

35th Kerala Science Congress: Best Oral Presentation Awards

Category	Title
1. Agriculture and Food Sciences	
Student	<p>MANGROVE DERIVED ENDOPHYTIC ACTINOMYCETES FOR PLANT GROWTH PROMOTION, PROTECTION AND AGROWASTE TRANSFORMATION</p> <p>Anjali S Mohan, Revathy M R, Dhanya Kesavan, C. K.Radhakrishnan & Rosamma Philip</p> <p><i>Cochin University of Science and Technology, Kochi</i></p>
Delegate	<p>PROCESS STANDARDIZATION OF PROTEIN HYDROLYSATE INCORPORATED FUNCTIONAL PREMIX FOR INDIAN WOMEN</p> <p>R.L. Beena , S.N. Rajakumar</p> <p><i>Verghese Kurien Institute of Dairy and Food Technology, Thrissur</i></p>
02. Biotechnology	
Student	<p>NANOZYME BASED SIGNAL ENHANCED LATERAL FLOW ASSAY FOR RAPID AND SENSITIVE DETECTION OF COVID-19</p> <p>Sarathkumar E, and Jayasree R S</p> <p><i>Sree Chitra Tirunal Institute for Medical Sciences and Technology, Thiruvananthapuram</i></p>
Delegate	<p>PRO-INFLAMMATORY 'SCHOOLING' OF HUMAN MACROPHAGES BY BACTERIAL GHOST CELLS AS A PROMISING APPROACH TOWARDS TUMOR IMMUNOTHERAPY</p> <p>Sreeja Narayanan , Andrea Joseph , Praveen Kumar Vemula , Sarita G Bhat</p> <p><i>Cochin University of Science and Technology (CUSAT), Kochi</i></p>

03. Chemical Sciences	
Student	<p>WATER SOLUBLE SILICON QUANTUM DOTS BASED FLUORESCENT IMMUNOASSAY FOR C-REACTIVE PROTEIN DETECTION</p> <p>Deepa Sebastiana and Kala Ramakrishnana</p> <p><i>Cochin University of Science and Technology, Kochi</i></p>
Student	<p>INFLUENCE OF DEFECT STRUCTURES ON THE POLARIZATION SWITCHING BEHAVIOUR IN Pb(Zr_{1-x-y}Sn_xTi_y)O₃ ANTIFERROELECTRIC SYSTEM</p> <p>Anil Adukkadan, Viswanathan Kumar and Rajeev Ranjan</p> <p>Indian Institute of Science, Bangalore</p>
Delegate	<p>STRUCTURALLY MODIFIED DIFFERENTLY ARCHITECTURE ELECTROSPUN POLY(METHYL METHACRYLATE) [PMMA] NANOFIBERS WITH ADVANCED PROPERTIES FOR MANIFOLD APPLICATIONS</p> <p>Princy Philip, Tomlal Jose E.</p> <p><i>St. Thomas HSS, Pala, Kottayam, Kerala</i></p>
04. Earth and Planetary Sciences	
Student	<p>WHETHER THE CONTRASTING ISOTOPIC SIGNALS IN GROUNDWATER SOURCES OF THE BHAVANI RIVER BASIN ARE SIGNATURES OF MOUNTAIN BLOCK RECHARGE? A STUDY FROM THE ATTAPPADI CZO</p> <p>Gayathri JA, Vipin T Raj, Sreelash K, Maya K and Padmalal D</p> <p><i>National Centre for Earth Science Studies (NCESS), Thiruvananthapuram</i></p>
Delegate	<p>A STUDY ON IONOSPHERIC IRREGULARITIES OVER COCHIN USING RADAR AND ANCILLARY INSTRUMENTS</p> <p>Sreekumar Haridas, Rakesh V., M G Manoj , K. Unnikrishnan , and Binu Paul</p> <p><i>Cochin University of Science and Technology, Kochi</i></p>

05. Engineering and Technology	
Student	<p>ECO-FRIENDLY SUSTAINABLE GREEN TYRE TREAD COMPOUND WITH HIGH WET GRIP, LOW ROLLING RESISTANCE, AND LOW HEAT BUILD-UP CHARACTERISTICS</p> <p>Bijina V, Abhitha K, Honey John*,</p> <p><i>Cochin University of Science and Technology, Kochi</i></p>
Student	<p>ENGINEERING PROPERTIES OF PA80/EPDM BLENDS</p> <p>Sujith Nadarajan and Siby Varghese</p> <p>Rubber Research Institute of India, Kottayam</p>
Delegate	<p>INCULCATING FLOOD RESILIENCE IN RIVERS BASIN OF KERALA: FLOOD FORECASTING SYSTEMS</p> <p>Ashok B Jacob, Arun C, Praseed N.S, Priyesh R.</p> <p>Irrigation Design and Research Board, Thiruvananthapuram</p>
06. Environmental Science, Forestry & Wild Life	
Student	<p>DETERMINATION OF RAINFALL THRESHOLD AND LANSLIDE HAZARD ZONATION FOR THRISSUR DISTRICT</p> <p>N. Rohit, S. Sandeep, Alan Rose and T.J. Vishnu</p> <p><i>Kerala Forest Research Institute, Thrissur</i></p>
Delegate	<p>EFFECT OF HEAT ON THE DIOXIN CONTENT OF PACKAGED MILK AND ITS EFFECT ON H295 R CELLS</p> <p>Sujith S , Usha PTA , Bibu John Kariyil , Sanis Juliet , Raji, K and Shynu M</p> <p><i>Department of Veterinary Pharmacology and Toxicology, College of Veterinary and Animal Sciences</i></p>

07. Fishery and Veterinary	
Student	<p>SEAWEED-MICROBE SYMBIOSIS: A POTENTIAL ORIGIN OF BIOACTIVE LEADS</p> <p>Chesvin Varghese, Kajal Chakraborty</p> <p><i>Central Marine Fisheries Research Institute, Kochi</i></p>
Delegate	<p>PROTECTIVE EFFICACY OF RECOMBINANT STAPHYLOCOCCAL ENTEROTOXIN TYPE C AGAINST EXPERIMENTAL MURINE INFECTION BY A STRAIN OF MULTIDRUG RESISTANT STAPHYLOCOCCUS AUREUS ISOLATED FROM BOVINE SUBCLINICAL MASTITIS</p> <p>P. Preena , Desh Deepak , Syed Atif Ali , Nongthombam Bobby and Reena Mukherjee</p> <p><i>Kerala Veterinary and Animal Sciences University, Mannuthy, Thrissur</i></p>
08. Health Sciences	
Student	<p>SYNTHESIS OF KAPPA CARRAGEENAN GRAFTED SILVER NANOPARTICLES FOR WOUND DRESSING APPLICATIONS</p> <p>Amruth P., Jean Mary Joy , Rosemol Jacob M., R. Anandan , Suseela Mathew</p> <p><i>ICAR-Central Institute of Fisheries Technology, Cochin-682029,</i></p>
Student	<p>ROLE OF CYTOGENETICS, WILM'S TUMOR 1 AND CYTIDINE DEAMINASE IN PREDICTING THERAPEUTIC RESPONSE OF ACUTE MYELOID LEUKEMIA PATIENTS</p> <p>Akhila Raj TV, Geetha Raj JA, Geetha N, Mahitha MS, Amritha P Kumar, Devipriya P, Hariharan S</p> <p><i>Regional Cancer Centre, Thiruvananthapuram, Kerala</i></p>
Delegate	<p>LEISHMANIASIS: AN EMERGING VECTOR-BORNE PARASITIC DISEASES IN KERALA STATE</p> <p>Prasanta Saini, N Pradeep Kumar, Ashwani Kumar</p> <p><i>ICMR-Vector Control Research Centre, Kottayam, Kerala</i></p>

09. Life Sciences	
Student	<p>FERULIC ACID ATTENUATES DIABETIC LIVER DAMAGE BY ANTIOXIDANT AND ANTI-APOPTOTIC POTENTIAL</p> <p>Anjali and S Mini*</p> <p><i>University of Kerala , Thiruvananthapuram</i></p>
Student	<p>SECONDARY METABOLITE COMPARISON BETWEEN CO-CULTURE AND PURE CULTURES OF STREPTOMYCES SPECIES NIIST-D63 AND NIIST-D47</p> <p>D.K. Induja and Ravi Shankar Lankalapalli</p> <p>CSIR-National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram</p>
Delegate	<p>OPTIMISATION OF REACTION CONDITIONS FOR THE SYNTHESIS OF SILVER NANOPARTICLES USING BANANA SAP</p> <p>Deepa Mary Josepha*, Joseph Jobb</p> <p><i>Kuriakose Elias College , Kottayam</i></p>
10. Mathematics and Statistical Sciences	
Student	<p>NORMAL CATEGORIES OF SEMIGROUP OF ORDER-PRESERVING TRANSFORMATIONS ON A FINITE CHAIN</p> <p>K K Sneha</p> <p><i>Cochin University of Science and Technology, Kochi</i></p>
Delegate	<p>SEMISIMPLICITY OF TWISTED GROUP RINGS AND GENERALIZED MASCHKE'S THEOREM</p> <p>Alanka Thomas and P.G.Romeo</p> <p><i>Cochin University of Science and Technology, Kochi</i></p>

11. Physical Sciences	
Student	<p>TAILORING PHOTOPHYSICAL RESPONSE IN MULTIFUNCTIONAL SRLALITEO6: ER3+ DOUBLE PEROVSKITES</p> <p>Pooja K V, Subodh</p> <p><i>University of Kerala, Thiruvananthapuram</i></p>
Delegate	<p>STUDY OF GOLD NANOPARTICLES INCORPORATED IN POLYMER MATRIX FOR BIOSENSING APPLICATIONS</p> <p>Sujitha. A.S, Dr. Diksha Painuly</p> <p><i>CRDC, HLL Lifecare Limited, Thiruvananthapuram</i></p>
12. Scientific Social Responsibility	
Student	<p>AN OPEN FRAMEWORK FOR THE DEVELOPMENT OF AUTOMATIC SPEECH RECOGNITION SYSTEM FOR MALAYALAM</p> <p>Kavya Manohar , Dr. Rajeev Rajan and Dr. A. R. Jayan</p> <p><i>College of Engineering Trivandrum, Thiruvananthapuram</i></p>
Delegate	<p>DESIGN AND DEVELOPMENT OF TRANSDERMAL DRUG DELIVERY DEVICE FOR PAINLESS ADMINISTRATION OF INSULIN</p> <p>Dr. Shiny Velayudhan</p> <p>Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum</p>