

# 37<sup>th</sup> Kerala Science Congress: Best Poster Presentation

## (Student and Scientist Category)

<b>01. AGRICULTURE AND FOOD SCIENCE</b>			
<b>Sl No</b>	<b>Name</b>	<b>Category</b>	<b>Title</b>
1	<b>Shree Naveena P</b> Department of Entomology, College of Agriculture, Vellayani, Trivandrum	STUDENT	<b>BIOPRIMING WITH <i>LECANICILLIUM SAKSENAE</i>: UNLOCKING RICE YIELD POTENTIAL</b>
2	<b>Thulasi V</b> Regional Agricultural Research Station, Pattambi	SCIENTIST	<b>FERTILIZERS VS. ORGANIC MANURES IN RELATION TO CROP PRODUCTIVITY, SOIL HEALTH AND CARBON SEQUESTRATION- LESSONS FROM LONG TERM EXPERIMENTS</b>
<b>02. BIOTECHNOLOGY</b>			
1	<b>Rudra Samson</b> Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram, Kerala	STUDENT	<b>DECIPHERING THE BINDING INTERACTIONS AND ALLOSTERIC MODULATION OF <math>\alpha 7</math> NICOTINIC ACETYLCHOLINE RECEPTOR BY CURCUMIN.</b>
2	<b>Sreedevi C D</b> Forest Genetics and Biotechnology Division KSCSTE-Kerala Forest Research Institute	SCIENTIST	<b>WORKFLOW TO EXPLORE THE ROLE OF EPIGENETIC MODIFICATIONS IN THE FLOWERING PROCESS</b>

<b>3. CHEMICAL SCIENCES</b>			
1	<b>Linda Maria Varghese</b> School of Chemical Sciences, Mahatma Gandhi University, Kottayam, Kerala, India.	STUDENT	<b>CsPbBr<sub>3</sub> DECORATED MoS<sub>2</sub> HYBRID NANOSHEETS FOR PHOTOELECTRIC APPLICATIONS</b>
2	<b>Leemol Roy</b> CMS (Autonomous) college ,Kottayam,Kerala	SCIENTIST	<b>INVESTIGATING THE MOLECULAR MECHANISM OF IRON-CATALYZED SONOGASHIRA CROSS-COUPPLING REACTION</b>
<b>04. EARTH &amp; PLANETARY SCIENCES</b>			
1	<b>Abhinav Kumar Shukla</b> National Centre for Earth Science Studies (MoES, Govt. of India), Thiruvananthapuram 695011	STUDENT	<b>SPATIAL AND TEMPORAL DYNAMICS OF CLOUD-TO-GROUND AND INTRA-CLOUD LIGHTNING IN SOUTHERN INDIA</b>
2	<b>Anakha P Nair</b> Institute for Climate Change Studies, Kottayam, Kerala (KSCSTE-ICCS)	SCIENTIST	<b>EXPLORING OCEAN-ATMOSPHERE DYNAMICS DURING SWELL SURGE EVENT ALONG THE KERALA COAST</b>

<b>05. ENGINEERING &amp; TECHNOLOGY</b>			
1	<b>Avinash J S</b> Government Engineering College Barton Hill, Trivandrum	STUDENT	<b>WHEEL CHAIR PATIENT HOIST.</b>
2	<b>M S Saran</b> KSCSTE - NATPAC, Thiruvananthapuram, Kerala, India	SCIENTIST	<b>MOBILE APP FOR REAL-TIME ROAD DATA COLLECTION AND DISSEMINATION</b>
<b>06. ENVIRONMENTAL SCIENCE</b>			
1	<b>Sandhya ES</b> Dept. of Marine Biology, Microbiology and Biochemistry School of Marine Sciences, CUSAT	STUDENT	<b>QUANTIFICATION AND CHARACTERIZATION OF MICROPLASTICS IN THE BIOTURBATING FIDDLER CRAB <i>AUSTRUCA ANNULIPES</i> (H. MILNE EDWARDS, 1837) AND SEDIMENT FROM THE TROPICAL MANGROVE ECOSYSTEM</b>
2	<b>Aswin S Warriar</b> CSIR-National Institute for Interdisciplinary Science & Technology, Trivandrum 695019, Kerala	SCIENTIST	<b>DEVELOPING A CASEIN-BASED GEL FOR ENHANCED 3D PRINTABILITY</b>

<b>07. FISHERIES &amp; VETERINARY SCIENCES</b>			
1	<b>Deepika Roy K A</b> Department of Veterinary Public Health, College of Veterinary and Animal Sciences, Pookode, Kerala Veterinary and Animal Sciences University, Wayanad- 673 576.	STUDENT	<b>EVALUATION OF ALGINATE- FILM LOADED WITH CINNAMALDEHYDE-ENTRAPPED GREEN SYNTHESISED SILVER/ZINC OXIDE NANOCOMPOSITES FOR CHICKEN BREAST MEAT PACKAGING</b>
2	<b>Preethy John</b> College of Veterinary and Animal Sciences, Mannuthy, Kerala Veterinary and Animal Sciences University	SCIENTIST	<b><i>IN-VITRO</i> ANTINEOPLASTIC ACTIVITY OF PIPERLONGUMINE-SYNTHESISED SILVER NANOPARTICLES</b>
<b>08. FORESTRY &amp; WILDLIFE</b>			
1	<b>Kanchan</b> <sup>1</sup> Department of Forest Resource Management, Kerala Agricultural University, Vellanikkara, Thrissur	STUDENT	<b>Soil Metamorphosis: Mapping Ecological Transitions in Agricultural Ecosystems</b>
2	<b>Suresh K. Govind</b> Assistant Professor, Department of Psychology, Christ College (Autonomous), Irinjalakuda	SCIENTIST	<b>FEEDING OF INDIAN GIANT SQUIRREL <i>RATUFA INDICA MAXIMA</i> (SCHREBER, 1784) ON COCONUTS (<i>COCOS NUCIFERA</i>) IN KERALA, INDIA</b>

<b>09. HEALTH SCIENCE</b>			
1	<b>Jimna Mohamed Ameer</b> <i>Cell Biology Laboratory, Centre for Development and Aging Research, Inter-University Centre for Biomedical Research and Super Speciality Hospital, Mahatma Gandhi University Campus at Thalappady, Kottayam</i>	STUDENT	<b>MITOCHONDRIAL DYSFUNCTION DRIVES LYSOSOMAL DEFICITS THROUGH PARKIN-SNX9 DEPENDENT VESICULAR TRAFFICKING</b>
2	<b>Saritha Francis</b>  Laboratory for Computational and Structural Biology, Jubilee Centre for Medical Research, Thrissur, Kerala	SCIENTIST	<b>MOLECULAR CHARACTERIZATION OF FH MISSENSE VARIANTS IN UTERINE LEIOMYOMAS: FROM STRUCTURAL DISRUPTION TO PATHOGENESIS</b>
<b>10. LIFE SCIENCES</b>			
1	<b>Neethu E</b> <sup>1</sup> Department of Biochemistry, Amala Cancer Research Centre, Thrissur	STUDENT	<b>NON-METASTATIC TO METASTATIC PROGRESSION OF BREAST CANCER CELLS THROUGH ACQUIRED RESISTANCE TO DOXORUBICIN</b>
2	<b>Dr Salini K</b> National Centre for Aquatic Animal Health, Cochin University of Science and Technology, Kochi	SCIENTIST	<b>DEVELOPMENT OF 3 DIMENSIONAL CULTURE OF SHRIMP FUSION CELL LINE ‘<i>PmLyO-Sf9</i>’ [3D- <i>PmLyO-Sf9</i>] AS A PROMISING TOOL TO CONTROL VIRAL DISEASES IN SHRIMP</b>

<b>11. MATHEMATICAL &amp; STATISTICAL SCIENCES</b>			
	<b>Bhanu Kumar</b> School of Digital Sciences, Kerala University of Digital Sciences, Innovation and Technology, Thiruvananthapuram, Kerala, India	STUDENT	<b>A RENEWABLE ENERGY PORTFOLIO FOR SUSTAINABLE HYDROGEN PRODUCTION</b>
<b>12. PHYSICAL SCIENCES</b>			
1	<b>Anu M A</b> Centre for Advanced Materials Research, Department of Physics, Government College for Women, University of Kerala, Thiruvananthapuram	STUDENT	<b>Ti<sub>3</sub>C<sub>2</sub>T<sub>x</sub> MXENE-ACTIVATED CARBON SYNERGIES: UNLOCKING NEW POTENTIALS IN ENERGY STORAGE DEVICES</b>
2	<b>Laya Krishnan M</b> Department of Physics, Cochin University of Science and Technology, Kochi	SCIENTIST	<b>Effect of AgNO<sub>3</sub> Concentration on White Light Tuning in Bismuth Silicate Glasses</b>
<b>13. SCIENTIFIC SOCIAL RESPONSIBILITY</b>			
1	<b>Rajesh Pg</b> <sup>1</sup> Indian Institute of Technology Bombay, Powai, Mumbai, India	STUDENT	<b>Alzheimer's may challenge memory, but the ability to see joy in a happy face stands strong</b>
2	<b>Nimisha R Nair</b> Atomic Biotech Solutions, Pvt. Ltd, Balaramapuram, Thiruvananthapuram	SCIENTIST	<b>Prevalence and Spread of Antimicrobial Resistance in Agriculture Soils and Aquaculture Systems</b>