

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

AGENDA for 18<sup>th</sup> Meeting of the Technical & Financial Appraisal Committee (TFAC) on R&D Scheme for Conservation & Development being held on 19.11.2020 & 20.11.2020 through video conferencing

Time: 11:00 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:

SR.No.	Registration Number	Thematic Area	Name of PI and Address	Title of Project	Date and Time
1.	106/2020/RE	Climate Change: Vulnerability & Risk Assessment, Process, Mitigation and Adaptation	Dr. N. Ezhilarasi Email- ezhilcbe@gmail.com Mob- 9600434445	Status, ecology and conservation threats on rails (Rallidae) with special reference to climate change in selected wetlands of Tamil Nadu.	19/11/2020 11:00-11:10
2.	77/2020/RE	Use of remote sensing technology for inventorisation, assessment and monitoring of countrys natural resources such as land, water, forests, wetlands, glaciers etc. and for environmental conservation and protection on areas given above	Dr. Krishnan Vasanth Email- vasanthlabbu@gmail.com Mob- 8056335369	The Endangered Medicinal Plants Paradigm Shift: An Assessment of Conservation and Therapeutic Knowledge through Machine and Deep Learning	19/11/2020 11:10-11:20
3.	123/2020/RE	Climate Change: Vulnerability & Risk Assessment, Process, Mitigation and Adaptation	Dr. S.Muthuvel Email- s.muthuvel@klu.ac.in Mob- 9500269263	Some studies on usage of Phase Change Material on Thermal Comfort of buildings	19/11/2020 11:20-11:30
4.	131/2020/RE	Climate Change: Vulnerability & Risk Assessment, Process, Mitigation and Adaptation	Dr. Deepa Gavali Email- deepagavali@yahoo.com Mob- 9724859988	Assessing the variability, trend and seasonality of climatic variables along the eight agro-climatic zones of Gujarat	19/11/2020 11:30-11:40
5.	109/2020/RE	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Dr. Jose Mathew Email- polachirayan@gmail.com Mob- 9744702847	Studies on Ecology, phytosociology, reproductive biology and Conservation action for threatened ten iconic endemic trees in south Western Ghats, Kerala	19/11/2020 11:40-11:50
6.	150/2020/RE	Sustainable Management of Natural	Dr. Dr Hema Diwan Email- diwanhema@	Identification & Assessment of pesticide contaminated	19/11/2020 11:50-12:00

		Resources	nitie.ac.in Mob- 9619905226	sites in Maharashtra: Soil Health Monitoring, Stakeholder analysis & Modelling	
<b>7.</b>	155/2020/RE	Socio-economic issues of environment and Sustainable Development	Prof. S.A.Kazi Email- sakazi@rediffmail.c om Mob- 9448405526	Integrating the Community with Aspirational District Initiative for mitigating of adverse impacts of climate change: A Pilot Study in Yadgir District of Karnataka	19/11/2020 12:00- 12:10
<b>8.</b>	153/2020/RE	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Dr. M.Selvamurugan Email- selvamurugan.m@t nau.ac.in Mob- 9597076491	Exploration of avifaunal diversity nexus with biotic and abiotic environment of Karaivetti Bird Sanctuary, Tamil Nadu towards developing of ecological resilience for Conservation	19/11/2020 12:10- 12:20
<b>9.</b>	178/2020/RE	Socio-economic issues of environment and Sustainable Development	Dr. P.Vincent Venkatesan Email- vincentgetit@yahoo .co.in Mob- 9443110487	Environmental impact Assessment of Prosopis Juliflora on environmental degradation and development of appropriate remedial measures in a drought prone rural area of Tamilnadu	19/11/2020 12:20-12:30
<b>10.</b>	114/2020/RE	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Dr. Shabi Thankaraj Salammal Email- tsshabi@ampri.res. in Mob- 8754743511	Investigating the Gamma Ray Shielding Characteristics of Red Mud Originate from Various Locations of India	19/11/2020 12:30-12:40
<b>11.</b>	181/2020/RE	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Dr.G.Venkatesan Email- gvenkat1972@gmail l.com Mob- 9486814120	Conservation Of Heritage And Sustainable Development Strategy For The Srirangam Temple – A Pilot Study	19/11/2020 12:40- 12:50
<b>12.</b>	174/2020/RE	Use of remote sensing technology for inventorisation, assessment and monitoring of countrys natural resources such as land, water, forests, wetlands, glaciers etc. and for environmental conservation and protection on areas given above	Dr. H K Ramaraju Email- hkramaraju@gmail. com Mob- 9845625608	Investigation & Monitoring Of Desertification In Chitradurga District Of Karnataka State	19/11/2020 12:50-01:00
<b>13.</b>	137/2020/RE	Sustainable Management of Natural Resources	Dr. Lenin Babu Email- lenin@isec.ac.in Mob 0934300743	Tackling Desertification – Enabling effected Farming Community by an amalgam of Space based technologies and Soil	19/11/2020 01:00- 01:10

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<b>14.</b>	159/2020/RE	Sustainable Management of Natural Resources	Dr. M. Kanchana Email- mkanchana@psgrk cw.ac.in Mob- 7373752323	Ex-Situ Conservation of Western Ghats' Flora: Seed Banking can be the Last Hope for Lost Species	19/11/2020 01:10- 01:20
<b>15.</b>	167/2020/RE	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Dr. Sarah Jaison Email- sarah@psgrkcw.ac.i n Mob-9600984696	Production of Biobutanol from Fruit Waste	19/11/2020 1:20-1:30
<b>16.</b>	187/2020/RE	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Dr. Vilas Jadhav Email- vilasagri@gmail.co m Mob- 9900489070	Assessment of Economic Valuation of Ecosystem Services for Conservation and Management of Biodiversity in Karnataka State Forest	19/11/2020 02:00-02:10
<b>17.</b>	56/2020/RE	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Dr. Richa Salwan Email- richaihbt332@gmai l.com Mob- 9857171619	Biodegradation of Pharmaceutical Effluents in Industrial Areas of Himachal Pradesh: A Sustainable Approach for Environment- Clean Up	19/11/2020 02:10-02:20
<b>18.</b>	210/2020/RE	Biodiversity Conservation including Issues of Alien and invasive species and Human-wildlife Interface	Atul Keshao Bodkhe Email- atuleco@gmail.com Mob-9860432858	"Ecological Evaluation of Spider (Arachnida: Araneae) Community from Lonar Crater Sanctuary, India: Building a Conceptual Restoration Model"	19/11/2020 02:20-02:30
<b>19.</b>	208/2020/RE	Climate Change: Vulnerability & Risk Assessment, Process, Mitigation and Adaptation	Dr. Vartika Mathur Email- vmathur@svc.ac.in Mob-9810386575	Microbial communities in changing climatic regime: Analysis of primary and secondary risk factors	19/11/2020 02:30- 02:40
<b>20.</b>	190/2020/RE	Biodiversity Conservation including Issues of Alien and invasive species and Human-wildlife Interface	Prof. Nafees A Khan Email- naf9.amu@amu.ac. in Mob- 9411488881	Development of biodiversity park at Aligarh Muslim University, Aligarh	19/11/2020 02:40- 02:50
<b>21.</b>	184/2020/RE	Socio-economic issues of environment and Sustainable Development	Mrs. N.Chella Kavitha Email- chellakavitha@me pcoeng.ac.in Mob- 9791445593	Development of potential low-cost wood substitute panels using Industrial waste for forest conservation and environmental protection	19/11/2020 02:50- 03:00
<b>22.</b>	221/2020/RE	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Dr. R.Anuradha Email- anuradhastalin@g mail.com Mob- 9843263653	Development of carbonless ECO cementitious Structural elements via synergistic Utilization of sustainable industrial waste and Nano	19/11/2020 03:00-03:10

				material	
<b>23.</b>	211/2020/RE	Biodiversity Conservation including Issues of Alien and invasive species and Human-wildlife Interface	Dr. S Maria Packiam Email- bioevent@loyolacollege.edu Mob- 9445803415	Systematics, Diversity And Conservation Of Cockroaches (Insecta: Blattodea) In Western Ghats Of Tamil Nadu, India	19/11/2020 03:10-03:20
<b>24.</b>	229/2020/RE	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Dr. Rajesh Kumar Email- drrajesh7.vet@gmail.com Mob- 7025980393	Development of microwave irradiated rice straw for animal feeding to combat straw burning issue and increase productivity.	19/11/2020 03:20-03:30
<b>25.</b>	230/2020/RE	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Dr. M.Tilak Email- mtilakiard@gmail.com Mob- 9245246046	Delving Microbial Diversity in The Nilgiris Shola Forest to Augment microbial consortia for efficacious regeneration of Shola tree species	19/11/2020 03:30 - 03:40
<b>26.</b>	169/2020/RE	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Dr. K. Srikanth Email- koigooras@gmail.com Mob- 9676049366	The Fate of Emerging Agricultural Contaminants on the Cytogenetics of Food Crops, Fish and Humans of Andhra Pradesh	19/11/2020 03:40-03:50
<b>27.</b>	204/2020/RE	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Dr. p.s.vijayakumar Email- vijayakumarshanmugham@gmail.com Mob-7696556163	Study to increase biofertilizer production by 20% using waste water for dual benefits: soil fertility and water treatment	19/11/2020 03:50-04:00
<b>28.</b>	232/2020/RE	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Dr. Dr.G.Thiribhuvana mala Email- ragumala2000@gmail.com Mob- 9629496555	Exploration and Conservation of edible and medicinal mushroom diversity and documentation of ethnomycological knowledge from forests of Coimbatore district of Western Ghats for restoration of nutritional security through recycling of agro forest wastes.	19/11/2020 04:00-04:10
<b>29.</b>	186/2020/RE	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Mrs. A.Kavitha Email- kavithaa@citchennai.net Mob- 7358570812	Removal of oil spill-out waste materials from heavy industrial area by electrocoagulation process and speedy recovery in sriperumbudur in Kanchipuram district, Tamil Nadu	19/11/2020 04:10-04:20
<b>30.</b>	240/2020/RE	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs,	Dr. Dr. Debasis De Email- debasiskrc@yahoo.com Mob-	Technology demonstration of recycling of fish-waste to value added product and	19/11/2020 04:20-04:30

		Resource Efficiency, Waste Minimisation and Management, etc	9641518973	to evaluate its potential use in aquaculture	
31.	241/2020/RE	Climate Change: Vulnerability & Risk Assessment, Process, Mitigation and Adaptation	Dr. Ashutosh Debata Email- aih.d.odisha@gmail.com Mob- 9938932671	Taxonomic Documentation of Sacred Groves and Heritage Plants for, Conservation & Climate Change Adaptation in the coastal districts of Odisha.	20/11/2020 11:00-11:10
32.	201/2020/RE	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Dr. Jagannath Roy Email- royj0707@gmail.com Mob-9875357912	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	20/11/2020 11:10-11:20
33.	191/2020/RE	Biodiversity Conservation including Issues of Alien and invasive species and Human-wildlife Interface	Dr. Dr. Mrs. Gauri Chandratre Email- chandratre.gauri@gmail.com Mob-9468366343	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 ungulates (ruminants) in Haryana region	20/11/2020 11:20-11:30
34.	245/2020/RE	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Dr. Nikhil Dhawan Email- nikhil.dhawan@mt.iitr.ac.in Mob-7417968320	Extraction of mercury and rare-earth elements from discarded fluorescent lamps	20/11/2020 11:30-11:40
35.	180/2020/RE	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Dr. T.Prabaharan Email- tpraba@mepcoeng.ac.in Mob-9442090272	Life Cycle Assessment And Life Cycle Costing Of Natural Dye Production And Dyeing From Onion Peel And Pomegranate Peel For Sustainable Textile Dyeing Process	20/11/2020 11:40-11:50
36.	270/2020/RE	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Dr. Dr.P.M. Ayyasamy Email- pmayyasamy@gmail.com Mob-9486327103	Technology Development and Bioreactor Designing for Exploitation of Sago Mill Wastes in Connection with Biofuel and Biomanure Production	20/11/2020 11:50-12:00
37.	238/2020/RE	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands,	Dr. P.Rajendran Email- rajendranforestry@gmail.com Mob-9443916343	Studies on Biodiversity and Management of Plantation Crop Combination Agroforestry System and	20/11/2020 12:00-12:10

		Pastoral, etc) and Evaluation of Ecosystem Services		adjoining Natural Forests in Nilgiris, Western Ghats, Tamil Nadu	
<b>38.</b>	281/2020/RE	Biodiversity Conservation including Issues of Alien and invasive species and Human-wildlife Interface	Dr. Nidhi Rajput Email- <a href="mailto:drnidhirajput33@gmail.com">drnidhirajput33@gmail.com</a> Mob-9753360597	Assessment of Disease Prevalence and its impact on Wild Carnivore Health in Madhya Pradesh	20/11/2020 12:10-12:20
<b>39.</b>	271/2020/RE	Socio-economic issues of environment and Sustainable Development	Prof. Karteeka Pavan Kanadam Email- <a href="mailto:karteeka@yahoo.com">karteeka@yahoo.com</a> Mob-9885139413	An Intelligent Ecological Conservation System - A Prototype for Monitoring, Controlling and Forecasting Air Pollution	20/11/2020 12:20-12:30
<b>40.</b>	236/2020/RE	Climate Change: Vulnerability & Risk Assessment, Process, Mitigation and Adaptation	Prof. Muthukumar Muthuchamy Email- <a href="mailto:mmuthukumar@cukskerala.ac.in">mmuthukumar@cukskerala.ac.in</a> Mob-8848281879	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	20/11/2020 12:30-12:40
<b>41.</b>	280/2020/RE	Socio-economic issues of environment and Sustainable Development	Prof. Satpal Singh Bisht Email- <a href="mailto:Sps.Bisht@gmail.com">Sps.Bisht@gmail.com</a> Mob-7579138434	"Biodiversity Of Honey Bees In Uttarakhand Their Bacterial Pathogenesis And Conservation Strategies To Enhance Rural Livelihood In Uttarakhand"	20/11/2020 12:40 - 12:50
<b>42.</b>	188/2020/RE	Biodiversity Conservation including Issues of Alien and invasive species and Human-wildlife Interface	Prof. Rup Narayan Email- <a href="mailto:rupnarayanccsu@gmail.com">rupnarayanccsu@gmail.com</a> Mob-9411863733	An ecological assessment of forest vegetation in Hastinapur Wild Life Sanctuary (HWLS)	20/11/2020 12:50-01:00
<b>43.</b>	276/2020/RE	Sustainable Management of Natural Resources	Dr. Dr. Binu N. Kamalolbhan Email- <a href="mailto:binu.nk@kau.in">binu.nk@kau.in</a> Mob-9447005219	Natural distribution, ecological niche modelling, selection of CPTs, its evaluation and nursery production of sandal (Santalum album Linn.)	20/11/2020 01:00-01:10
<b>44.</b>	318/2020/RE	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Prof. Satpal Singh Bisht Email- <a href="mailto:sps.bisht@kunjainital.ac.in">sps.bisht@kunjainital.ac.in</a> Mob-8171141176	"Faunistic survey of earthworms and their role in leaf litter decomposition in oak forests of Uttarakhand"	20/11/2020 01:10-01:20
<b>45.</b>	278/2020/RE	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and	Dr. Neeraj Gupta Email- <a href="mailto:gupta_nrj@hpcu.ac.in">gupta_nrj@hpcu.ac.in</a> Mob-8894211891	Nanocarbon based materials for the detection and removal of Hg and Pb ions from industrial areas in Himachal Pradesh and their application for developing a practical	20/11/2020 1:20-1:30

		Management, etc		device for water cleaning	
<b>46.</b>	321/2020/RE	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Prof. Tanu Jindal Email- tjindal@amity.edu Mob-9350736572	Impact of Opencast Limestone Mining in Water Quality and Identification of Mitigation Measures for Conservation of Mining Sites	20/11/2020 02:00-02:10
<b>47.</b>	307/2020/RE	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Dr. R Zonunsanga Email- ascassdir@gmail.com Mob- 9612169661	Restoration of the Upper Reaches of River Teirei under the Dampa Tiger Reserve/Sanctuary using Biosystems Engineering	20/11/2020 02:10-02:20
<b>48.</b>	323/2020/RE	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Prof. Varinder Singh Kanwar Email- vc@chitkarauniversity.edu.in Mob- 9805965401	Evaluation of metal mobility from soil to plants and to identify bioindicator plants for phytoremediation	20/11/2020 02:20-02:30
<b>49.</b>	299/2020/RE	Socio-economic issues of environment and Sustainable Development	Dr. Aneena ER Email- aneena.er@kau.in Mob-9495668850	Nutri smart living” - Enhancing nutritional security and livelihood of tribal women using indigenous foods resources.	20/11/2020 02:30-02:40
<b>50.</b>	144/2020/RE	Climate Change: Vulnerability & Risk Assessment, Process, Mitigation and Adaptation	Dr. Bhadradi Raghuram Kadali Email- brkadali@nitw.ac.in Mob-8879425755	A Novel Framework For Pedestrian Health Index Based On Pedestrian Exposure To Traffic Emissions	20/11/2020 02:40-02:50
<b>51.</b>	324/2020/RE	Pollution Prevention - Clean Technologies and Processes, Cleaner Production, 3Rs, Resource Efficiency, Waste Minimisation and Management, etc	Dr. SHABIIMAM MA Email- shabiimam.m@germi.res.in Mob- 9930770045	Industrial Effluent Treatment Using Polyaniline Nanocomposites	20/11/2020 02:50-03:00
<b>52.</b>	309/2020/RE	Sustainable Management of Natural Resources	Dr. Manju Elizabeth E.P. Email- manju.ep@kau.in Mob-9496313205	Estimation of phytochemicals from cultured calluses from different explants of Saraca asoca with and without use of elicitors and comparison with phytochemicals from different parts of the tree	20/11/2020 03:00-03:10
<b>53.</b>	277/2020/RE	Biodiversity Conservation including Issues of Alien and invasive species and Human-wildlife Interface	Mr. Shaji M Email- shaji.mohan@kau.in Mob-9496116596	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	20/11/2020 03:10-03:20
<b>54.</b>	333/2020/RE	Ecosystems Conservation & Management	Mr. Shijith P P Email- shijith.pp@gmail.com	Impact of mining in the laterite habitats of Kerala,	20/11/2020 03:20-03:30

		(Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	m Mob-9497287290	India	
55.	333/2020/RE	Ecosystems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Dr. Naresh Gopal Shrivastava Email- <a href="mailto:ngshri25@gmail.com">ngshri25@gmail.com</a> Mob-9837059778	Impact of mining in the laterite habitats of Kerala, India	20/11/2020 03:30 - 03:40
56.	334/2020/RE	Biodiversity Conservation including Issues of Alien and invasive species and Human-wildlife Interface	Dr. S K Gupta Email- <a href="mailto:skg@wii.gov.in">skg@wii.gov.in</a> Mob-9410992220	Genetic Assessment of the musk deer populations in Western Himalaya	20/11/2020 03:40-03:50
57.	335/2020/RE	Sustainable Management of Natural Resources	Dr. Ashish Kumar Email- <a href="mailto:ashish.pathology@gmail.com">ashish.pathology@gmail.com</a> Mob-9472112877	Development of genetic and genomic resources for wild Brassica species for their natural conservation and promote research towards dissecting their climate-resilient traits	20/11/2020 03:50-04:00
58.	337/2020/RE	Ecosvstems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Dr. Angayarkanni J Email- <a href="mailto:angaiotech@buc.edu.in">angaiotech@buc.edu.in</a> Mob- 9003790977	Plausible role of Bacteriophages present in the High Altitude Himalayan River waters	20/11/2020 04:00-04:10
59.	338/2020/RE	Ecosvstems Conservation & Management (Mountain, Forest, Coastal, Wetlands, Pastoral, etc) and Evaluation of Ecosystem Services	Mr. Ratikanta Mohanty, Ardra Consulting Services Pvt. Ltd <a href="mailto:mohantyratikanta@yahoo.com">mohantyratikanta@yahoo.com</a> 9937910105	“Carbon Sequestration in Terrestrial Ecosystem with a Matrix Development”	20/11/2020 04:10-04:20

### 3.0.0 Any other matter with permission of Chair

SR.No.	File No, Name of PI and Address	Title of Project
1.	<b>F.No.19-112/2010-RE</b> 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”
2.	<b>19-150/2014-RE</b> Dr. P. Thangavel, Department of Environmental Science, Periyar University, Salem	Phytoremedial Assessment of Metal Tolerant Flora in the Vicinity of Metal Based Industrial Clusters of Western Tamil Nadu
3.	<b>14/8/2014-RE</b> Dr. (Mrs.) Ashalata Devi, Assistant Professor, Dept. of Environment Science, Tezpur University, Napaam, Tezpur, Assam	Exploration of Biodiversity and Conservation issues of Talley Valley Wildlife Sanctuary, Arunachal Pradesh with reference to wildlife species distribution along climate and topographical gradients



