

LIST OF THE APPROVED PROJECTS IN RESEARCH CALL 1

S.No.	Project No.	Project Title	Name of the P.I	Budget
1.	UOH-IOE-RC1-20-001	New Shortwave Infrared (SWIR) Emitting Dyes based on Bronzaphyrin, a 26 π (2.0.0.2.0.0) Hexaphyrin	Prof. P. K. Panda	51,27,840
2.	UOH-IOE-RC1-20-002	Discovery of Organocatalytic Asymmetric Reactions	Prof. D. B. Ramachary	45,40,000
3.	UOH-IOE-RC1-20-003	Opto-Mechanics of Micro-Crystals for Flexible Photonics	Prof. R. Chandrashekar	59,04,000
4.	UOH-IOE-RC1-20-004	Organic Electrochemical Cells for Converting Ambient Solar Heat and Stored Solar Heat to Electricity with Concomitant Air Cooling	Prof. M. Periaswamy	51,00,000
5.	UOH-IOE-RC1-20-005	1,3-Dicarbonyl Bridged Donor-Acceptors Based Tubulin Binding Agents in Pursuit of Novel Cancer Therapy	Prof. R. Balamurugan	53,00,000
6.	UOH-IOE-RC1-20-006	Bio-catalytic Stereoselective Functionalization of Inert C(sp ³)H Bond.	Prof. Akhila Kumar Sahoo	70,00,000
7.	UOH-IOE-RC1-20-007	Sustainable Energy: Targeting Efficient Water Splitting and Fuel Cell	Prof. Samar.K.Das	58,86,800
8.	UOH-IOE-RC1-20-008	Synthesis, Trifluoromethylation and Novel Cyclization strategies of Allenes to deliver Molecules of Agrochemical and Medicinal importance	Dr. Srinivasarao Yarlakorla	49,25,000
9.	UOH-IOE-RC1-20-010	Liquid crystal based optical microresonators and microlasers for sensitive biosensing and detection	Prof. Bramanandam Manavati	60,00,000
10.	UOH-IOE-RC1-20-011	Multidimensional Ultrafast Spectroscopy	Dr. N. Sriram Gopal	55,00,000
11.	UOH-IOE-RC1-20-012	Understanding the origin of Invisible sector: From Neutrinos to Dark Matter	Dr. Rukmani Mohanta	51,00,000
12.	UOH-IOE-RC1-20-013	Nano Magnetolectric Laminates for Novel Microwave devices and Sensing applications	Prof. K. C. James Raju	62,60,000
13.	UOH-IOE-RC1-20-014	Association between atmospheric aerosol nucleation and cloud condensation nuclei: Implications for aerosol-indirect forcing	Dr. Vijay P. Kanwade	69,99,800
14.	UOH-IOE-RC1-20-015	Subseasonal through interannual variability of River Discharge	Prof. Ashok Karmuri	69,99,640
15.	UOH-IOE-RC1-20-016	Rapid Detection of Hazardous Materials using Robust, Versatile, Cost-effective SERS Substrates and Portable Raman Spectrometer	Prof. Soma Venugopal Rao	70,00,000
16.	UOH-IOE-RC1-20-017	Development of new generation vaccine formulations against human and poultry pathogens and survey of its possible socio-economic implications in healthcare.	Dr. Nooruddin Khan	2,29,50,000
17.	UOH-IOE-RC1-20-018	Deciphering genetic mechanisms controlling internal Phosphorus-use-efficiency and plant fitness under phosphorus deprivation in tomato	Dr. Rahul Kumar	61,70,000
18.	UOH-IOE-RC1-20-019	Enhancement of lipid accumulation during non-photochemical quenching from Chlamydomonas reinhardtii under varying light intensities	Prof. S. Rajagopal	50,00,000
19.	UOH-IOE-RC1-20-020	Chitinolytic machinery of Ustilago maydis: a potential target for effective valorization of recalcitrant chitin biopolymer.	Dr. Jogi Madhuprakash	56,90,696
20.	UOH-IOE-RC1-20-021	Altered Calcium Homeostasis Impairs Mechanotransduction in Podocytes: Implications in Podocyte Depletion and Proteinuria	Prof. Anil. K. Pasupulati	54,00,000
21.	UOH-IOE-RC1-20-024	Indigenous environment friendly, corrosion resistant, cost effective one step water purification by novel nano-composite membrane-based technology: concept to product (ICON)	Dr. Swati Ghosh Acharyya	94,36,000

22.	UOH-IOE-RC1-20-025	Wast'age' to Stor'age': Energy	Prof. V. V. S. S. Srikanth	70,00,000
23.	UOH-IOE-RC1-20-026	Long-term literacy training and its impact on cognitive functioning	Prof. Ramesh Kumar Mishra	71,96,800
24.	UOH-IOE-RC1-20-027	Impact of Robo-advising and Blockchain Interventions on Farmers' Financial Wellbeing	Prof. Vijaya Bhaskar Marisetty	21,18,000
25.	UOH-IOE-RC1-20-028	Print as Resistance Proscription as Control	Prof. Gajendra Kumar Pathak	39,50,000
26.	UOH-IOE-RC1-20-029	Indian Writing in English Online	Prof. Anna Kurian	41,75,000
27.	UOH-IOE-RC1-20-030	Health care needs and practices in Indian Men and Women	Dr. G. Padmaja Gadiraju	48,75,200
28.	UOH-IOE-RC1-20-031	Multidimensional support with assistive technologies for the aging population in India	Prof. Atul Negi	49,88,500
29.	UOH-IOE-RC1-20-032	Understanding and Addressing food and Nutrition Security issues among the vulnerable groups: an interdisciplinary study in Andhra Pradesh and Telangana	Dr. Gummadi Sridevi	50,00,000
30.	UOH-IOE-RC1-20-033	Brokering Mobility Migration Brokerage between Indian and Gulf	Prof. V. J. Varghese	59,97,000
31.	UOH-IOE-RC1-20-034	Communication for Development Social Change Online Course	Prof. Vasuki Belvadi	46,20,400
32.	UOH-IOE-RC1-20-035	Causal Link between Food Inflation and Supply Chain Management Practices in India	Dr. Pramod Kumar Mishra	35,16,000
33.	UOH-IOE-RC1-20-036	Assessing Higher Education Quality using Item Response Theory Analysis: Matching Problem Issues and Solutions	Dr. Murugan .P	21,90,000