

**29th SESSION OF KERALA SCIENCE CONGRESS, MAR THOMA COLLEGE,
THIRUVALLA, 28th – 30th January 2017**

Subject Code: 01

Subject Area: Agriculture & Food Sciences

BEST PAPER AWARD

Sl. No.	Register No.	Title of the Abstract
1.	29KSC0166	Process protocol standardisation and quality assessment of nutraceutical powder from banana
2.	29KSC0773	SSR MARKER ASSISTED GENOME ANALYSIS OF THE <i>SALTOL SUB1</i> INTROGRESSED POPULATIONS FOR GENE PYRAMIDING IN RICE (<i>ORYZA SATIVA</i> L.) VARIETY JYOTHI
3.	29KSC0896	AEROBIC RICE FOR NUTRIENT AND WATER USE EFFICIENCY IN LATERITIC SOILS IN CLIMATE CHANGE SCENARIO
4.	29KSC0912	HUMIFICATION DYNAMICS OF PLANT RESIDUES AND ITS INFLUENCES ON SOIL HEALTH
5.	29KSC0916	CATALOGUING AND DOCUMENTATION OF FUNGAL DISEASES OF GERBERA
6.	29KSC0990	DEVELOPMENT OF FUNCTIONAL LIME BEVERAGE WITH ALOE GEL SUPPLEMENTATION

ORAL PRESENTATION

Sl.No.	Register No.	Title of the Abstract
1.	29KSC0061	MYOFIBRIL FRAGMENTATION INDEX PREDICT TENDERNESS OF BUFFALO MUSCLES HAVING DIFFERENT
2.	29KSC0067	Collection and characterization of unique genotypes of nutmeg (<i>myristica fragrans</i> houtt.)
3.	29KSC0075	QUALITY ATTRIBUTES OF MEAT FROM ATTAPADY BLACK GOAT, A NATIVE BREED OF KERALA
4.	29KSC0217	ASSESSING THE SUSTAINABILITY AND SUITABILITY OF SRI IN CHANGING CLIMATE
5.	29KSC0226	WET SOIL ANALYSIS FOR NUTRIENT PRESCRIPTION IN PADDY SOILS
6.	29KSC0277	ANTIBIOGRAM OF THERMAL RESISTANT <i>Staphylococcus aureus</i> ISOLATED FROM MILK
7.	29KSC0403	IDENTIFICATION OF MAINTAINERS AND RESTORERS FOR DEVELOPMENT OF POTENTIAL RICE (<i>ORYZA SATIVA</i> L.) HYBRIDS FOR KERALA STATE
8.	29KSC0432	MODULATION OF RHIZOSPHERE USING EFFECTIVE MICRO ORGANISMS FOR PROFITABLE ORGANIC RICE PRODUCTION
9.	29KSC0465	ISOLATION, IDENTIFICATION AND MOLECULAR

		CHARACTERIZATION OF PETROLEUM DEGRADING BACTERIAL BLOOM FROM OIL CONTAMINATED SITES AND ITS APPLICATION IN BIOREMEDIATION
10.	29KSC0614	Toxic heavy metals in milk in the pollution impact areas of Ernakulam and Chalakudy at Kerala- A Case study and the need to develop safety standards.)
11.	29KSC0630	SCREENING OF INDICATOR PLANTS FOR BIOASSAY OF FLUCETOSULFURON
12.	29KSC0660	Effect of gamma radiation on germination and seedling parameter of finger millet (<i>Eleusine coracana</i> L. Gaertn.)
13.	29KSC0756	THE LEVEL OF THE MAJOR HAEMOLYMPH PROTEIN IS INCREASED BY METHOXYFENOZIDE IN THE LARVAE OF <i>SPODOPTERA MAURITIA</i> BOISD. (LEPIDOPTERA: NOCTUIDAE).
14.	29KSC0901	ENDOSULFAN RELATED HEALTH ISSUES IN KASARAGOD - FACTS IN RETROSPECT
15.	29KSC0925	PATHOGENICITY AND SAFETY OF THE INDIGENOUS ISOLATE OF ENTOMOPATHOGENIC FUNGUS <i>LECANICILLIUM SAKSENAE</i> (KUSHWAHA) KURIHARA & SUKARNO
16.	29KSC0977	EVALUATION OF PROBIOTIC POTENTIAL OF <i>A Lactobacillus</i> ISOLATED FROM ICE CREAM
17.	29KSC1022	POPULATION DYNAMICS OF FRUIT FLIES

POSTER PRESENTATION

Sl.No.	Register No.	Title of the Abstract
1.	29KSC0050	DEVELOPMENT OF A LOW COST AND INDIGENOUS LASER BIOSPECKLE TECHNIQUE FOR THE DETECTION AND ANALYSIS OF PESTICIDES IN VEGETABLES AND FRUITS
2.	29KSC0052	EFFECT OF HERBICIDE MIXTURES ON EARTH WORM POPULATION AND ORGANIC CARBON CONTENT IN SOIL
3.	29KSC0126	<i>Brachytheцийum buchananii</i> (HOOK.)A. JAEGER A SOURCE FOR NATURAL ANTIOXIDANT
4.	29KSC0140	PHYSICAL AND TEXTURAL PROPERTIES OF EXTRUDED SNACKS PREPARED FROM MULTI GRAIN & YAM BLENDS BY TWIN SCREW EXTRUSION
5.	29KSC0177	EFFECT OF HEXANAL TREATMENT ON SHELF LIFE OF GUAVA (<i>Psidium guajava</i>)
6.	29KSC0186	COMPARATIVE STUDY ON THE EFFECT OF FERTILIZERS ON AGRONOMIC AND BIOCHEMICAL CHARACTERS IN <i>Amaranthus</i> sp.
7.	29KSC0188	SPATIAL VARIABILITY OF SOIL FERTILITY IN A COCONUT BASED AGRO ECOLOGICAL UNIT IN THE SANDY PLAINS OF KERALA

8.	29KSC0192	PERCEIVED INFORMATION CONTENT OF AGRI-EXPERT SYSTEMS AMONG EXTENSION PROFESSIONALS IN KERALA
9.	29KSC0252	Effect of integrated Plant nutrient system on soil biological health in a red loam soil
10.	29KSC0315	EVALUATION OF DIFFERENT APPLICATION METHODS OF NATIVE BIOCONTROL AGENT AGAINST MAJOR DISEASES OF RICE
11.	29KSC0346	CHARACTERIZATION OF BIOCHAR FROM TENDER COCONUT HUSK
12.	29KSC0398	Assessment of Microbiological Quality of a Leading Brand of Ready to Cook Broiler Chicken in India
13.	29KSC0447	Improved formulations of the entomopathogenic fungus <i>Lecanicillium lecanii</i> (zimmermann)zare and gams
14.	29KSC0542	MOLECULAR CHARACTERIZATION AND PHYLOGENETIC ANALYSIS OF <i>NBS-LRR</i> GENES IN <i>Solanum nigrum</i> and <i>Solanum violaceum</i>
15.	29KSC0548	IDENTIFICATION OF PLANT EXTRACTS CONTAINING PROTEASE INHIBITORS AGAINST THE GUT PROTEASES OF <i>SPODOPTERA LITURA</i> (LEPIDOPTERA: NOCTUIDAE)
16.	29KSC0552	ENHANCED FERMENTABLE SUGAR YIELD FROM VEGETABLE PROCESSING RESIDUES THROUGH PRETRTMENT, DETOXIFICATION AND SACCHARIFICATION
17.	29KSC0690	Identification of differentially expressed genes responsible for CMD resistance in cassava using cDNA-AFLP
18.	29KSC0723	EFFICACY OF FUNGICIDES AND BIOAGENTS AGAINST DOWNY MILDEW DISEASE OF BITTERGOURD
19.	29KSC0741	BIOCHEMICAL CHARACTERIZATION OF EGG FRUIT (<i>Pouteria campechiana</i>) AND STUDY OF ITS ANTIBACTERIAL ACTIVITY AGAINST MRSA (METHICILLIN RESISTANT <i>Staphylococcus aureus</i>) AND <i>E.coli</i>
20.	29KSC0759	STORAGE VIABILITY AND <i>IN-VITRO</i> GERMINATION OF OIL PALM (<i>ELAEIS GUINEENSIS</i> JACQ.) POLLEN
21.	29KSC0778	IDENTIFYING DONORS FOR GALL MIDGE RESISTANCE <i>Gm</i> GENES FROM TRADITIONAL RICE VARIETIES OF KERALA BY FUNCTIONAL MARKERS
22.	29KSC0886	Phytophthora leaf fall- a destructive disease of nutmeg
23.	29KSC0905	Symptomatology, morphological and cultural characteracterization of <i>Colletotrichum gloeosporioides</i> causing crown and root rot of strawberry (<i>Fragaria X ananassa</i> Duch) in Kerala
24.	29KSC0911	LAND-USE CHANGES IN KUTTANAD ECOLOGY AND INVESTMENT IMPERATIVES UNDERTAKEN FOR ITS SUSTAINABLE DEVELOPMENT: AN ECONOMIC APPRAISAL

25.	29KSC0924	CHARACTERIZATION AND CONSERVATION OF <i>SALACIA CHINENSIS</i> -A POTENTIAL ANTIDIABETIC PLANT
26.	29KSC0979	PERFORMANCE OF DIFFERENT VARIETIES OF RADISH (<i>Raphanus sativus</i> L.) UNDER MILD SUBTROPICAL CONDITIONS OF WAYANAD
27.	29KSC0996	EFFICACY OF NEW GENERATION MOLECULES AGAINST RHINOCEROS BEETLE (<i>Oryctes rhinoceros</i> LINN.) IN COCONUT
28.	29KSC1031	AN ASSESSMENT OF MIXED CROP CULTIVATION IN KADALUNDI RIVER BASIN IN KERALA

**29th SESSION OF KERALA SCIENCE CONGRESS, MAR THOMA
COLLEGE, THIRUVALLA, 28th – 30th January 2017**

Subject Code: 02

Subject Area: Biotechnology

BEST PAPER AWARD

Sl. No.	Register No.	Title of the Abstract
1.	29KSC0138	SIZE-DEPENDENT TOXICOLOGICAL IMPACT OF TiO ₂ NANOPARTICLES ON <i>Eudrillus euginiae</i>
2.	29KSC0143	Isolation and Purification of solasodine and caulophyllumine-A from <i>Solanum mauritianum</i> Scop. and its antimetastatic mechanism
3.	29KSC0154	EFFECT OF FUNGAL ENZYMES ON DECOLORIZATION OF TEXTILE DYEING INDUSTRY EFFLUENT
4.	29KSC0190	IDENTIFICATION OF FUNCTIONAL MARKER FOR THERMOSENSITIVE MALE STERILE RICE
5.	29KSC0214	Multiple Parameter Optimization for Tannase Production by <i>Aspergillus japonicus</i> TBG22(d) and its Characterization under Solid State Fermentation
6.	29KSC0799	<i>CHLOROCOCCUM HUMICOLA</i> (NAGELI) RABENHORSTASA RENEWABLE SOURCE OF BIOPRODUCTS AND BIOFUEL

ORAL PRESENTATION

Sl. No.	Register No.	Title of the Abstract
1.	29KSC0019	DECREASED DOPAMINE D ₁ AND D ₂ RECEPTORS IN THE CEREBRAL CORTEX OF HYPOXIC NEONATAL RATS: EFFECTIVE RESUSCITATION WITH GLUCOSE AND OXYGEN.
2.	29KSC0127	COMPARISON OF ANTIOXIDANT POTENTIAL OF MARINE RED ALGAE <i>KAPPAPHYCUS ALVAREZII</i> (DOTY) DOTY AND <i>HYPNEA MUSCIFORMIS</i> (WULFEN) J.V. LAMOUREUX
3.	29KSC0133	Comparison of <i>in vitro</i> antiproliferative activity of anthocyanin and apoptosis from <i>Begonia malabarica</i> Lam. and <i>B. rex - cultorum</i> 'Baby rainbow'
4.	29KSC0206	COMPARATIVE ACTIVITY SCREENING OF PROTEASE ENZYME FROM HIGH LAND AND LOW LAND AREAS OF KERALA
5.	29KSC0224	ANTIMICROBIAL AND BIOCONTROL EFFICACY OF <i>STREPTOMYCES LUTEOSPORUS</i> STRAIN NIIST A32 ISOLATED FROM FOREST SOIL
6.	29KSC0238	<i>IN VITRO</i> PROPAGATION OF <i>HYBANTHUS ENNEASPERMUS</i> (L.) F. MUELL
7.	29KSC0269	SOCIOGENOMIC VARIATIONS OF FOUR POPULATIONS OF SOUTH INDIA WITH REFERENCE TO BUTYRYLCHOLINESTERASE ACTIVITY
8.	29KSC0344	EXHIBITION OF LIGNIN PEROXIDASE LIKE ACTIVITY BY <i>COCOS NUCIFERA</i> LEAFLETS

9.	29KSC0387	DE NOVO SEQUENCING AND ASSEMBLY OF CARDAMOM TRANSCRIPTOME WITH SPECIAL REFERENCE TO TERPENOID BIOSYNTHESIS GENES
10.	29KSC0408	MOLECULAR CHARACTERIZATION, GENOMIC DNA CONTENT ESTIMATION AND POLLEN MORPHOLOGY AMONG WILD <i>MUSA</i> OF AGASTYAMALA BIOSPHERE RESERVE
11.	29KSC0494	CHARACTERIZATION OF A PURIFIED PROTEINACEOUS PROTEASE INHIBITOR FROM MACROTYLOMA UNIFLORUM SEEDS AND ITS ANTIFUNGAL, ANTIMICROBIAL PROPERTIES
12.	29KSC0501	OPTIMIZATION OF REGENERATION AND TRANSFORMATION PROTOCOL IN ELITE GENOTYPES OF CASSAVA.
13.	29KSC0629	HPTLC Profiling of <i>Clinacanthus nutans</i> (Burm. f.) Lindau. root extracts
14.	29KSC0679	GENERATION AND VALIDATION OF A CELL CYCLE STAGE-SPECIFIC DUAL-FLUORESCENT PROBE SYSTEM (FUCCI) IN COLON CANCER CELL LINE, DLD-1
15.	29KSC0683	ISOLATION AND IDENTIFICATION OF URIC ACID DEGRADING BACTERIA, OPTIMIZATION OF URICASE PRODUCTION AND THE PURIFICATION OF URICASE ENZYME.
16.	29KSC0995	CONFORMATIONAL FEATURES OF SIZE EXPANDED XRNA G-C SEQUENCE ELUCIDATED THROUGH MOLECULAR DYNAMICS
17.	29KSC1050	Establishment of adventitious root culture of <i>Trichosanthes cucumerina</i> var. <i>cucumerina</i> Linn. and qualitative detection of cucurbitacin E

POSTER PRESENTATION

Sl. No	Register No.	Title of the Abstract
1.	29KSC0155	Micro RNA mediated regulation of gene expression in the division and differentiation of spermatogonial cells in mouse testis
2.	29KSC0216	ASSESSMENT OF GENETIC VARIABILITY AMONG <i>IPOMOEA MAURITIANA</i> JACQ. COLLECTIONS USING RAPD
3.	29KSC0248	CATECHOL AS A STABLE INTERMEDIATE IN THE BIODEGRADATION OF PHENOL BY <i>ALCALIGENS</i> SP d ₂
4.	29KSC0291	METAGENOME MINING OF SARDINELLA GUT: INSIGHTS INTO COMPOSITION, FUNCTION & APPLICATION OF THE GENETIC POTENTIAL
5.	29KSC0293	GALACTOXYLOGLUCAN COATED MULTIFUNCTIONAL GOLD NANOFLOWERS FOR THERANOSTIC MANAGEMENT OF CANCER
6.	29KSC0307	Genomics OF <i>Salmonella</i> Stp1 - CANDIDATE BACTERIOPHAGE FOR biocontrol
7.	29KSC0519	Determination of ploidy and DNA content in the clones of <i>Erianthus arundinaceus</i> (Retz.) Jeswiet (a wild relative of sugarcane)
8.	29KSC0546	SIMULATION OF BLOOD FLOW- AN ALTERNATE APPROACH
9.	29KSC0619	Exploring the nutraceutical potentiality of <i>Cissampelos pareira</i> L.
10.	29KSC0632	<i>IN VITRO</i> PROPAGATION OF <i>BALIOSPERMUM MONTANUM</i> (WILLD.) MUELL. ARG.: A RET MEDICINAL SPECIES
11.	29KSC0657	EXCITOTOXIC INSULTS CAUSE PHOSPHORYLATION AT GLUN2B-SER ¹³⁰³ OF N-METHYL-D-ASPARTATE RECEPTOR (NMDAR) IN RAT BRAIN

12.	29KSC0689	MOLECULAR PHYLOGENY OF BALSAMS (GENUS <i>IMPATIENS</i>) BASED ON COMBINED SEQUENCES OF NUCLEAR ITS, <i>DEF1</i> AND <i>DEF2</i> REGIONS
13.	29KSC0772	ANTIOXIDANT ACTIVITY, TOTAL PHENOLIC AND FLAVONOID CONTENT EVALUATION OF AN ENDEMIC SPECIES - <i>POLYALTHIA KORINTII</i> (DUNAL) BENTH.& HOOK.F.
14.	29KSC0783	BIOACTIVE POTENTIALS OF BIVALVE CLAMS FROM SOUTHWEST COAST OF INDIA
15.	29KSC0784	Bioactive properties of seaweed <i>Sargassum wightii</i> (Family Sargassaceae) collected from Gulf of Mannar of Mandapam region on the Southeast coast of India
16.	29KSC0850	Role of leguminous and non-leguminous hosts on the ammonium assimilation of <i>Santalum album</i> L. during primary growth stage.
17.	29KSC0908	MODELLING CROSSTALK BETWEEN ERBB SIGNALLING PATHWAYS USING A DATA ANALYTICS PIPELINE
18.	29KSC0926	ANTIBACTERIAL COMPOUNDS FROM SEAWEED ASSOCIATED BACTERIA AGAINST MULTIDRUG RESISTANT PATHOGENS
19.	29KSC0964	BACTERICIDAL EFFECT OF PHYTOSYNTHESIZED ZINC OXIDE NANOPARTICLES USING AQUEOUS LEAF EXTRACT OF <i>ZIZIPHOU S OENOPLIA</i> (L.) MILL ON GRAM NEGATIVE BACTERIA
20.	29KSC1052	Phyto-constituents and DPPH-scavenging antioxidant property of leaf derived callus cultures and leaf of field-grown plants of <i>Rauvolfia hookeri</i> .S.R.Sriniv&Chitra., a rare and endemic medicinal plant of Southern Western Ghats

**29th SESSION OF KERALA SCIENCE CONGRESS, MAR THOMA COLLEGE,
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Subject Code: 03

Subject Area: Chemical Sciences

BEST PAPER AWARD

Sl. No.	Register No.	Title of the Abstract
1.	29KSC0063	IRON-CATALYZED CROSS-COUPLING IN AQUEOUS MEDIA: A GREEN AND EFFICIENT PROTOCOL FOR THE SYNTHESIS OF DIARYL ETHERS
2.	29KSC0080	A novel Zinc-catalyzed Cadiot-Chodkiewicz cross-coupling reaction of terminal alkynes with 1-bromoalkyne
3.	29KSC0109	GRAPHENE OXIDE- β -CYCLODEXTRIN BASED MULTI STIMULI RESPONSIVE POLYMER FOR THE CONTROLLED DELIVERY OF 5-FLUOROURACIL, AN ANTICANCER DRUG
4.	29KSC0148	Vanadia ceria nano composites as efficient catalysts for wet peroxide oxidation of persistent and biorecalcitrant chlorinated organics
5.	29KSC0903	PROBING THE INTERNAL STRUCTURE AND PERMEABILITY OF POLYELECTROLYTE MULTILAYERS USING LYSINE AS A MODEL COMPOUND

ORAL PRESENTATION

Sl.No.	Register No.	Title of the Abstract
1.	29KSC0057	Preparation, mechanical and thermal properties of phenol formaldehyde resole resin / potato starch reduced graphene oxide polymer nanocomposites
2.	29KSC0058	CAN- Mediated Novel Transformation of Nitrones
3.	29KSC0111	Development of Easy and Affordable Test Kits to Detect Adulterants in Milk
4.	29KSC0335	A STUDY OF <i>IN VITRO</i> ANTIMICROBIAL ACTIVITY OF LANTHANIDE (III) COMPLEXES WITH A HETEROCYCLIC BIOACTIVE SCHIFF BASE LIGAND
5.	29KSC0337	META-HYBRID FUNCTIONALS IN CONNECTION WITH DENSITY FUNCTIONAL THEORY FOR BETTER PREDICTION OF FREE RADICAL SCAVENGING CAPABILITIES IN BIOLOGICAL ANTIOXIDANTS
6.	29KSC0342	A CONVENIENT ROUTE TO 1,3-DIYNES USING AMINE FREE CADIOT-CHODKIEWICZ COUPLING REACTION AT ROOM TEMPERATURE UNDER AEROBIC CONDITIONS
7.	29KSC0347	REMOVAL OF TOXIC METAL IONS BY BIOSYNTHESIZED NOBLE SILVER NANOPARTICLE
8.	29KSC0375	INVESTIGATIONS ON THE DEVELOPMENT OF SOLID ACID CATALYST FROM PALYGORSKITE FOR ALKYLATION REACTION
9.	29KSC0412	Grafted starch coated area fertilizer with sustained release properties
10.	29KSC0419	ANTIBACTERIAL, DNA CLEAVAGE, SUPEROXIDE DISMUTASE MIMETIC AND α -AMYLASE INHIBITORY ACTIVITY STUDIES OF SOME METAL BASED BIOACTIVE MATERIALS

11.	29KSC0543	DEVELOPMENT OF MULTISHELLED TITANIA HOLLOW NANOSTRUCTURES FOR SELF CLEANING APPLICATIONS
12.	29KSC0652	INVESTIGATION OF STRUCTURAL ASPECTS OF DIOXIDOMOLYBDENUM(VI) COMPLEXES OF AROYLHYDRAZONES INCORPORATING MONODENTATE HETEROCYCLES AS COLIGANDS
13.	29KSC0661	Visible light driven degradation of synthetic dyes using ZnO nanorods sensitized with Porphyrin
14.	29KSC1013	SYNTHESIS OF HETEROCYCLES VIA COPPER CATALYZED TANDEM CYCLIZATION REACTIONS

POSTER PRESENTATION

Sl. No.	Register No.	Title of the Abstract
1.	29KSC0008	Isolation and characterization of triterpenoid type compounds from <i>Hyptiscapitata</i>
2.	29KSC0009	PHYTOCHEMICAL INVESTIGATION AND CHARACTERIZATION OF <i>ANDROGRAPHIS PANICULATA</i> AND ITS SYNTHETIC MODIFICATIONS
3.	29KSC0026	TURN OFF FLUORESCENCE BIOSENSOR FOR XANTHINE AND ITS USE IN FOOD AND CLINICAL MONITORING
4.	29KSC0036	Sustainable Materials: Simple and Cost Effective Synthesis of Fluorescent Graphene Quantum Dots from Honey
5.	29KSC0038	Design and Development of CRANAD-003 as a Cyanide Sensor
6.	29KSC0081	SOLVENT SELECTIVE TRANSDERMAL FILM FOR COST EFFECTIVE COMBINATORIAL CHEMOTHERAPY
7.	29KSC0137	GREEN STRATEGY FOR THE DEVELOPMENT OF STARCH - SILVER NANOCOMPOSITE FILMS FOR ANTIMICROBIAL APPLICATIONS
8.	29KSC0174	DESIGN, DEVELOPMENT, CHARACTERIZATION AND APPLICATION OF MULTILAYERED BIOPOLYMERS FOR HIGH END WATER TREATMENT
9.	29KSC0181	DENSITY FUNCTIONAL CALIBRATION AND ENERGETICS STUDY OF TAUTOMERIZATION OF THIOCARBONYL SYSTEMS
10.	29KSC0182	A DFT STUDY ON THE MECHANISTIC AND ENERGETIC ASPECTS OF Fe(CO) ₅ CATALYZED ALKYNE HYDROTHIOLATION REACTION
11.	29KSC0183	A DFT Study on Radical- and Transition Metal- Catalyzed Reaction Mechanisms of Alkyne Hydroselenation
12.	29KSC0211	Glucose: Urea: NH ₄ Cl Mixture as an efficient catalyst and reaction medium for organic synthesis
13.	29KSC0239	SYNTHESIS AND ANTI-DIABETIC ACTIVITY OF 3-FORMYL CHROMONE DERIVED HYDRAZONE AND THEIR ZINC (II) COMPLEX
14.	29KSC0405	Synthesis and evaluation of Cu (II) Heterocyclic Schiff base Complexes as non-nucleoside HIV-1 RT inhibitors
15.	29KSC0486	THEORETICAL DESIGN, SYNTHESIS AND NONLINEAR OPTICAL PROPERTIES OF TWO NOVEL THIOPHENE-BASED POLYMERS VIA DIRECT ARYLATION POLYMERIZATION ROUTE.

16.	29KSC0653	SYNTHESIS AND CHARACTERIZATION OF TWO Zn(II) COMPLEXES: SPACER EFFECT ON PHOTOLUMINESCENCE
17.	29KSC0721	EFFECT OF OCTENYL SUCCINYLACTION AND CITRIC ACID MODIFICATION ON RESISTANT STARCH CONTENT AND FUNCTIONAL PROPERTIES OF SWEET POTATO STARCH
18.	29KSC0758	SOL-GEL DERIVED FLUORIDE AND MANGANESE MODIFIED TiO ₂ FOR SELECTIVE REMOVAL OF POLLUTANTS
19.	29KSC0808	SYNTHESIS OF MESOPOROUS TITANIA AND ITS APPLICATION AS PHOTOCATALYST IN WATER SPLITTING REACTION
20.	29KSC0852	THEORETICAL INVESTIGATIONS OF ANTHANTHRENE DERIVATIVES TO IDENTIFY TRIPLET TRIPLET ANNIHILATION CANDIDATES
21.	29KSC0922	POLY (1- NAPHTHYLAMINE)-SILVER NANO COMPOSITES: ONE STEP SYNTHESIS, CHARACTERISATION AND DIELECTRIC STUDIES
22.	29KSC1044	EFFECT OF PCBM AS AN ACCEPTOR ON THE PHOTOCONDUCTING BEHAVIOUR OF P-AMINOAZOBENZENE BASED POLYBENZOXAZINE SYSTEM

**29th SESSION OF KERALA SCIENCE CONGRESS, MAR THOMA COLLEGE,
THIRUVALLA, 28th – 30th January 2017**

Subject Code: 04

Subject Area: Earth & Planetary Sciences

BEST PAPER AWARD

Sl. No	Register No.	Title of the Abstract
1.	29KSC0161	CALCULATION OF ION PRODUCTION RATES AND ELECTRON DENSITY PROFILE FOR THE DAYSIDE IONOSPHERE OF TITAN
2.	29KSC0464	GRAVITY WAVE CONTROL ON ESF DAY TO DAY VARIABILITY: AN EMPIRICAL MODEL APPROACH
3.	29KSC0949	GEOCHEMICAL AND MINERALOGICAL CHARACTERISTICS OF SURFICIAL SEDIMENTS OF THE BEYPORE ESTUARY, KERALA: IMPLICATION TO WEATHERING CONDITION

ORAL PRESENTATION

Sl.No	Register No.	Title of the Abstract
1.	29KSC0055	CHARACTERIZATION OF TROPICAL CONVECTION USING GROUND BASED RADIOMETRIC OBSERVATIONS OVER THIRUVANANTHAPURAM
2.	29KSC0538	DELINEATION OF GROUNDWATER POTENTIAL ZONES USING GIS AND REMOTE SENSING IN A SUB-WATERSHED OF CHELLUR, MALAPPURAM DISTRICT, KERALA, INDIA
3.	29KSC0541	DECIPHERING THE BAJOCIAN/BATHONIAN BOUNDARY FROM CALCAREOUS NANNOFOSSILS OF KEERA DOME (PACHCHHAM FORMATION), KACHCHH MAINLAND, WESTERN INDIA
4.	29KSC0828	ROLE OF STRONG/ WEAK LLJ AND TEJ ON SPATIAL DISTRIBUTION OF CLOUDS AND PECIPITATION
5.	29KSC0838	RESPONSE OF EQUATORIAL NIGHTTIME THERMOSPHERE IONOSPHERE SYSTEM TO PENETRATING INTERPLANETARY ELECTRIC FIELD: A CASE STUDY

POSTER PRESENTATION

Sl. No.	Register No.	Title of the Abstract
1.	29KSC0042	THE IMPACT OF MERIDIONAL CIRCULATION CHANGES ON THE ELECTRON DENSITY DISTRIBUTION OVER THE INDIAN REGION DURING A SEVERE GEOMAGNETIC STORM ON 15 MAY 2005
2.	29KSC0221	MORPHOLOGICAL FEATURES OF PLASMA IRREGULARITIES ESTIMATED USING GEOSTATIONARY SATELLITES
3.	29KSC0231	ANOMALOUS NIGHT TIME ENHANCEMENT IN IONOSPHERIC ELECTRON CONTENT OVER AN EQUATORIAL STATION, CHANGANACHERRY
4.	29KSC0272	STUDY OF COMPLEXITY IN THE RANGE OF H USING NON-EXTENSIVE TSALLIS ENTROPY
5.	29KSC0338	A STUDY ON IONOSPHERIC IRREGULARITIES OVER A NEAR EQUATORIAL CREST STATION HYDERABAD, USING GPS DATA
6.	29KSC0352	PRELIMINARY RESULTS OF THE DEEP CORE FROM THE VELLAYANI LAKE, KERALA
7.	29KSC0719	TEMPORAL VARIABILITY OF PARTICULATE MATTER CONCENTRATION AND METEOROLOGICAL INFLUENCES OVER THIRUVANANTHAPURAM, KERALA
8.	29KSC0729	CHARACTERISTICS OF BLACK CARBON AND INFLUENCE OF METEOROLOGY OVER A TROPICAL COASTAL STATION TRIVANDRUM, INDIA

**29th SESSION OF KERALA SCIENCE CONGRESS, MAR THOMA COLLEGE,
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Subject Code: 05

Subject Area: Engineering and Technology

BEST PAPER AWARD

Sl. No.	Register No.	Title of the Abstract
1.	29KSC0012	MORPHOLOGICAL AND SPECTRAL STUDIES ON SELF ASSEMBLED NANOSTRUCTURED EPOXY/BLOCK COPOLYMER SYSTEM
2.	29KSC0223	Novel Microporous Polypropylene Membrane as Lithium ion Battery Separator
3.	29KSC0393	PERVAPORATION APPLICATION OF NANOCOMPISTE MEMBRANES FOR INDUSTRIAL WASTE WATER TREATMENT
4.	29KSC0435	INFLUENCE OF FLUID STRUCTURE INTERACTION ON WATERHAMMER IN UPVC PIPES
5.	29KSC0439	DEVELOPMENT OF n-TYPE BISMUTH TELLURIDE ALLOY NANOSTRUCTURES FOR ROOM TEMPERATURE THERMOELECTRIC APPLICATIONS

ORAL PRESENTATION

Sl. No.	Register No.	Title of the Abstract
1.	29KSC0014	MORPHOLOGY,MECHANICAL AND ELECTRICAL PROPERTIES OF POLY (TRIMETHYLENE TEREPHTHALATE)/ POLYPROPYLENE/CARBON NANOTUBE BLEND NANOCOMPOSITES
2.	29KSC0021	ELECTRICAL AND WETTING PROPERTIES OF POLYTRIMETHYLENE TEREPHTHALATE (PTT)/MULTI WALLED CARBON NANOTUBE (MWCNT) NANOCOMPOSITES
3.	29KSC0054	DEVELOPING SUB-DAILY INTENSITY DURATION FREQUENCY CURVES FOR URBAN AREAS IN KERALA BASED ON MULTIVARIATE EMPIRICAL MODE DECOMPOSITION AND SCALING THEORY
4.	29KSC0056	REDUCED GRAPHENE OXIDE AS A REINFORCING FILLER IN PLASTICIZED POLYVINYL CHLORIDE- ELECTRICAL AND MECHANICAL PROPERTIES
5.	29KSC0139	MODELLING OF CUSTOMER SEARCH BEHAVIOUR OF PARATRANSIT DRIVERS AT THIRUVANANTHAPURAM CITY
6.	29KSC0193	PRECONCENTRATION OF HEAVY METALS FROM AQUEOUS SOLUTION USING CHITOSAN COATED POLYPROPYLENE FILTER UNIT COUPLED WITH ICP AES
7.	29KSC0401	STUDY ON MODAL SHIFT OF HOME-BASED WORK TRIPS TOWARDS KOCHI METRO
8.	29KSC0414	Raman Spectroscopic Analysis of Blood Samples of Dengue Fever Patients
9.	29KSC0420	SIMULATION OF NR2B-CaMKII PHOSPHORYLATION UNDER LOW ATP EPILEPTIC LIKE CONDITIONS

10.	29KSC0431	EARLY GLAUCOMA DETECTION THROUGH CUP TO DISC RATIO
11.	29KSC0451	AN ANALYSIS OF SEAT BELT USAGE COMPLIANCE IN KERALA
12.	29KSC0457	SYNTHESIS AND CHARACTERIZATION OF CARBON NANO KAJAL
13.	29KSC0458	SYNTHESIS AND CHARACTERIZATION OF CARBON NECKLACE 6 A SIMPLE METHOD
14.	29KSC0508	DESIGN IMPROVEMENTS FOR ACCIDENT PRONE CURVE AT VATTAPPARA IN NH 17 6 A CASE STUDY
15.	29KSC1038	Structural Durability test on Porous Friction Course mixes containing Natural Rubber Modified Bitumen and Cellulose fibers

POSTER PRESENTATION

Sl.No.	Register No.	Title of the Abstract
1.	29KSC0002	ATTENUATING MICROWAVE RADIATION BY ABSORPTION THROUGH CONDUCTING STYRENE BUTADIENE RUBBER SOFT ELASTOMER COMPOSITES CONTAINING IONIC LIQUID MODIFIED MWCNT
2.	29KSC0010	NEW MODIFICATION METHOD FOR EPOXY RESIN USING RECYCLED POLYURETHANE: DEVELOPMENT OF NANOSTRUCTURED TRANSPARENT PRODUCTS FOR ELECTRONICS
3.	29KSC0033	A STUDY ON THE EFFECT OF SURFACTANTS PN SOIL-WATER SYSTEM
4.	29KSC0136	DEVELOPMENT OF PEDESTRIAN LOS OF SIDEWALKS USING SELF ORGANISED MAPS IN ANN
5.	29KSC0167	WEB- BASED PSYCHOMETRIC TESTING TOOL FOR IDENTIFYING PATIENTS GENETIC VARIATIONS IN HEALTH-CARE MANAGEMENT
6.	29KSC0208	EVALUATION OF PROGRESSIVE CRUDE OIL DISTILLATION PROCESS USING PROCESS SIMULATOR
7.	29KSC0222	GEOMORPHOLOGICAL ANALYSIS FOR STREAMFLOW PREDICTION USING CURRENT PRECIPITATION INDEX METHOD IN THE HUMID TROPICS
8.	29KSC0288	MICROWAVE REDUCED GRAPHENE OXIDE REINFORCED FLUOROELASTOMER NANOCOMPOSITES; PREPARATION, CHARACTERISATION AND PROPERTIES
9.	29KSC0316	INTERACTIVE IMAGE AND TEXT EXTRACTION USING ACP CUT AND CRF
10.	29KSC0362	STUDY ON RATIONALISATION OF PUBLIC TRANSPORT SERVICES IN THIRUVANANTHAPURAM CITY
11.	29KSC0369	PARKING MANAGEMENT PLAN FOR PROPOSED LRT STATIONS IN THIRUVANANTHAPURAM CITY
12.	29KSC0383	COLLECTIVE OPERATIONAL EFFICIENCY OF SIGNAL SYSTEMS WITH RED LIGHT CAMERA
13.	29KSC0462	EVALUATION OF ZYCOTHERM MODIFIED BITUMINOUS MIX

14.	29KSC0511	STRATEGY FOR IMPROVING WALKABILITY-A CASE STUDY OF THIRUVANANTHAPURAM CITY
15.	29KSC0551	CANAL BANK BREACHING VULNERARABILITY ANALYSIS IN ALAPPUZHA AND KUTTANAD REGIONS
16.	29KSC0645	Development of bioactive radiopaque composites for biomedical applications.
17.	29KSC0673	PREDICTION OF MACHINING PERFORMANCE IN ELECTRIC DISCHARGE MACHINING OF INCONEL-718 USING ARTIFICIAL NEURAL NETWORK
18.	29KSC0740	A COMPARITIVE STUDY ON THE REINFORCING EFFECT OF ORGANOCCLAY IN NITRILE RUBBER FABRICATED BY MILL MIXING AND LATEX COMPOUNDING METHODS
19.	29KSC0776	Converged, Cloud Based Mobile Portal for networking 7000+ Public libraries under Kerala State Library Council
20.	29KSC1025	EFFECT OF WASTE FROM TITANIUM DIOXIDE PIGMENT PLANT ON KUTTANAD SOIL

**29th SESSION OF KERALA SCIENCE CONGRESS, MAR THOMA COLLEGE,
THIRUVALLA, 28th – 30th January 2017**

Subject Code: 06

Subject Area: Environmental Science, Forestry & Wildlife

BEST PAPER AWARD

Sl. No.	Register No.	Title of the Abstract
1.	29KSC0275	IDENTIFICATION OF METAL RESISTANT ENDOPHYTES FROM LAGENANDRA TOXICARIA, A HYPERACCUMULATOR
2.	29KSC0292	HYDROLOGICAL RESPONSE OF RIVER BASINS TO CLIMATE CHANGES: A STUDY FROM KERALA, SW INDIA.
3.	29KSC0460	DEMOGRAPHIC APPRAISAL OF ECOLOGICALLY SENSITIVE AREAS: A CASE STUDY OF WAYANAD DISTRICT, KERALA
4.	29KSC0959	FINE ROOT DYNAMICS IN 12-YEAR- OLD ACACIA MANGIUM MANAGED AT VARIABLE STAND DENSITY
5.	29KSC0960	THERMODYNAMICS AND GEO-CHEMICAL TRANSFORMATION OF FIRE AFFECTED GRASS LAND ECOSYSTEMS IN KERALA WESTERN GHATS

ORAL PRESENTATION

Sl. No.	Register No.	Title of the Abstract
1.	29KSC0035	IN SITU BIOREMEDIATION OF CHLORPYRIFOS BY KLEBSIELLA SP ISOLATED FROM AGRICULTURE SOIL
2.	29KSC0083	FABRICATION OF THE NANO ZINC OXIDE INCORPORATED GRAPHENE OXIDE/NANOCELLULOSE COMPOSITE REMOVAL AND DEGRADATION OF CIPROFLOXACIN HYDROCHLORIDE FROM AQUEOUS SOLUTIONS
3.	29KSC0087	FABRICATION OF A NOVEL POLYACRYLIC ACID-GRAFTED-CARBOXYLIC GRAPHENE/TITANIUM NANOTUBE COMPOSITE FOR ENHANCED PHOTOCATALYTIC DEGRADATION OF ENROFLOXACIN UNDER VISIBLE LIGHT IRRADIATION
4.	29KSC0122	ALTITUDINAL VARIATION IN PHENOLS, FLAVONOID, & ANTHOCYANIN CONTENT AND FTIR PROFILE AMONG OSBECKIA SPECIES IN KERALA
5.	29KSC0278	IDENTIFICATION OF METAL RESISTANT ENDOPHYTES FROM LAGENANDRA TOXICARIA, A HYPERACCUMULATOR
6.	29KSC0284	PREDOMINANCE OF NIR S HARBOURING BACTERIAL COMMUNITY IN THE SEDIMENT COVER OF ESTUARINE AND COASTAL ECOSYSTEMS OF COCHIN

7.	29KSC0372	FITOREMEDIATION CAPABILITIES OF VETEVER (CHRYSOPOGON ZIZANIODES) AND NEELAKKARIMBU (SCCHARUM SPONTANEUM) TOWARDS PURIFICATION OF POLLUTED WATER AND A FIELD IMPLIMENTATION MODEL FOR RIVER PROTECTION
8.	29KSC0392	BIOPOLYMER PRODUCTION BY BACILLUS CEREUS AND CHARACTERIZATION OF THE POLYMER SYNTHASE GENE
9.	29KSC0428	SCIENTIFIC ASSESMENT OF SKIPPED SPAWNING BEHAVIOUR OF MYSTUS GULIO IN POLLUTED ENVIRONMENT - A CASE STUDY
10.	29KSC0463	ROLE OF DUNG BEETLES (SCARABAEINAE: COLEOPTERA) IN THE DECOMPOSITION OF COW DUNG PATS IN THE AGRO-HABITATS OF KERALA
11.	29KSC0550	ENVIRONMENTAL IMPROVEMENT STUDY ON NATIONAL WATERWAYS 8 AND 9
12.	29KSC0634	WEALTH FROM WASTE: EXPERIENCE WITH CASSAVA STARCH FACTORY SOLID WASTE
13.	29KSC0651	SOURCING OF WATER IN PERIYAR RIVER BASIN USING ISOTOPIC TRACERS
14.	29KSC0663	QUANTITATIVE ASSESSMENT OF DOMINANCE AND COMPETITIVE STRATEGY EMPLOYED BY INVASIVE PLANT MERREMIA VITIFOLIA USING ANDRIOD SENSORS
15.	29KSC0686	TRACKING THE ROLE OF BENTHIC ORGANISMS IN THE REGULATION OF MICROBIAL CONTAMINATION IN SASTHAMKOTTA LAKE
16.	29KSC0806	ROLE OF TREE OUTSIDE FOREST (TOF) IN CLIMATE CHANGE MITIGATION - A CASE STUDY FROM THODUPUZHA URBAN REGION OF IDUKKI DISTRICT IN KERALA
17.	29KSC0888	PHYCOREMEDIATION OF CASHEW NUT PROCESSING WASTEWATER AND PULP AND PAPER MILL EFFLUENT USING NATIVE CHLORELLA SP.
18.	29KSC0894	AN EXPERIMENTAL STUDY ON THE CARBON CAPTURE CAPACITY OF BIOCHAR, ACTIVATED CARBON AND CNT : A COMPARATIVE ANALYSIS.
19.	29KSC0898	INFLUENCE OF PRE-SOWING TREATMENTS ON SEED GERMINATION OF MAHOGANI (SWIETENIA MACROPHYLLA KING)

POSTER PRESENTATION

Sl. No.	Register No.	Title of the Abstract
1.	29KSC0041	POPULATION ECOLOGICAL STUDIES OF HYDNOCARPUS LONGIPEDUNCULATUS ROBI, SASIDH. & JOSE - A NEWLY DESCRIBED ENDEMIC TAXON OF THE WESTERN GHATS, KERALA

2.	29KSC0123	CYTOSOLIC PEROXIDASE DROUGHT TOLERANT ENZYME OF FORKED FERN - DICRANOPTERIS LINEARIS (BURM.F.) UNDERW. ITS PURIFICATION AND CHARACTERIZATION
3.	29KSC0152	ANALYSIS OF MICROORGANISMS IN THE ANAEROBIC SEPARATION OF BANANA PSEUDOSTEM FIBRES USING FLUORESCENT IN SITU HYBRIDIZATION
4.	29KSC0257	SPATIAL PLANNING FOR EFFECTIVE MANAGEMENT OF FRESH WATER BASINS UNDER EXTENSIVE LANDUSE CHANGE IN PALLICKAL RIVER BASIN
5.	29KSC0260	SPATIAL PLANNING FOR EFFECTIVE MANAGEMENT OF FRESH WATER BASINS UNDER EXTENSIVE LANDUSE CHANGE IN PALLICKAL RIVER BASIN
6.	29KSC0261	TRIBALS TURN TO MEDICINAL PLANT CULTIVATORS ó A CASE STUDY OF THE KADARS IN THE VAZHACHAL FORESTS
7.	29KSC0265	HOST PLANT SELECTION AND UTILIZATION BY EUMETA CRAMERI (LEPIDOPTERA: PSYCHIDAE) FROM NON CULTIVATED HUMAN HABITATIONS OF NORTHERN KERALA
8.	29KSC0268	A PRELIMINARY MORPHOMETRIC QUANTIFICATION OF THE MOTH ASSEMBLAGES IN HUMAN HABITATIONS IN SELECTED AREAS OF THRISSUR DISTRICT
9.	29KSC0341	OPTIMIZATION OF LACCASE PRODUCTION FROM BASIDIOMYCETES FUNGI BY ONE FACTOR AT A TIME METHOD
10.	29KSC0364	FREE RADICAL SCAVENGING AND ANTIMICROBIAL ACTIVITY OF METHANOLIC EXTRACT OF SIMAROUBA GLAUCA
11.	29KSC0374	BIO REMEDIATION AS AN ECO SYSTEM FUNCTION IN CONSTRUCTED WET LANDS
12.	29KSC0456	PERCHLORATE CONTAMINATION IN KERALA
13.	29KSC0499	AN ECOFRIENDLY METHOD FOR THE CONTROL OF BANANA PSEUDOSTEM BORER, ODOIPORUS LONGICOLLIS
14.	29KSC0500	LITTER DEGRADATION AND WASTE WATER TREATMENT USING LITTER BACTERIA ISOLATED FROM PAMPADUM SHOLA NATIONAL PARK, KERALA, INDIA
15.	29KSC0590	ALLELOPATHIC INTERACTION BETWEEN AN AQUATIC WEED MONOCHORIA VAGINALIS (BURM.F.) PRESL.AND THE CEREAL CROP ORYZA SATIVA L.
16.	29KSC0644	RESOLVING THE TAXONOMIC AMBIGUITY OF ACARTIELLA GRAVELYI (CALANOID COPEPOD) FROM VEMBANAD BACKWATER KERALA, USING MITOCHONDRIAL CYTOCHROME OXIDASE SUBUNIT I GENE SEQUENCES
17.	29KSC0647	SPECIES COMPOSITION OF DIURNAL REPTILES IN AN INTACT FOREST AND A FOREST FRAGMENT OF SOUTH WAYANAD DIVISION

18.	29KSC0692	MOLECULAR SYSTEMATICS OF THE SUBTRIBE MELOCANNINAE IN PALEOTROPICAL WOODY BAMBOOS
19.	29KSC0786	IDENTIFICATION AND QUANTIFICATION OF BISPHENOL S IN CASH RECEIPTS, AN EMRGING ENDOCRINE DISRUPTING COMPOUND IN THERMAL PAPERS
20.	29KSC0795	MANAGEMENT OF URBAN ORGANIC WASTES FOR ORGANIC FARMING : POTENTIAL RISK IN THE BIO TRANSFER OF HEAVY METALS INTO FOOD CHAIN
21.	29KSC0878	ORGANIC LOAD REDUCTION BY USING PALM OIL MILL EFFLUENT AS A SUBSTRATE FOR BIOPLASTIC PRODUCTION
22.	29KSC0950	REMOTE SENSING BASED MAPPING OF WETLANDS IN THRISSUR DISTRICT
23.	29KSC0969	THE FAMILY GESNERIACAEAE IN SOUTH INDIA: ENDEMISM AND CONSERVATION
24.	29KSC1032	INCREASING TREND OF CONSUMER EXPENDITURE IN KERALA ó A MICRO VISUALIZATION
25.	29KSC1033	FUNCTIONAL COMPOSITION OF BIRDS IN SHADED AND OPEN CANOPY COFFEE PLANTATIONS OF WAYANAD PLATEAU, WESTERN GHATS

**29th SESSION OF KERALA SCIENCE CONGRESS, MAR THOMA COLLEGE,
THIRUVALLA, 28th – 30th January 2017**

Subject Code: 07

Subject Area: Fisheries & Veterinary Sciences

BEST PAPER AWARD

Sl. No.	Register No.	Title of the Abstract
1.	29KSC0254	COPROANTIGEN SANDWICH ELISA IN THE DIAGNOSIS OF BOVINE AMPHISTOMOSIS
2.	29KSC0330	EVALUATION OF TWO RAPID FIELD LEVEL DIAGNOSTIC TOOLS FOR ACUTE CANINE LEPTOSPIROSIS IN KERALA
3.	29KSC0746	PLANT-MADE RECOMBINANT LACTOFERRIN OF VECHUR COW, THE CONSERVED BREED OF <i>BOS INDICUS</i> AND ITS BACTERICIDAL EFFECT
4.	29KSC0802	AN OUTBREAK OF BOVINE BRUCELLOSIS AND ITS MANAGEMENT IN AN ORGANISED FARM

ORAL PRESENTATION

Sl. No.	Register No.	Title of the Abstract
1.	29KSC0031	Oxidative stress in muscle tissue of the freshwater fish, <i>Etroplus maculatus</i> (Bloch, 1795): a toxic response exposed to fullerene (C ₆₀) nanoparticles
2.	29KSC0077	EVALUATION OF mRNA EXPRESSION AND CHARACTERISATION OF <i>SLC11A1</i> GENE IN MALABARI AND ATTAPPADY BLACK GOAT
3.	29KSC0119	COMPARISON OF DIFFERENTIAL EXPRESSION OF NGF AND FHSR GENES AND THEIR INTERACTIONS IN REPRODUCTIVE TISSUES OF PROLIFIC AND LOW PROLIFIC GOATS OF KERALA
4.	29KSC0120	Standardization of a Real time PCR for the detection of leptospire in canine clinical samples
5.	29KSC0201	DEVELOPMENT OF A MEAT LINE OF KUTTANAD DUCKS (<i>Anas platyrhynchos domesticus</i>)
6.	29KSC0213	Development Biology of <i>Hypselobarbus Kurlali</i> (Menon And Remadevi, 1995)
7.	29KSC0236	METALLOTHIONEINS IN AQUATIC VERTEBRATES: THEIR USE AS BIOMARKERS OF METAL CONTAMINATION
8.	29KSC0366	MULTIPLE PARASITISMS BY DIVERSE COPEPODSPECIES ON EDIBLE MARINE FISHES ALONG COCHIN COAST, KERALA
9.	29KSC0376	PREDICTION OF LIFETIME MILK PRODUCTION FROM EARLY LACTATION TRAITS IN CROSSBRED CATTLE

10.	29KSC0404	ABSENCE OF CANONICAL SPLICED LEADER 1(SL 1) SEQUENCES FOR <i>DIROFILARIA REPENS</i>
11.	29KSC0436	EFFECT OF A PESTICIDE LAMDA CYAHALOTHRIN ON HAEMATOLOGICAL CHANGES IN THE FRESH WATER FISH, <i>LABEO ROHITA</i> UNDER SHORT AND LONG TERM EXPOSURE PERIODS
12.	29KSC0489	EVALUATION OF HAEMATO-BIOCHEMICAL AND HISTOPATHOLOGICAL ALTERATIONS IN CHLORPYRIFOS TOXICITY AND THE PROTECTIVE ROLE OF VITAMIN C IN RATS
13.	29KSC0656	Effect of Feeding of Hydroponics Fodder Maize as Partial Protein Supplement on Growth Performance in kids
14.	29KSC0765	DEVELOPMENT OF A MULTIPLEX POLYMERASE CHAIN REACTION (m-PCR) FOR THE DETECTION OF POULTRY RESPIRATORY PATHOGENS
15.	29KSC0831	GIS-BASED AQUACULTURE SITE SUITABILITY STUDY FOR SHORT NECK CLAM FARMING IN ASHTAMUDI LAKE
16.	29KSC0956	Bioscaffold materials regenerate muscle defects <i>via</i> immunomodulation in a rodent hernia model
17.	9KSC1030	Validation of the FAMACHA [®] eye colour chart using sensitivity/specificity analysis in Attappady Black Goats of Kerala

POSTER PRESENTATION

Sl. No.	Register No.	Title of the Abstract
1.	29KSC0074	മനീസ്സിൽ എസ്റ്റർ മെറ്റാബോളിസം
2.	29KSC0088	A REPORT ON PARASITIC CRUSTACEAN INFECTION ON CLUPEID AND CARANGID FISHES ALONG THE MALABAR COAST
3.	29KSC0202	EFFECT OF SUPPLEMENTATION OF DIFFERENT LEVELS OF NANO SELENIUM ON INTAKE AND UTILIZATION OF NUTRIENTS IN WISTAR ALBINO RATS
4.	29KSC0235	MALATHION INDUCED MORTALITY AND HISTOLOGICAL CHANGES IN THE JUVENILE <i>ETROPLUS SURATENSIS</i> .
5.	29KSC0271	ESTIMATION OF CADMIUM AND LEAD IN <i>Sardinella longiceps</i>
6.	29KSC0353	PNEUMONIA ASSOCIATED WITH ACINETOBACTER BAUMANNII INFECTION IN A PUP- A CASE REPORT
7.	29KSC0377	MIXED MODEL REPEATED MEASURES ANALYSIS OF VARIANCE FOR MILK YIELD DATA
8.	29KSC0384	EFFECT OF FEEDING BETEL LEAVES AND NUTMEG PODS POWDER ON FEED INTAKE, GUT HEALTH AND BLOOD BIOCHEMICAL PARAMETERS IN JAPANESE QUAIL (<i>Coturnix Coturnix Japonica</i>)

9.	29KSC0391	A Report on the parasitic crustacean infection on finfishes of Malabar coast
10.	29KSC0444	MOLECULAR PHYLOGENY AND ANTIOXIDANT ACTIVITY OF BACTERIA ASSOCIATED WITH MARINE MICROALGAE <i>Isochrysis galbana</i>
11.	29KSC0521	A CASE REPORT OF ASPERGILLOSIS IN AN AFRICAN GREY PARROT
12.	29KSC0564	CHARACTERISATION OF PARTIALLY PURIFIED SOMATIC ANTIGENS OF <i>GASTROTHYLAX CRUMENIFER</i>
13.	29KSC0714	A SUCCESSFUL MODEL OF MODIFIED CYTOBRUSH TECHNIQUE FOR ENDOMETRIAL CYTOLOGY IN BOVINES
14.	29KSC0814	Management of Canine Trypanosomosis- A Case Report
15.	29KSC0863	OCCURRENCE OF <i>LISTERIA SPECIES</i> IN MEAT PROCESSING PLANTS IN KERALA
16.	29KSC0909	SCREENING OF POOLED MILK SAMPLES FOR BETA LACTAM AND TETRACYCLINE ANTIBIOTIC RESIDUES
17.	29KSC0914	EFFECT OF SUPPLEMENTATION OF DRIED FENNEL SEED POWDER ON SERUM LIPID PROFILE IN PANEER FED RATS
18.	29KSC0941	Exploration of Genetic Resistance and Resilience to Natural Gastro-intestinal Parasitism in
19.	29KSC0970	STUDIES ON THE EFFECT OF CHLORPYRIFOS ON FRESHWATER CLIMBINGPERCH, <i>Anabas testudineus</i>
20.	29KSC1006	EVALUATION OF DNA EXTRACTION PROTOCOLS FROM IXODID TICKS
21.	29KSC1014	Prevalence of Buxtonellosis in cattle in different agro-ecological zones and seasons of Kerala

**29th SESSION OF KERALA SCIENCE CONGRESS, MAR THOMA COLLEGE,
THIRUVALLA, 28th – 30th January 2017**

Subject Code: 08

Subject Area: Health Sciences

BEST PAPER AWARD

Sl. No.	Register No.	Title of the Abstract
1.	29KSC0179	FUKUGISIDE FROM <i>GRACINIA TRAVANCORICA</i> EXHIBITS THERAPEUTIC POTENTIAL AGAINST OBESITY ASSOCIATED WITH NAFLD IN HEPG2 CELLS
2.	29KSC0263	ALTERED EXPRESSION OF MICRORNA _s TARGETING GENES INVOLVED IN ER STRESS INDUCED APOPTOTIC UNFOLDED PROTEIN RESPONSE SIGNALING PATHWAY IN NEURONS
3.	29KSC0453	NOVEL TERPOLYMER SUPPORTED BIOLOGICAL MEMBRANE SCAFFOLD FOR DERMAL BURN WOUND APPLICATIONS
4.	29KSC0832	Scaffold free Mesenchymal stem cells sheet derived from thermo responsive N-isopropyl 6-co- glycidyl methacrylate coated surfaces for Corneal surface reconstruction

ORAL PRESENTATION

Sl. No.	Register No.	Title of the Abstract
1.	29KSC0082	LARVICIDAL ACTIVITY OF THE TRADITIONAL MEDICINAL PLANT SPECIES, <i>TRIBULUS TERRESTRIS</i> AGAINST <i>AEDES AEGYPTI</i>
2.	29KSC0151	STUDY ON ANTIFUNGAL ACTIVITIES OF <i>WRIGHTIA TINCTORIA</i> , <i>ALOE VERA</i> AND <i>ECLIPTA ALBA</i> LEAF EXTRACT AGAINST DANDRUFF CAUSING FUNGUS <i>MALASSEZIA SPS.</i>
3.	29KSC0253	IS FEVER TO INCREASE BLOOD CIRCULATION?
4.	29KSC0305	BACOPA <i>MONNIERI</i> AND BACOSIDE A FOR IMPROVING BEHAVIOURAL DEFICITS OF PILOCARPINE INDUCED EPILEPTIC RATS
5.	29KSC0368	CYTOPROTECTIVE EFFICACY OF AQUEOUS EXTRACT OF FRUIT COMBINATION AGAINST DIRECT AND INDIRECT OXIDATIVE STRESS
6.	29KSC0394	METAGENOMIC ANALYSIS OF SOIL RESISTOME ELUCIDATING STREPTOMYCIN RESISTANCE GENE (<i>STRA</i>)
7.	29KSC0426	OPPOSING EFFECT OF CHEBULAGIC ACID ON SERUM STIMULATED AND UNSTIMULATED CONDITIONS IN ENDOTHELIAL CELLS
8.	29KSC0452	ANTIOXIDANT AND CYTOPROTECTIVE EFFECT

9.	29KSC0526	COMPARATIVE STUDY OF THE PLATELET PROTEOME OF DIABETIC VS NON DIABETIC AND THE PATHWAY ANALYSIS
10.	29KSC0567	ANTIFUNGAL EFFICACY OF VAGINAL GEL FORMULATION MADE FROM PLANT EXTRACTS AGAINST <i>CANDIDA</i> SPP
11.	29KSC0672	NOVEL MACROMOLECULAR PRODRUGS OF DEXIBUPROFEN AND ACECLOFENAC: SYNTHESIS, CHEMICAL STABILITY, ENZYMATIC HYDROLYSIS, ANTI-INFLAMMATORY ACTIVITY AND GASTROINTESTINAL TOXICITY
12.	29KSC0869	ANALYSIS OF EXPRESSION OF VASCULAR DIFFERENTIATION MARKERS SUGGEST ARRESTED DEVELOPMENT IN THE NIDUS STRUCTURES OF ARTERIO VENOUS MALFORMATION
13.	29KSC0928	IMPLICATIONS OF WHITE MATTER CHANGES IN MTL- HS SYNDROME-A DIFFUSION TENSOR STUDY
14.	29KSC0945	THE PLANT PATHOGENIC FUNGI GANODERMA APPLANATUM (P.KARST) MITIGATES HYPERGLYCEMIA, OXIDATIVE STRESS AND METABOLIC DISCREPANCIES IN ALLOXAN INDUCED DIABETIC RATS

POSTER PRESENTATION

Sl. No.	Register No.	Title of the Abstract
1.	29KSC0069	COMPARATIVE STUDY OF THE NUTRIENT INTAKE AMONGST LOW BODY MASS INDEX (BMI) DIABETES PATIENTS IN ASIAN INDIANS
2.	29KSC0178	ASSESSMENT OF APPROPRIATE USE OF ANTIMICROBIAL PROPHYLAXIS IN SURGERY
3.	29KSC0212	NANOPARTICULATE TRANSDERMAL PATCHES OF <i>CATHARANTHUS ROSEUS</i> FOR BREAST CANCER TREATMENT
4.	29KSC0280	PUBLIC HEALTH BURDEN OF CANCER AMONG WOMEN IN KERALA
5.	29KSC0314	A STUDY OF ELECTRO ENCEPHALOGRAPHIC CHANGES AND COGNITIVE FUNCTIONS IN CHRONIC OBSTRUCTIVE PULMONARY PATIENTS WITH SEVERITY OF DISEASE AS ASSESSED BY BODE
6.	29KSC0334	A STUDY ON ANTI-INFLAMMATORY MECHANISM OF LEAVES EXTRACT <i>Chassalia curviflora</i>
7.	29KSC0411	CONNECTOME ALTERATIONS AFFECT SHORT-TERM ASSOCIATED MEMORY FORMATION IN <i>Caenorhabditis elegans</i>
8.	29KSC0588	IMPRINTING ENHANCES LEARNING AND MEMORY RETENTION IN <i>C. elegans</i>

9.	29KSC0671	MOLECULAR DOCKING OF PHYTOCHEMICALS OF GARCINIA MANGOSTANA AGAINST CHOLESTEROL ESTERASE
10.	29KSC0794	MULTIMODAL IMAGING BIOMARKERS FOR THE DIAGNOSIS OF INDIVIDUALS WITH MCI AND AD
11.	29KSC0858	COMPARATIVE EVALUATION OF SHEAR BOND STRENGTH OF COBALT CHROMIUM ALLOY FABRICATED WITH CONVENTIONAL LOST WAX AND LASER SINTERING TECHNIQUES TO DENTIN- AN IN VITRO STUDY
12.	29KSC0891	ANTI-LIVER FIBROTIC POTENTIAL OF <i>TETRACERA AKARA</i> (BURM. F.) MERR., AN ETHANO MEDICINAL PLANT USED BY KANI TRIBE OF KERALA.
13.	29KSC0899	RING CHROMOSOME 9: A RARE UNSTABLE CHROMOSOMAL ABNORMALITY IN PATIENTS WITH DELAYED DEVELOPMENT
14.	29KSC1018	CAN EEG-FMRI PREDICT THE EPILEPTOGENIC ZONE AND THE LIKELIHOOD OF POST-OPERATIVE SEIZURE FREEDOM IN TEMPORAL LOBE EPILEPSY?

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Subject Code: 09

Subject Area: Life Sciences

BEST PAPER AWARD

Sl. No.	Register No.	Title of the Abstract
1.	29KSC0121	PURIFICATION, CHARACTERISATION OF PROTEASE INHIBITOR FROM <i>SOLANUM ACULEATISSIMUM</i> JACQ. AND THE VALIDATION OF ITS ANTI INFLAMMATORY EFFICACY
2.	29KSC0669	<i>Funneliformis mosseae</i> , the common arbuscular mycorrhizal fungi of banana in South India
3.	29KSC0727	A Study on the Versatile Applications of Chitosan Nanoparticle - Antifungal, Antioxidant and Coating Agent.
4.	29KSC0735	ANTI-ARTHRITIC EFFECT OF GUGGULUTHIKTAMKASHAYAM IN COLLAGEN INDUCED ARTHRITIS
5.	29KSC0879	ANTI-INFLAMMATORY AND WOUND HEALING POTENTIAL OF <i>NEUROCALYX CALYCINUS</i> (R. BR. EX BENN.) ROB. LEAVES ÷ A CLAIM BY CHOLANAICKAN TRIBE OF KERALA

ORAL PRESENTATION

Sl. No.	Register No.	Title of the Abstract
1.	29KSC0023	Leaf anatomy of three south Indian <i>Crateva</i> L. species (Capparidaceae)
2.	29KSC0025	ORGANIC <i>VERSUS</i> INORGANIC NUTRIENT MANAGEMENT OF PINEAPPLE VARIETIES FOR SAFE AND SUSTAINABLE PRODUCTION
3.	29KSC0045	CYTOTOXIC AND APOPTOTIC ACTIVITIES OF AQUEOUS ETHANOLIC EXTRACT OF RHIZOME OF <i>CYPERUS ROTUNDUS</i> AGAINST HEPATOCELLULAR CARCINOMA USING HEP G ₂ CELLS
4.	29KSC0125	Evaluation of antimetastatic potential of anthocyanin from callus culture of <i>Tectona grandis</i> L f.
5.	29KSC0258	EXPRESSION OF <i>PAI 1</i> GENE IN SCRATCH WOUNDS OF L6 MYOBLAST CELL CULTRES INDUCED BY <i>Hemigraphis alternata</i>
6.	29KSC0325	STUDIES ON THE DIVERSITY OF LYCOPHYTES AND FERNS OF PEECHI-VAZHANI WILDLIFE SANCTUARY, KERALA

7.	29KSC0359	ANATOMICAL, PHYTOCHEMICAL, MORPHOLOGICAL AND MOLECULAR PROFILING OF BLIND TREE <i>EXCOECARIA AGALLOCHA</i> L. (EUPHORBIACEAE)
8.	29KSC0478	Media optimization through manipulation of ammonium nitrate and potassium nitrate for the <i>in vitro</i> propagation of <i>Elaeocarpus serratus</i> L.
9.	29KSC0479	<i>B. DIFFUSA</i> ACTS AGAINST HCV BY INHIBITING NS3 PROTEASE
10.	29KSC0496	ISOLATION AND SCREENING OF ENDOPHYTIC FUNGI FROM THE LEAVES AND TWIGS OF TWO MEDICINAL PLANTS AND THEIR WITHIN-LEAF DISTRIBUTIONS
11.	29KSC0583	METHYL GALLATE AS AN ANTIPROLIFERATIVE AGENT WITH FATTY ACID SYNTHASE AS A PROBABLE TARGET: <i>IN SILICO</i> AND <i>IN VITRO</i> STUDY
12.	29KSC0677	DISEASES OF IMMATURE AND MATURE PINEAPPLE AND PASSION FRUITS AND THEIR CONTROL MEASURES
13.	29KSC0726	ANTIBACTERIAL ACTION OF GRADIENT EXTRACTS OF <i>SPILANTHES CALVA</i> DC.
14.	29KSC0755	A STUDY ON THE EFFECTIVE MICROORGANISM (EM) TECHNOLOGY IN AGRICULTURE AND WASTE MANAGEMENT
15.	29KSC0767	Differentiation of human umbilical cord mesenchymal stem cells using a 5Azacytidine on thermo-responsive polymer for the generation of a cardiac patch
16.	29KSC0867	UNREVEALING THE ENDOPHYTIC MICROBIAL COMPLEXITY IN PLANT DEFENSE RESPONSE BY DGGE ANALYSIS
17.	29KSC0910	GENOTOXICITY SCREENING OF SUCCESSIVE EXTRACTS OF <i>ALYSICARPUS VAGINALIS</i> VAR. <i>NUMMULARIFOLIUS</i> (DC.) MIQ
18.	29KSC0971	TAXONOMIC REVISION OF <i>SPERMACOCE</i> L. (RUBIACEAE) IN KERALA
19.	29KSC0973	METABOLOMIC AND GENOMIC MODULATION OF CHANG CELL LINES BY DIBUTYL PHTHALATES

POSTER PRESENTATION

Sl. No.	Register No.	Title of the Abstract
1.	29KSC0142	Regeneration of <i>Piper sarmentosum</i> Roxb. (Piperaceae) from the Andaman Islands through <i>in vitro</i> culture
2.	29KSC0153	GROWTH PROMOTION IN SHOOT CULTURES OF BAMBOO ó <i>DENDROCALAMUS LONGISPATHUS</i> BY A HOST SPECIFIC ENDOPHYTIC BACTERIA

3.	29KSC0157	DIVERSITY, GENOME CLASSIFICATION, PEST STATUS AND GENETIC POLYMORPHISM OF <i>MUSA</i> CULTIVARS IDENTIFIED IN CHITTAR PANCHAYAT OF PATHANAMTHITTA DISTRICT
4.	29KSC0170	INFLUENCE OF ORGANIC FERTILIZERS ON THE GROWTH OF <i>SOLANUM LYCOPERSICUM</i>
5.	29KSC0209	ALTITUDINAL EVALUATION OF EXO- -1,4-GLUCANASE AND PROTEASE ACTIVITIES IN <i>ACTINOMYCETES</i> STRAINS BY ACTIVITY SCREENING
6.	29KSC0249	STUDY ON THE EFFECTS OF FOLIAR APPLICATION OF SALICYLIC ACID ON FLAVONOID PRODUCTION IN <i>Zingiber officinale</i> Rosc.
7.	29KSC0286	Application of computer aided drug discovery on VP 40 matrix protein of Ebola virus
8.	29KSC0358	INFLUENCE OF HEAVY METAL POLLUTION ON THE ANTIOXIDANT ENZYME ACTIVITY IN ANABAS TESTUDINEUS COLLECTED FROM PERIYAR RIVER AT ERNAKULAM DISTRICT AND THE RECOVERY RESPONSES IN POLLUTION FREE WATER.
9.	29KSC0509	ON GERMPLASM CONSERVATION OF ANDAMAN & NICOBAR ENDANGERED ENDEMICIS OUTSIDE THE ISLANDS
10.	29KSC0512	SYNERGISTIC EFFECTS OF THREE BIOACTIVE COMPOUNDS AGAINST INFLAMMATION IN OX-LDL INDUCED MONOCYTES
11.	29KSC0580	SELECTIVE KILLING OF HUMAN CHRONIC MYELOGENOUS LEUKEMIC CELLS BY A BIOACTIVE FRACTION ISOLATED FROM LEAVES OF THE AYURVEDIC MEDICINAL PLANT <i>Tridax procumbens</i>
12.	29KSC0581	ENHANCEMENT OF DEMETHOXYCURCUMIN MEDIATED CELL DEATH BY THE CHECKPOINT KINASE INHIBITOR PD 407824 IN K562 LEUKEMIC CLL LINE ó A PRELIMINARY REPORT
13.	29KSC0587	DELAYED ONSET OF LEARNING AND MEMORY IN POST-DAUER <i>Caenorhabditis elegans</i>
14.	29KSC0615	REPRODUCTIVE BIOLOGY OF <i>APONOGETON APPENDICULATUS</i> V. BRUGGEN (APONOGETONACEAE) - AN ENDEMIC SPECIES OF SOUTHERN WESTERN GHATS
15.	29KSC0648	GLOBAL CLIMATE CHANGE VERSUS THERMODYNAMIC FEASIBILITY OF MINERAL DEPOSITION: EMPIRICAL STUDIES ON BIOMINERALIZATION AND SHELL FORMATION AMONG TROPICAL AQUATIC MOLLUSCS
16.	29KSC0710	Morphology, Distribution and Structure of Floral Trichomes in <i>Coccinia grandis</i> (L.) Voigt (Cucurbitaceae).

17.	29KSC0731	EFFECT OF CYTOKININS ON TISSUE CULTURE STUDIES IN <i>Plumbago auriculata</i>
18.	29KSC0749	GROWTH PROMOTING AND BIOCONTROL ACTIVITY OF RHIZOSPHERE BACTERIAL ISOLATES
19.	29KSC0753	PHYTOCHEMICAL ANALYSIS OF A MEDICINAL ORCHID <i>SEIDENFIA RHEEDII</i> (SW.)SZLACH.
20.	29KSC0762	PHYTOCHEMICAL SCREENING AND GC-MS STUDIES OF <i>SYZYGIUM DHANESHIANA</i> LEAF AND BARK EXTRACTS
21.	29KSC0789	<i>IN VITRO</i> ANTIOXIDANT AND ANTIBACTERIAL ACTIVITIES OF AQUEOUS EXTRACTS OF ARTOCARPUS HETEROPHYLLUS FRUITS
22.	29KSC0887	ISOLATION AND IDENTIFICATION OF SEED-BORNE FUNGI FROM ANASWARA VARIETY (V. UNGUICULATA SESQUIPEDALIS (L.)VERDCOURT)
23.	29KSC0892	ANTI-INFLAMMATORY ACTIVITY OF ROOT EXTRACT OF <i>NAREGAMIA ALATA</i> W&A6 AN <i>IN-VITRO</i> STUDY
24.	29KSC0972	A TAXONOMIC REVISION OF THE CLEOME L. (CLEOMACEAE) IN KERALA
25.	29KSC0974	STUDIES ON INFLORESCENCE MORPHOLOGY OF THE GENUS <i>MURDANNIA</i> ROYLE (COMMELINACEAE) IN INDIA.
26.	29KSC0981	SURVEY AND IDENTIFICATION OF BANANA NEMATODES IN KONDOTTY TALUK OF MALAPPURAM DISTRICT, KERALA
27.	29KSC0992	GUT MICROBES- IDENTIFICATION AND ENZYMES ANALYSIS IN <i>PILA GLOBOSA</i> - A NOVAL STUDY

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Subject Code: 10

Subject Area: Mathematical & Statistical Sciences

BEST PAPER AWARD

Sl. No.	Register No.	Title of the Abstract
1.	29KSC0034	ON A QUEUEING-INVENTORY SYSTEM WITH POSTPONED WORK, RESERVATION, CANCELLATION AND COMMON LIFE TIME
2.	29KSC0997	ON TRIANGLE-IRREDUCIBLE ANTI-GALLAI GRAPHS AND THEIR ROOT GRAPHS

ORAL PRESENTATION

Sl. No.	Register No.	Title of the Abstract
1.	29KSC0085	GROUP OF HOMEOMORPHISMS AND MAXIMAL SUBGROUPS OF THE SYMMETRIC GROUP
2.	29KSC0228	CONVEXITY PARAMETERS OF SIERPIŃSKI GRAPHS
3.	29KSC0317	A STATISTICAL STUDY ON HYPOTHYROIDISM AMONG PERSONS WITH METABOLIC SYNDROME WITH SPECIAL REFERENCE TO CENTRAL TRANVANCORE OF KERALA
4.	29KSC0775	STRESS-STRENGTH RELIABILITY OF COMPOUND EXPONENTIAL DISTRIBUTION AND ITS APPLICATIONS

POSTER PRESENTATION

Sl. No.	Register No.	Title of the Abstract
1.	29KSC0240	FG-COUPLED FIXED POINT THEOREMS FOR CONTRACTIVE AND GENERALIZED QUASI-CONTRACTIVE MAPPINGS
2.	29KSC0241	FG- COUPLED FIXED POINT THEOREMS IN CONE METRIC SPACES
3.	29KSC0243	MODELING OF TERMINAL EVENTS IN CANCER SURVIVAL DUE TO NON-PROPORTIONAL HAZARDS
4.	29KSC0350	ITERATIVE DIFFERENTIAL QUADRATURE ALGORITHMS FOR MODIFIED BURGERS' EQUATION
5.	29KSC0467	EMPOWERING WOMEN THROUGH INDIAN INTELLECTUAL TRADITIONS OF VEDIC MATHEMATICS- A STUDY CONDUCTED AMONG THE SELF HELP GROUPS OF KERALA

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Subject Code: 11

Subject Area: Physical Science

BEST PAPER AWARD

Sl. No.	Register No.	Title of the Abstract
1.	29KSC0200	STRUCTURAL STUDIES OF LARGE MOLECULE UNDER ELECTRON IMPACT WITH DELAYED EXTRACTION TIME OF FLIGHT MASS SPECTROMETRY
2.	29KSC0395	Observation of short ferromagnetic interactions and magneto caloric effect in cobalt substituted $Gd_5Si_2Ge_2$
3.	29KSC0639	Temperature shielding effect of ZnO nano particle on different roofing material s
4.	29KSC0861	HETEROJUNCTION DEVICES USING EPITAXIALLY GROWN ZNO NANORODS BY SIMPLE SOLUTION PROCESSING
5.	29KSC0953	PHOTOGENERATION STUDIES AT P(EDOT-FL) : PCBM INTERFACE FOR USING AS PHOTOREFRACTIVE POLYMER

ORAL PRESENTATION

Sl. No.	Register No.	Title of the Abstract
1.	29KSC0086	LOW COST DIELECTRIC INK BASED ON NATURAL SILLIMANITE FOR PRINTED ELECTRONIC APPLICATIONS
2.	29KSC0117	RADIOMETRIC MEASUREMENTS OF GRANITE AND BRICK SAMPLES COLLECTED FROM KOLLAM DISTRICT.
3.	29KSC0129	ZAKHAROV-KUZNETSOV EQUATION IN A MAGNETIZED FIVE COMPONENT COMETARY PLASMA WITH KAPPA DESCRIBED ELECTRONS AND NONEXTENSIVE PAIR IONS
4.	29KSC0134	SYNTHESIS AND CHARACTERIZATION OF COPPER DOPED TIN SULFIDE ($SnS:Cu$) THIN FILMS THROUGH SPRAY TECHNIQUE: IMPORTANCE OF CATIONIC PRECURSOR MOLARITY
5.	29KSC0135	ITO/ZnO/P3HT:PCBM/Ag SOLAR CELL PREPARED IN OPEN AIR CONDITION: EFFECT OF AIR ANNEALING
6.	29KSC0294	Fluorescence Spectroscopy for WATER quality Analysis
7.	29KSC0303	ANOMALOUS MAGNETIZATION RESPONSES IN A LOW TEMPERATURE TYPE-II SUPERCONDUCTOR, $Ca_3Rh_4Sn_{13}$

8.	29KSC0348	ROOM TEMPERATURE PHOTOLUMINESCENCE EMISSION STUDY OF VACUUM DEPOSITED ANTIMONY TRIOXIDE THIN FILM
9.	29KSC0559	EFFECT OF ACIDIC AND ALKALINE ENVIRONMENT ON THE PHOTOCATALYTIC DEGRADATION OF CATIONIC AND ANIONIC DYES IN THE PRESENCE OF BATIO ₃ NANO PARTICLES.
10.	29KSC0603	Spectroscopic, DFT and molecular dynamics investigation of 1-(3-Chloro-4-fluorophenyl)-3-[3-(trifluoromethyl) phenyl] thiourea
11.	29KSC0605	Spectroscopic Analysis, NLO, MEP and Molecular Docking Studies Of 4-Chloro-3-Methyl Phenyl Quinoline-2 ó Carboxylate
12.	29KSC0779	STUDY OF EXHALATION RATES OF RADON AND THORON FROM COASTAL AREAS OF KOLLAM DISTRICT, KERALA , INDIA
13.	29KSC0790	SYNTHESIS OF HYDROTHERMALLY REDUCED GRAPHENE OXIDE AND ITS LUMINESCENT BEHAVIOUR
14.	29KSC0855	INVESTIGATION OF NEUTRON SHELL STABILIZING EFFECT VIA FUSION EVAPORATION RESIDUE CROSS SECTION MEASUREMENTS
15.	29KSC0864	DOPING EFFECTS ON THE REACTIVELY EVAPORATED AgInSe ₂ THIN FILMS
16.	29KSC0889	LUMINESCENCE PROPERTIES OF Pr DOPED ZnO NANOPARTICLES
17.	29KSC0929	COST EFFECTIVE, ROD-COATED PEDOT: PSS/CNT FLEXIBLE FILM FOR OPTOELECTRONIC APPLICATIONS
18.	29KSC1024	ECO-FRIENDLY SYNTHESIS, STRUCTURAL AND PHOTOLUMINESCENT STUDIES OF ZnO:Dy ³⁺ NANOPHOSPHORS FOR SOLID STATE LIGHTING APPLICATIONS
19.	29KSC1043	PROPERTIES OF HIGHLY CONDUCTING COPPER GALLIUM SELENIDETHIN FILMS PREPARED BY THERMAL EVAPORATION

POSTER PRESENTATION

Sl. No.	Register No.	Title of the Abstract
1.	29KSC0016	MEASUREMENT OF NATURAL RADIOACTIVITY ANDASSESSMENT OF ASSOCIATED RADIATION HAZARDS IN SOIL SAMPLES ALONG THE COASTAL REGIONS OF NEENDAKARA,KOLLAM DISTRICT
2.	29KSC0064	STRUCTURAL AND MAGNETIC PROPERTIES OF Cu _{1-x} Mg _x Fe ₂ O ₄ NANOPARTICLES PREPARED BY HYDROTHERMAL METHOD

3.	29KSC0084	MAGNETIC STUDIES OF NICKEL FERRITE NANOPARTICLES PREPARED BY SPRAY PYROLYSIS METHOD
4.	29KSC0141	TRANSITION TEMPERATURE OF HEAVY QUARKONIA USING MAYER'S CLUSTER EXPANSION METHOD
5.	29KSC0169	EFFECT OF LIGHTER AND HEAVIER PAIR IONS ON SOLITARY WAVES IN A SIXCOMPONENT PLASMA
6.	29KSC0210	CHARACTERIZATION OF NiWO ₄ NANOPARTICLES SYNTHESIZED BY CHEMICAL PRECIPITATION
7.	29KSC0242	RADON AND THORON LEVELS IN COASTAL BELT OF PONNANI, MALAPPURAM 6AN INITIAL REPORT
8.	29KSC0311	STUDY OF AC ELECTROLUMINESCENCE OF (ZnS,CuO) NANOCOMPOSITE DOPED WITH Mn, Sr AND Cl
9.	29KSC0485	GROWTH AND CHARACTERIZATION OF -MoO ₃ NANORODS FOR SENSING APPLICATIONS
10.	29KSC0608	FT-IR, FT-Raman, MEP, NLO Analysis and Molecular Docking Study of (E)-1-(1,3-benzodioxol-5-yl)-4,4-dimethylpent-1-en-3-one
11.	29KSC0716	OPTICAL LIMITING AND THERMAL LENSING OF POLYMER STABILIZED SILVER NANOPARTICLES
12.	29KSC0842	Crystal structure of B site ordered BaANaTeO ₆ (A=Bi, La) and ALaLiTeO ₆ (A=Ba, Sr) Dielectric Ceramics
13.	29KSC0851	DIELECTRIC AND STRUCTURAL STUDIES OF PURE AND La DOPED BARIUM TITANATE CERAMICS
14.	29KSC0871	A STUDY ON THE THORON SOURCE TERM DISTRIBUTION IN THE MONAZITE DEPOSIT AREAS OF COASTAL KERELA, INDIA
15.	29KSC0873	Distribution of indoor Radon and Thoron progeny levels at Chellanam in Kerala
16.	29KSC0906	MERCURY ION SENSING OF DIFFERENT WATER SOURCES USING RHODAMINE 6G-GOLD NANOPARTICLE HYBRIDS
17.	29KSC0913	FLUOROMETRIC DETECTION OF MERCURY IONS USING SILVER NANOPARTICLE INCORPORATED MESOPOROUS SILICA
18.	29KSC0918	RARE EARTH DOPED CERIA ELECTROLYTE FOR INTERMEDIATE TEMPERATURE SOLID OXIDE FUEL CELLS
19.	29KSC0937	Synthesis and characterization of Eu ³⁺ doped Ba ₂ CaWO ₆ phosphor
20.	29KSC0947	Spectroscopic characterization of Sr _{0.5} Ca _{0.5} TiO ₃ : Eu ³⁺ phosphor dispersed in alkali fluoroborate glassy matrix
21.	29KSC1020	EFFECT OF CHANGES IN THE RUNDOWN MASS OF THE IMF ON ESTIMATES OF THE SFR
22.	29KSC1021	Luminescence studies of near white light emitting Ca ₅ Zn ₄ (V _{1-x} Nb _x O ₄) ₆ phosphors

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Subject Code: 12 Subject Area: Science Education, Communication & Society

BEST PAPER AWARD

Sl. No.	Register No.	Title of the Abstract
1.	29KSC0180	DIETARY PRACTICES AND NUTRIENT ADEQUACY IN THE DIET OF TYPE II DIABETES PATIENTS
2.	29KSC0232	INSTITUTIONALISATION OF LABOUR THROUGH LABOUR BANKS: IMPACT ON THE RICE FARMING SECTOR IN KERALA

ORAL PRESENTATION

Sl. No.	Register No.	Title of the Abstract
1.	29KSC0020	TRAINING NEED ANALYSIS OF VETERINARY OFFICERS OF THE DEPARTMENT OF ANIMAL HUSBANDRY
2.	29KSC0022	TRAINING NEED ANALYSIS OF VETERINARY UNIVERSITY FACULTY
3.	29KSC0274	TEAK MUSEUM AT KFRI SUB CENTRE, NILAMBUR AS A DESTINATION FOR PROMOTING SCIENCE EDUCATION AND CONSERVATION AWARENESS AMONG THE STUDENTS AND SOCIETY
4.	29KSC0396	EXAMINATION OF NECK CIRCUMFERENCE AS A TOOL TO ASSESS METABOLIC SYNDROME
5.	29KSC0399	PROXIMATE COMPOSITION OF A SMALL INDIGENOUS FOOD FISH OXYURICHTHYS TENTACULARIS, GOBIIDAE (VALENCIENNES, 1837) FROM ASHTAMUDI LAKE-KERALA
6.	29KSC0927	SUSTAINABILITY TRANSITIONS IN-THE-MAKING : EXPLORING EMERGING SOCIO-TECHNICAL SYSTEMS OF URBAN VEGETABLE GARDENING IN THIRUVANANTHAPURAM

POSTER PRESENTATION

Sl. No.	Register No.	Title of the Abstract
1.	29KSC0013	AN INVESTIGATION ON THE INFLUENCE OF GEOGRAPHICAL METAMORPHOSIS ON ðGEOGRAPHYøø OF

		SECONDARY AND HIGHER SECONDARY SCHOOL CURRICULUM
2.	29KSC0455	PRODUCTION POTENTIALS OF YARD LONG BEAN UNDER POLY HOUSE STRUCTURE IN KERALA
3.	29KSC0549	NATURAL RADIATION HOTSPOTS OF MANAVALAKURICHI, TAMILNADU
4.	29KSC0921	AN ECO-FRIENDLY SIMPLE TECHNOLOGY FOR MANAGING KITCHEN WASTE