/05/2021	Socio-economic issues of environment and Sustainable Development	Prof. AkhileshwariNath, S.S Hospital and Research institute, Kankarbagh, nearmalahipakri ,Patna	Application of arsenic and chromium tolerant bacteria isolated from Gangetic plains of Bihar for environment cleaning and testing its bioremediation potential for welfare of human health Duration: 3 Years	02/09/2021 02:45 PM to 03:00 PM

2. List of online projects for re-consideration in the 19th meeting of TFAC: 36 cases

Sr.No.	Registration Number & Date of received	Thematic Area	Name of PI and Address	Title of Project	Project considered in previous meeting	Date and Time
1.	147/2018/RE & 10/04/2019	Socio-economic issues of environment and Sustainable Development	PiyushMalaviya, University of Jammu, Baba SahebAmbedkar Road, Jam	Assessment of quality of life, ecological footprints and environmental vulnerability of selected slums of Jammu city (J&K) India	The case not placed before TFAC	02/09/2021 03:00PM to 03:15 PM
2.	393/2018/RE & 21/02/2020	Socio-economic issues of environment and Sustainable Development	Dr.V.Arumugaprabu	Fabrication, Vibration and Wear studies on Cotton waste and Flyash based Green Composite	5 th TFAC held on 03/07/2019	02/09/2021 03:15 PM to 03:30PM
3.	1/2020/RE & 27/08/2020	Sustainable Management Of Natural Resources	Prof.VidyadharGedam National Institute Of Industrial Engineering Mumbai Gedamvidyadhar@Gmail.Com 7875028207	Identification Of Drivers, Barriers, And Study Of Innovative Circular Economy (CE) Business Models - A Case Of Construction Industry	13 th TFAC held on 16/07/2020	02/09/2021 03:30 PM to 03:45PM
4.	41/2020/RE & 28/08/2020	Socio-Economic Issues Of Environment And Sustainable Development	Dr.Muthukannan, Department Of Civil Engineering Kalasalingam Academy Of Research And Education Civilkannan@Gmail.Com 9965035070	Utilization Of Incinerated Bio-Medical Waste Ash And Industrial Waste As A Green Concrete In Heavy Traffic And Self-Healing Paver Block	12 th TFAC held on 15/07/2020	02/09/2021 03:45 PM to 04:00PM

5.	105/2020/RE & 29/08/2020	Biodiversity Conservation Including Issues Of Alien And Invasive Species And Human-Wildlife Interface	Dr. A. HepzibahChristinal Karunya Institute Of Technology And Sciences, Deemed To Be University 9443577842 Hepzibah@Karunya.Edu	A Non-Intrusive Surveillance And Early Warning System To Manage Elephant Intrusion Using Study Of Seismic And Infrasonic Vocalization	12 th TFAC held on 15/07/2020	02/09/2021 04:00 PM to 04:15PM
6.	458/2018/RE & 29/08/2020	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, Etc) And Evaluation Of Ecosystem Services	Prof.Dr.G.Renuga, Sri AdiChunchanagiriWomens College Renugabiog@Gmail.Com 9443795813	Phytosociological Survey On Economically Important Plants In A Dry Deciduous Forest Meghamalai Hills, Western Ghats, Tamil Nadu	14 th TFAC held on 30/07/2020	02/09/2021 04:15 PM to 04:30PM
7.	59/2020/RE & 31/08/2020	Pollution Prevention - Clean Technologies And Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation And Management, Etc	Prof.Papita Das, Jadavpur University, Kolkata Papita.Das@Jadavpuruniversity. In 9903739855	Recycling Of Plastic And Micro-Plastic Waste For Preparation Of Value Added Product And Its Various Application In Energy, Environment	13 th TFAC held on 16/07/2020	02/09/2021 04:30 PM to 04:45 PM
8.	498/2018/RE & 02/09/2020	Climate Change: Vulnerability & Risk Assessment, Process, Mitigation And Adaptation	Dr.Bhaskar Sinha, Indian Institute Of Forest Management, Bhopal Bsinha@Iifm.Ac.In 9406534297	Understanding The Relationship Between Forest And Water In The Context Of Changing Climate Variables Of Narmada Catchment	14 th TFAC held on 30/07/2020	02/09/2021 04:45PM to 05:00PM

9.	46/2020/RE & 07/09/2020	Sustainable Management Of Natural Resources	Mr. Rajesh Malik, REVA University, Rukmini Knowledge Park, Kattigena Rajeshmalik@Reva.Edu.In 9845307887	Documentation Of Overall Energy Savings Through Life Cycle Energy Analysis For A Diverse Range Of Building Materials, Technologies And Building Typologies Specifically In Respect Of The Indian Housing Sector	13 th TFAC held on 16/07/2020	02/09/2021 05:00PM to 05:15PM
10.	99/2018/RE & 27/09/2020	Sustainable Management Of Natural Resources	Dr Radha RK, Jawaharlal Nehru Tropical Botanic Garden & Research Institute Radhapkumar@Rediffmail.Com 9495121079	Habitat Distribution Modelling And Reinforcement Of Two Threatened Trees In The Kerala Region Of The Western Ghats For The Improvement Of Their Conservation Status	14 th TFAC held on 30/07/2020	02/09/2021 05:15PM to 05:30PM
11.	493/2018/RE & 20/10/2020	Pollution Prevention - Clean Technologies And Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation And Management, Etc	Dr. Deepak Jain, Thapar Institute Of Engineering And Technology, Patiala (Pb.)	Utilization Of Agro-Wastes For The Development Of Value- Added Composite Materials And Reducing Crop-Residue Burning In Patiala District Of Punjab	13 th TFAC held on 16/07/2020	02/09/2021 05:30 PM to 05:45 PM
12.	148/2020/RE & 22/10/2020	Climate Change: Vulnerability & Risk Assessment, Process, Mitigation and Adaptation	Dr.Bhanu Pandey, CSIR -Central Institute Of Mining And Fuel Research	Mitigation Measures For Air Pollutants And Heat Islands By Urban Forest Management - Quantification Of The Present Scenario And Extrapolation Of Future Prospects	14 th TFAC held on 30/07/2020	02/09/2021 5:45 PM to 06:00 PM

13.	185/2020/RE & 28/10/2020	Climate Change: Vulnerability & Risk Assessment, Process, Mitigation And Adaptation	Dr.E.N.Ganesh, Vistas, Pallavaram Chennai Tamilnadu Dean.Se@Velsuniv.Ac.In 9940283259	Rain Forest Monitoring For Study Of Climate Change Using Wireless Mote In Nilgiri Forests Of Tamilnadu	15 th TFAC held on 31/07/2020	03/09/2021 10:00 AM to 10:15 AM
14.	487/2018/RE & 31/12/2020	Biodiversity Conservation Including Issues Of Alien And Invasive Species And Human-Wildlife Interface	Prof.N.Irabanta Singh, Manipur University Irabanta.Singh@Gmail.Com 9436280447	Mass Awareness Programmes Cum Large Scale Demonstration On Management Of Parthenium In North East India Including Its Survey In Selected National Parks And Sanctuaries Through An Integrated Approach	15 th TFAC held on 31/07/2020	03/09/2021 10:15 AM to 10:30 AM
15.	181/2020/RE & 12/01/2021	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Dr. G. Venkatesan, Professor Department of Civil Engineering University College of Engineering (BIT campus), Anna University, Tiruchirssappalli-620024, Tamil Nadu, India.	"Conservation of Heritage and Sustainable Development Strategy for the Srirangam Temple - A Pilot Study"	18 th TFAC held on 19/11/2020& 20/11/2020	03/09/2021 10:30 AM to 10:45 AM
16.	335/2020/RE & 13/01/2021	Sustainable Management of Natural Resources	Dr. Ashish Kumar, ICAR-National Institute for Plant Biotechnology, New Delhi	Development of genetic and genomic resources for wild Brassica species for their natural conservation and promote research towards dissecting their climate-resilient traits	18 th TFAC held on 19/11/2020& 20/11/2020	03/09/2021 10:45 AM to 11:00 AM
17.	278/2020/RE &	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource	Dr.Neeraj Gupta, Central University of Himachal Pradesh, Camp Office Dharamshala (HP)	Nanocarbon based materials for the detection and removal of Hg and Pb ions from	18 th TFAC held on 19/11/2020&	03/09/2021 11:00 AM to

	14/01/2021	Efficiency, Waste Minimisation and Management, etc	176215	industrial areas in Himachal Pradesh and their application for developing a practical device for water cleaning	20/11/2020	11:15AM
18.	230/2020/RE & 18/01/2021	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Dr.M.TilakEmailmtilakiard@gmail.com Mob9245246046	Delving Microbial Diversity in The Nilgiris Shola Forest to Augument microbial consortia for efficacious regeneration of Shola tree species	18 th TFAC held on 19/11/2020& 20/11/2020	03/09/2021 11:15 AM to 11:30 AM
19.	271/2020/RE & 18/01/2021	Socio-economic issues of environment and Sustainable Development	Prof.KarteekaPavanKanadam, R. V. R. & J. C. College of Engineering	An Intelligent Ecological Conservation System - A Prototype for Monitoring, Controlling and Forecasting Air Pollution	18 th TFAC held on 19/11/2020& 20/11/2020	03/09/2021 11:30 AM to 11:45 AM
20.	155/2020/RE. & 25/01/2021	Socio-economic issues of environment and Sustainable Development	Prof. S.A. Kazi, Professor& Chairperson Department Of Social Work, PMEB Office Near Registrar Office Karnataka State AkkamahadeviWomens University Torvi Road Vijayapura, 586105	“Integrating The Community With AsPIrational District Initiative For Mitigating Of Adverse Impacts Of Climate Change: A PIlot Study In Yadgir District Of Karnataka”	18 th TFAC held on 19/11/2020& 20/11/2020	03/09/2021 11:45 AM to 12:00PM
21.	137/2020/RE &	Sustainable Management of Natural Resources	Dr. Lenin Babu, ADRTC, ISEC, Nagarbhavi, Bengaluru, 560072	“Tackling Desertification - Enabling Effected Farming Community By An Amalgam Of	18 th TFAC held on 19/11/2020&	03/09/2021 12:00 PM to

	30/01/2021			Space Based Technologies And Soil Health Card"	20/11/2020	12:15 PM
22.	167/2020/RE & 01/02/2021	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Dr. Sarah Jaison, Assistant Professor Department Of Botany PSGR Krishnammal College For Women Coimbatore 641004	Production Of Biobutanol From Fruit Waste"	18 th TFAC held on 19/11/2020& 20/11/2020	03/09/2021 12:15 PM to 12:30 PM
23.	299/2020/RE & 04/02/2021	Socio-economic issues of environment and Sustainable Development	Dr.Aneena ER, Assistant Professor, Department Of Community Science College Of Horticulture, KAU P.O, 680656	"Nutri Smart Living" - Enhancing Nutritional Security And Livelihood Of Tribal Women Using Indigenous Foods Resources"	18 th TFAC held on 19/11/2020& 20/11/2020	03/09/2021 12:30 PM to 12:45 PM
24.	178/2020/RE & 05/02/2021	Socio-economic issues of environment and Sustainable Development	Dr.P. Vincent Senior Professor, Department Of Civil Engineering, MepcoSchlenk Engineering College (Autonomous), Sivakasi 626005	"Environmental Impact Assessment Of ProsoPisJuliflora On Environmental Degradation And Development Of Appropriate Remedial Measures In A Drought Prone Rural Area Of Tamil Nadu"	18 th TFAC held on 19/11/2020& 20/11/2020	03/09/2021 12:45 PM to 01:00 PM
25.	232/2020/RE & 08/02/2021	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem	Dr. G. Thiribhuvanamala, Associate Professor (Plant Pathology), Department Of Plant Pathology, Tamil Nadu Agricultural University, Coimbatore 641003	"Exploration And Conservation Of Edible And Medicinal Mushroom Diversity And Documentation Of Ethno Mycological Knowledge From	18 th TFAC held on 19/11/2020& 20/11/2020	03/09/2021 01:00 PM to 01:15 PM

		Services		Forests Of Coimbatore District Of Western Ghats For Restoration Of Nutritional Security Through Recycling Of Agro Forest Wastes.”		
26.	184/2020/RE & 10/02/2021	Socioeconomic issues of environment and Sustainable Development	Mrs. N.ChellaKavitha Email chellakavitha@me pcoeng.ac.in Mob9791445593	Development of potential low-cost wood substitute panels using Industrial waste for forest conservation and environmental protection	18 th TFAC held on 19/11/2020& 20/11/2020	03/09/2021 01:15 PM to 01:30PM
27.	238/2020/RE & 11/02/2021	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Dr. P. Rajendran, Associate Professor (Forestry), Forest College And Research Institute, Tamil Nadu Agricultural University, Mettupalayam 641301	“Studies On Biodiversity And Management Of Plantation Crop Combination Agroforestry System And Adjoining Natural Forests In Nilgiris, Western Ghats, Tamil Nadu”	18 th TFAC held on 19/11/2020& 20/11/2020	03/09/2021 02:00PM to 02:15PM
28.	150/2020/RE & 16/02/2021	Sustainable Management of Natural Resources	Dr HemaDiwan, National Institute of Industrial Engineering Mumbai	Identification & Assessment of pesticide contaminated sites in Maharashtra: Soil Health Monitoring, Stakeholder analysis & Modelling	18 th TFAC held on 19/11/2020& 20/11/2020	03/09/2021 02:15PM to 02:30PM
29.	109/2020/RE & 17/02/2021	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem	Dr. Jose Mathew, Sanatana Dharma College, Kalarkode, Sanatanapuram	Studies on Ecology, phytosociology, reproductive biology and Conservation action for threatened ten iconic endemic trees in south	18 th TFAC held on 19/11/2020& 20/11/2020	03/09/2021 02:30 PM to 02:45 PM

		Services		Western Ghats, Kerala		
30.	114/2020/RE & 24/02/2021	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Dr.ShabiThankarajSalammal, Scientist, CSIR-Advanced Materials And Processes Research Institute (CSIR AMPRI), Hoshangabad Road, 462026	"Investigating The Gamma Ray Shielding Characteristics Of Red Mud Originate From Various Locations Of India"	18 th TFAC held on 19/11/2020& 20/11/2020	03/09/2021 02:45 PM to 03:00 PM
31.	106/2020/RE. & 26/02/2021	Climate Change: Vulnerability & Risk Assessment, Process, Mitigation and Adaptation	Dr. N. EZHILARASI, Government Arts College, Coimbatore	Status, ecology and conservation threats on rails (Rallidae) with special reference to climate change in selected wetlands of Tamil Nadu.	18 th TFAC held on 19/11/2020& 20/11/2020	03/09/2021 03:00PM to 03:15 PM
32.	123/2020/RE & 27/01/2021	Climate Change: Vulnerability & Risk Assessment, Process, Mitigation and Adaptation	Dr. S.Muthuvel, Assistant Professor Department Of Mechanical Engineering, Kalasalingam Academy Of Research And Education, Anand Nagar, Krishnankoil, Tamil Nadu, India, 626126	"Some Studies On Usage Of Phase Change Material On Thermal Comfort Of Buildings"	18 th TFAC held on 19/11/2020& 20/11/2020	03/09/2021 03:15 PM to 03:30PM
33.	228/2018/RE & 01/03/2021	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	K Jayasankar, CSIR-National Institute for Interdisciplinary Science and Technology	An innovative eco-friendly recycling process for recovery of precious metals and other rare metals from e-waste.	3 rd TFAC held on 17/05/2019	03/09/2021 03:30 PM to 03:45PM

34.	201/2020/RE & 17/03/2021	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Dr. Jagannath Roy, Associate Professor, Satya Apartment Flat 5E 30 By 5, Jessore Road, South Dakshinpara Barasat, North 24 Paraganas, Kolkata 700124 West Bengal	"Green Production Of Nano-Concrete From Aluminosilicate Geopolymer Derived From Fly Ash And Construction & Demolition Waste Composites: Experimental Studies, Modeling Through Machine Learning And In-Situ Applications"	18 th TFAC held on 19/11/2020 & 20/11/2020	03/09/2021 03:45 PM to 04:00PM
35.	144/2020/RE & 25/03/2021	Climate Change: Vulnerability & Risk Assessment, Process, Mitigation and Adaptation	Dr. Bhadradi Raghuram Kadali, National Institute of Technology Warangal	A novel framework for pedestrian health index based on pedestrian exposure to traffic emissions	18 th TFAC held on 19/11/2020 & 20/11/2020	03/09/2021 04:00 PM to 04:15PM
36.	229/2020/RE & 04/06/2021	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Dr. Rajesh Kumar, Lala Lajpat Rai University of Veterinary and Animal Sciences	Development of microwave irradiated rice straw for animal feeding to combat straw burning issue and increase productivity.	18 th TFAC held on 19/11/2020 & 20/11/2020	03/09/2021 04:15 PM to 04:30PM

3. List of projects where PI has connectivity issues in 18th TFAC Meeting : 04 cases

Sr.No.	Registration Number	Thematic Area	Name of PI and Address	Title of Project	Date and Time
1.	153/2020/RE	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Dr. M. Selvamurugan, Assistant Professor Dept. Of Crop Management Agricultural College And Research Institute, Eachangkottai, Thanjavur, Tamil Nadu, INDIA 614902	"Exploration Of Avifaunal Diversity Nexus With Biotic And Abiotic Environment Of Karaivetti Bird Sanctuary, Tamil Nadu Towards DeveloPIng Of Ecological Resilience Concepts For Conservation"	03/09/2021 04:30 PM to 04:45 PM
2.	276/2020/RE	Sustainable Management of Natural Resources	Dr.Binu N. Kamalobhavan Assistant Professor, Assistant Professor, Dept. Of Forest Biology And Tree Improvement, College Of Forestry Kerala Agricultural University KAU PO 680656	"Natural Distribution, Ecological Niche Modelling, Selection Of Cpts, Its Evaluation And Nursery Production Of Sandal (SantalumAlbum Linn.)"	03/09/2021 04:45PM to 05:00PM
3.	307/2020/RE	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Dr. R Zonunsanga, Assistant Professor, T 55, Mizoram University Campus,Tanhril, Aizawl-796004	"Restoration Of The Upper Reaches Of River Teirei Under The Dampa Tiger Reserve/Sanctuary Using Biosystems Engineering"	03/09/2021 05:00PM to 05:15PM
4.	337/2020/RE	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Dr. Angayarkanni J, Associate Professor, Department Of Microbial Biotechnology, Bharathiar University, Coimbatore, 641046	"Plausible Role Of Bacteriophages Present In The High-Altitude Himalayan River Waters"	03/09/2021 05:15PM to 05:30PM

4. List of projects where PI has not attended previous VC Meeting: 02 cases

Sr.No.	Registration Number	Thematic Area	Name of PI and Address	Title of Project	Project considered in previous meeting	Date and Time
1.	73/2018/RE	Use of remote sensing technology for inventorisation, assessment and monitoring of Country's natural resources such as land, water, forests, wetlands, glaciers etc. and for environmental conservation and protection on areas given above	Prof. Dr. Asutosh Debata, Centre For Environmental Studies	Survey, Documentation Of Disaster Resistant Of Heritage Plants And Sacred Grooves For Conservation Of Coastal Shelter Belt Of Odisha	15 th TFAC held on 31/07/2020	03/09/2021 05:30 PM to 05:45 PM
2.	399/2018/RE	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Lakhminandan Kakati, Nagaland University, Hqs. Lumami, Lumami 798627,	Effect Of Soil Microarthropods On Litter Decomposition And Nutrient Mineralization In A Sub-Tropical Forest Ecosystem At Mokokchung, Nagaland, India	15 th TFAC held on 31/07/2020	03/09/2021 5:45 PM to 06:00 PM

5. List of projects where comments were sought and have been received from other Divisions and Institutes: Total 04 cases

S.No.	Registration Number	Thematic Area	Name of PI and Address	Title of Project	Status
1.	373/2018/RE	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	KarthikBalasundaram, Visvesvaraya National Institute of Technology, South Ambazari Road, Nagpur, Maharashtra 440010	Development of a sustainable hybrid bio-physical method for palm oil mill effluent (POME) treatment to achieve zero-liquid discharge from palm oil mills	This project was considered in the 5 th Meeting of TFAC was held on 03.07.2019. Comment received from CPCB on 12.10.2020
2.	236/2020/RE	Climate Change: Vulnerability & Risk Assessment, Process, Mitigation and Adaptation	Prof. MuthukumarMuthuchamy, Professor and Head, Department of Environmental Science, School of Earth Science Systems, Central University of Kerala, Tejaswini Hills, Periyar, Kasaragod, Kerala 671320	Impact of climate change on endemic, endangered, and critically endangered species - An ecological niche modeling to study the future distribution potential of selected tree species in Western Ghats."	This project was considered in the 18 th Meeting of TFAC was held on 19/11/2020 & 20/11/2020 .Comment received from Dr. Hitendra Padalia, IIRS, Dehradun and one comment awaited from IISC, Bangalore
3.	191/2020/RE	Biodiversity Conservation including Issues of Alien and invasive species and Humanwildlife Interface	Dr. Mrs. GauriChandratre, Assistant Professor, Department Of Veterinary Pathology, College Of Veterinary Sciences, LalaLajpat Rai University Of	"Necropsy Based Investigation On Prevalence Of Tick Borne Hemoparasitic And Gastrointestinal Parasitic Infections And Development Of Molecular Diagnostic Test For Their Detection In Free Ranged Wild	This project was considered in the 18 th Meeting of TFAC was held on 19/11/2020 & 20/11/2020 .

			Veterinary And Animal Sciences Hisar Haryana 125004	Ungulates (Ruminants) In Haryana Region”	Comment received from Wildlife Institute of India.
4.	281/2020/RE	Biodiversity Conservation including Issues of Alien and invasive species and Human wildlife Interface	Dr. Nidhi Rajput, Assistant Professor, School Of Wildlife Forensic And Health, NDVSU, South Civil Lines, Jabalpur, Madhya Pradesh, India, 482001	“Assessment Of Disease Prevalence And Its Impact On Wild Carnivore Health In Madhya Pradesh”	This project was considered in the 18 th Meeting of TFAC was held on 19/11/2020 & 20/11/2020 .Comment received from Dr. Parag Nigam, WII and one comment awaited from IGF (WL) MoEFCC

6. List of projects for internal discussion for consideration in the 19th Meeting of TFAC : 02 Cases

Sr.No.	Registration Number	Thematic Area	Name of PI and Address	Title of Project	Status
1.	19-7/2018/RE	Conservation and Management of Landscapes and Ecologically sensitive areas including issues of sustainable livelihoods	Dr. Gautam Talukdar, Wildlife Institute of India, Chandrabani, Dehradun	“Ecology and Recovery of critically endangered Vulture species in Pong Dam Protected Area (PA) and its Eco Sensitive Zone (ESZ) in Himachal Pradesh”	For Internal Discussion (Approved Project) to be placed for monitoring progress of the 1 st year of the project before release of 2 nd instalment.

2.	404/2018/RE	Socio-economic issues of environment and Sustainable Development	Dr. V Suresh Babu, National Institute Of Rural Development And Panchayati Raj, Ministry Of Rural Development, Government Of India, Rajendranagar, Hyderabad.	"Impact Of Gold Mine Tailings On Agriculture, Environment And Household Health In Kolar District"	The Committee was also of the view that a sub-committee consisting of MS, TFAC and two members of TFAC Shri VP Yadav and Shri G Rambabu along with representatives of KSPCB may visit the project site to examine the various aspects of the proposed study and submit a report to the TFAC for further consideration of the project.
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7. List of old R&D projects for Final Technical Report (FTR) presentations: 3 Cases

Sr. No.	File Number	Thematic Area	Name of PI and Address	Title of Project
1.	19-339/2013-RE	Waste Minimisation	Dr. Manish Mudgal, CSIR- AMPRI, Bhopal	"Bulk Utilisation of Red Mud for Making Advanced Ligno-Silico Aluminous (LSA) Geopolymeric Materials"
2.	19-56/2013-RE	Air pollution	Dr. Chirashree Ghosh, Department of Environmental Studies, University of Delhi.	"Impact of Environmental Bioaerosol Pollution on Human Health: A "case-control Study" for Exacerbation of COPD in North Indian Population"
3.	14/246/2015-RE	Wildlife Conservation	Dr. Jamal A Khan Professor & Chairman, Department of Wildlife Sciences, Aligarh Muslim University, Aligarh - 202002	Monitoring structure, functioning and ecosystem services of dry tropical forest ecosystem of Gir for conservation and management of ecosystem, prey populations and predators

8. List of old R&D projects for extension of tenure of the project: 01 Cases

Sr. No.	File Number	Name of PI and Address	Title of Project
1)	19-112/2010-RE	Dr. P. Shanmugam Scientist EII, CLRI, Adyar, Chennai	Sequential Production of Bio-diesel, Ethanol, Hydrogen and Methane as a "Biorefinary" Concept using Leather Solid Wastes and Effluent Treatment Sludges"

9. List of projects where comments have not been received yet from other Divisions and Institutes: Total 04 cases

S.No	Registration No	Thematic area	Name And Address Of The PI	Title Of The Project
1.	211/2020/RE	Biodiversity Conservation including Issues of Alien and invasive species and Human-wildlife Interface	Dr. S Maria Packiam, Research Guide & Assistant Professor, Environmental Sustainability Research Unit ,Loyola College, Chennai - 600034Tamil Nadu State India	Systematics, Diversity And Conservation Of Cockroaches (Insecta: Blattodea) In Western Ghats Of Tamil Nadu, India"
2.	270/2020/RE	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Dr. P.M. Ayyasamy, Assistant Professor Department Of Microbiology, Periyar University, PeriyarPalkalai Nagar, Salem, Tamil Nadu, 636011	"Technology Development And Bioreactor Designing For Exploitation Of Sago Mill Wastes In Connection With Biofuel And Biomanure Production"
3.	277/2020/RE	Biodiversity Conservation including Issues of Alien and invasive species and Human-wildlife Interface	Mr. Shaji M, Assistant Professor, Dept. Of Wildlife Sciences, College Of Forestry, KAU P.O., Thrissur, 680656	"Habitat Analysis And Studies On Human-Wildlife Interactions And Its Impact On The People In A Fragmented Landscape Of Attappady Block In Nilgiri Biosphere Reserve"
4.	334/2020/RE	Biodiversity Conservation including Issues of Alien and invasive species and Human-wildlife Interface	Dr. S K Gupta, Scientist-E, Wildlife Institute Of India, Chandrabani, Dehradun - 248001	"Genetic Assessment Of The Musk Deer Populations In Western Himalaya"

