അനെർട്ട്
ANERT
Agency for New and renewable Energy Research and Technology
നവീനവും പുനരുപയോഗയോഗ്യവുമായ ഊർജ്ജ ഗവേഷണങ്ങൾക്കും സാങ്കേതിക വിദ്യകൾക്കുമുള്ള ഏജൻസി
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NOTE

30-07-2024

Sub: SRI 2023-24–Proposals selected for presentation before the Internal Screening Committee

Following 19 proposals received in response to the "Call for Proposals" issued by ANERT, have been provisionally selected for online presentation before the Internal Screening Committee (ISC) for initial screening. The selection is purey provisional and any of these proposals can get rejected at a later stage during the selection process, if found to be not meeting the guidelines of the programme.

List of proposals provisionally selected for initial screening

GROUP I

Sl. No.	Project ID	Title of the Project	Applicant Institution	Name of the PI
1	SRI 01/2023-24	Viability of Hydrogen Energy Storage System using Nano Carbon Materials through Techno Economic Analysis	Adi Shankara Institute of Engineering and Technology, Kalady, Ernakulam	Dr. Deepa Sankar
2	SRI 05/2023-24	Design and Development of Weight Optimized Hydrogen Storage Device Embedded with Metal Hydride-Polymer Composite	Sree Chithira Thirunal College of Engineering, Pappanamcode, Thiruvananthapuram	Dr. Mohan G
3	SRI 12/2023-24	Fuelling Sustainability: Unlocking Hydrogen Potential in Food Waste with Anaerobic Digestion	College of Engineering Muttathara, Thiruvananthapuram	Dr. Dileeplal J
4	SRI 14/2023-24	Development and Optimisation of Technologies for Enhanced and Sustainable in-situ Biodiesel Production from Oleaginous Microbes	School of Biosciences, MG University, Kottayam	Dr. Radhakrishnan E K
5	SRI 20/2023-24	Exploring the Energy Recovery Potential of the Sewage sludge generated at 107 MLD Sewage Treatment Plant in Tropical Climate	National Institute of Technology Calicut, Kozhikode	Dr. Arun P
6	SRI 16/2023-24	Tuning the magnetic anisotropy of Fe3Sn Heusler alloy for heat energy harvesting application	School of Nano Science and Nano Technology, MG University, Kottayam	Dr. Chitra Lekha C S

7	SRI 19/2023-24	Design and Development of V2C Mxene/SrVO3 Composite Cathode Material for High Energy Fast Charging Zinc Ion Hybrid Super Capacitor for Electric Vehicle Application	National Institute of Technology Calicut, Kozhikode	Dr. P Mohammed Shafi
8	SRI 22/2023-24	Asymmetric Supercapacitors with Eco-Friendly-Derived Graphene based Hybrid Electrode Materials for Electric/Electronic Devices	University of Calicut, Calicut University PO, Malappuram	Dr. Binitha N N
9	SRI 11/2023-24	Nano Enhanced Solar Still: Optimizing Efficiency and Sustainability with Phase Change Materials	College of Engineering Adoor, Adoor	Dr. Venkitaraj K P
10	SRI 13/2023-24	Development and Field Testing of an Intelligent Solar Hybrid Adsorption Cooling and Desalination System (i-ACDS) Integrating an Energy Storage Unit Effective for Kerala Climate Conditions	TKM College of Engineering Kollam	Dr. Baiju V
11	SRI 04/2023-24	Design and Development of Vertical Axis Wind Turbine for Domestic Applications	St. Thomas College of Engineering & Technology, Chengannur, Alappuzha	Dr. Vipin Gopan
12	SRI 15/2023-24	Sustainable Energy Generation from Plastic Waste: A Promising Alternative for Fossil Fuels	School of Nano Science and Nano Technology, MG University, Kottayam	Dr. Joshy K S

GROUP II

Sl. No.	Project ID	Title of the Project	Applicant Institution	Name of the PI
1	SRI 09/2023-24	Photoelectrochemical hydrogen production and self driven PEC device (Solar cell-PEC coupled)	Sree Sankara College, Kalady, Ernakulam	Dr. Vivek Ramakrishnan
2	SRI 02/2023-24	Polymer Assisted Growth of Perovskite Materials: Advancing Green Technologies and Sustainable Energy Applications through Structural, Electronic and Catalyst	Baselius College, Kottayam	Dr. Aparna Thankappan
3	SRI 17/2023-24	Design and Fabrication of Efficient Polymer Solar Cells Using Modified PEDOT:PSS as Hole Transport Layer	National Institute of Technology Calicut, Kozhikode	Dr. Suchand Sangeeth
4	SRI 07/2023-24	Design and Development of a High Power Energy Efficient Battery Charging System for Electric Vehicles	St. Thomas Institute for Science & Technology, Trivandrum	Dr. Anju S
5	SRI 06/2023-24	A Micro Wind Mill Network for Power Generation in Tall Residential Apartment Complex	UKF College of Engineering and Technology, Paripally Kollam	Dr. Reshmi Krishna Prasad

6	SRI 10/2023-24	Investigation of improving the efficiency of biomaterial based hybrid piezoelectric triboelectric nanogenerator for low wind energy harvesting	College of Engineering, Trivandrum, Engineering College PO, Sreekaryam, Thiruvananthapuram	Dr. Rani S
7	SRI 03/2023-24	Optimizing the Economic Management of a Virtual Power Plant across Day-ahead and Real time Market amidst Uncertainties in Electrical Parameters	Government Engineering College, Barton Hill, Thiruvananthapuram	Dr. Poushali Pal

The proposals selected by the ISC shall only be submitted to the Technical Evaluation Committee (TEC) for final evaluation. The schedule for presentations will be intimated shortly.

Signed by
Narendra Nath Veluri
Date: 30-07-2024 09:33:04

CHIEF EXECUTIVE OFFICER