



## **CONFERENCE SCHEDULE**

**ICST 2018**  
**International Conference on**  
**Science and Technology**  
*(Under TEQIP Phase III)*

**23 - 25 April, 2018**

**Organized by**  
Division of Applied Sciences & Humanities,  
School of Engineering,  
Cochin University of Science and Technology, Kochi-22, India

[Website: icst2018.cusat.ac.in](http://icst2018.cusat.ac.in)

## **INSTRUCTION TO THE PARTICIPANTS**

- **Participants bring your Paper ID for reference.**
- **Participants should carry a valid ID card.**
- **Participants are required to the registration form at the registration desk.**
- **Prepare for 10 minutes of oral presentation and 5 minutes of discussion.**
- **Presentation slides are to be submitted at registration desk.**

**Organizing Committee  
ICST 2018**

## Conference: Day 1

April 23, Monday (Morning)

VENUE: SEMINAR COMPLEX, CUSAT

08:30-09:00	<b>Arrival and Registration</b>	
09:00-09:30	<b>Opening Remarks</b>	
		<b>Chief Guest:</b> Prof. Dr. J. Letha Hon'ble Vice Chancellor, CUSAT
		<b>Presidential Address:</b> Prof. Dr. P.G. Sankaran Hon'ble Pro Vice Chancellor, CUSAT
09:30-10:00	Photo Session Followed by Coffee break	
10:00-11:30		<b>Prof. Dr. C.P. Lim</b> Professor of Complex Systems Department of Inst Intelligent Sys. Res., Deakin University Australia Contact: chee.lim@deakin.edu.au
11:30-01:00		<b>Prof. Dr. P. Balasubramaniam</b> Department of Mathematics Gandhigram Rural University, Tamil Nadu Contact: balugur@gmail.com
01:00-02:00	Lunch Break	
<b>DAY 1: 23-04-18 (AN)</b> <b>Seminar Hall</b>		
02:00-03:30		<b>Prof. Dr. B.R. Shankar</b> Department of Mathematical & Computational Sciences, National Institute of Technology, Surathkal, India Contact: hodmacs@nitk.ac.in
03:30-03:45	Coffee break	

03:45-05:30		Paper Presentation Session 1	
<b>DAY 1: 23-04-18</b> <b>Track 1 (MC) (03:45-05:30)</b> <b>Venue: Executive Hall</b>			
Sl. No	Paper ID	Paper Name	Author(s)
1	ICST20180149	Solving Multi-Objective Fractional Transportation Problem with Fuzzy Parameters	Anukokila P and Anju Antony
2	ICST20180106	Classic and Non-classic Interval Valued Fuzzy Graphs	Deepthi Mary Tresa S, Divya Mary Daise S and Shery Fernandez
3	ICST2018108	Algebra of Morphological Filter on Intuitionistic Fuzzy Hypergraphs With application in Summarization of Documents	Dhanya Pm, Sreekumar A, Jathavedan M and Ramkumar Pb
4	ICST2018127	Study Of Consumer Choice Under Uncertainty and Risk Using Fuzzy Techniques	Bernard K A
5	ICST2018139	Algebraic structure of Fuzzy soft sets	Anju S Mattam and Dr. Sasi Gopalan
6	ICST20180154	A comparative study of efficiency of Neural Networks in failure prediction of IoT sensors	Anu Adison and Vinod Kumar PP
7	ICST20180141	Properties of Hexagonal Tile local and xyz-local series	Jaya Abraham, Anitha P and Dersanambika K.S.
8	ICST20180143	Object Identification and Process Planning using Adaptive Neuro-Fuzzy Systems	Vinod Kumar P P, Femy N S and Paulose Jacob
<b>DAY 1: 23-04-18</b> <b>Track 2 (GE) (03:45-05:30)</b> <b>Venue: Committee Hall</b>			
Sl. No	Paper ID	Paper Name	Author(s)
1	ICST20180191	An Analysis of Association between Physical Environment and Pain Experienced by the Welders Employed in Industrial Fabrication Units	Mahesh Rengaraj .R
2	ICST20180192	Risk estimation of LPG Bullet Tank using Fuzzy bow tie methodology	Sarath Winstun Aravind
3	ICST20180193	Human and Environment Vulnerability Mapping of an Industrial City in Kerala, India for Better Disaster Mitigation	Karthik Rajeev
4	ICST20180194	A Study on Association between Physical Environment and Pain Experienced by the Manual Arc Welders Employed in Fabrication Industry	Mahesh Rengaraj .R
5	ICST20180217	RECOMMENDATION OF OPTIMUM PROCESS PARAMETERS FOR THE MILLING OF CARBON STEEL USING TAGUCHI	Abhijith P.S

ANALYSIS			
6	ICST20180197	Operational Risk Assessment framework for Managing risks at MAH installations	Vivek V P
7	ICST20180209	FIRE RISK ANALYSIS OF AN INDUSTRIAL PLANT TO DEVELOP A DESIGN TOOL BASED ON ECONOMIC COST OF FIRE	Alen Abraham and Anish Job Kurian
8	ICST20180211	STRATEGIC PLANNING FOR EFFICIENT EVACUATION SYSTEM IN HOSPITALS	Abhijith M R and Anish Job Kurian

**DAY 1: 23-04-18**

**Track 3 (EE) (03:45-05:30)**

**Venue: Reception Hall**

Sl. No	Paper ID	Paper Name	Author(s)
1	ICST20180203	An Asymmetric Coplanar Strip fed spiral antenna with non-uniform arm width for catheter application	Chippy K Babu, Mridula S, Reshma Lakshmanan and P Mohanan
2	ICST20180104	HARMONIC ANALYSIS OF SINGLE PHASE INVERTER USING DIFFERENT CONTROL TECHNIQUES	Arun Gopan and Muhamed Noufal C
3	ICST20180107	Effects of Series Compensation on Distance Protection of High Voltage Transmission Lines under Fault Condition	Anjali Purihit and Vijay Gohokar
4	ICST20180157	Solar Power Plant Reliability Incorporating Solar Insolation Availability	Elezabeth Paul and Shouri P V
5	ICST20180167	Study of Factors Affecting Reactive Power Loss in a Metro Rail System	Bhagyalakshmi R and Dr.James K C
6	ICST20180168	Layer of Protection Analysis to Determine Reliable Operation of Microgrids with SPV Generation	Vinod V Nair and Usha Nair
7	ICST20180204	Stability Enhancement of Grid Connected PV System Using Energy Storage	Sanju Hussain and Devanand C N

**DAY 1: 23-04-18**

**Track 4 (AST) (03:45-05:30)**

**Venue: Seminar Hall**



Sl. No	Paper ID	Paper Name	Author(s)
1	ICST20180101	Effect of rotation speed of solvent on laser ablated gold nanoparticles	Jessy Simon
2	ICST20180166	SCALING AND CLASSIFICATION OF MEDICAL DATA: A REVIEW	Femina Rasheed and Mohammed Siyad B
3	ICST20180196	Structural and optical properties of Polymer/ceria nanocomposites	Dr.Dhannia T.
4	ICST20180206	Fuzzy-Logic Based Predictive Model for Plastic Pyrolysis	Reshma Ravi and Dr. G Madhu
5	ICST20180229	Structural, optical and magnetic properties of ceria thin films prepared by spray pyrolysis technique	Dr.Dhannia T.
6	ICST20180233	Bringing Molecular Imaging from Bench to Bedside	Lakshmi Kesari, Engi Maher, Bashayer Muhammed, Sreedhar

			<b>Sreekumar Kesari and Drishya Viswam</b>
<b>07:00-08:00</b>	<b>Cultural Programs</b>	<b>Chair: Dr. A.B Basi</b>	
<b>08:00-09:00</b>	<b>Conference Dinner</b>	<b>Chair: Dr. Shelbi Joseph &amp; Dr. V.R. Renjith</b>	

## Conference: Day 2


April 24, Tuesday (Morning)

VENUE: SEMINAR HALL, CUSAT, Seminar Complex

09:00-10:30		<p><b>Prof. Dr. Sanjeewa PERERA</b>                  Research &amp; Development Centre for Mathematical Modeling                  Department of Mathematics, University of Colombo                  SRI LANKA                  Contact: <a href="mailto:ssnp@maths.cmb.ac.lk">ssnp@maths.cmb.ac.lk</a></p>	
10:30-10:45	Coffee Break		
10:45-11:30		<p><b>Prof. Dr. PG Sankaran</b>                  Department of Statistics &amp;                  Hon'ble Pro Vice Chancellor,                  CUSAT, India                  Contact: <a href="mailto:sankarapg@yahoo.com">sankarapg@yahoo.com</a></p>	
11:30-01:00	Paper Presentation Session 2		
<p><b>DAY 2: 24-04-18</b>  <b>Track 1 (MC) (11:30-01:00)</b>  <b>Venue: Executive Hall</b></p>			
Sl. No	Paper ID	Paper Name	Author(s)
1	ICST20180136	A mathematical Analysis of Topology Optimization in 3D-printing	Femy N S
2	ICST20180109	Recent advancements in Artificial Bee Colony(ABC) algorithm: A survey	Kritika Sharma
3	ICST20180111	Survey on Grey wolf Optimizer	Shivani Sharma
4	ICST20180170	A SINGLE PRECISION FLOATING POINT ARITHMETIC UNIT ARCHITECTURE BASED ON REVERSIBLE LOGIC	Athira Anilan and Sreelekshmy S
5	ICST20180147	Feature selection using Ant Colony Optimization- A review on heuristic information measurement	Leena Chandrasekhar, Vijayakumar R and Sabu M K
6	ICST20180210	BALANCED HYPERCUBES	Cinderella T J and Sasi Gopalan
7	ICST20180221	Review on the Lattice of L-Topologies	Pinky Pinky
8	ICST20180225	NORMAL CATEGORY OF COMPLETELY REGULAR SEMIGROUPS	P. G. Romeo P. G. Romeo and Siji Michael
9	ICST20180226	Marshall-Olkin Weibull Truncated Negative Binomial Distribution and its Applications Bindu Krishnan and Dais George	Bindu Krishnan
10	ICST20180234	ON DISCRETE DISTRIBUTIONS GENERATED THROUGH MITTAG-	Mariamamma Antony

		LEFFLER FUNCTION AND THEIR PROPERTIES	
<b>DAY 2: 24-04-18</b> <b>Track 2 (GE) (11:30-01:00)</b> <b>Venue: Committee Hall</b>			
Sl. No	Paper ID	Paper Name	Author(s)
1	ICST20180133	PREDICTION OF BEHAVIOUR OF STEEL BEAM-COLUMN JOINT WITH PRETENSIONED BOLT CONNECTORS	Aarsha Balan Balan and Manju George
2	ICST20180134	Groundwater Analysis using GIS based Geostatistical Methods: A Review	Fehmida Fatima S and Bindu A G
3	ICST20180151	Impact Study on Concrete Columns Confined by GFRP Tube and Steel Isotruss Reinforcement	Anitha Kurian and Vidya Vijayan
4	ICST20180158	EXPLICIT DYNAMIC BEHAVIOUR OF LIGHT WEIGHT HIGH PRESSURE STORAGE TANKS	Umaiba K U and Manju George
5	ICST20180165	Analytical Study On The Behavior Of Hybrid Steel Trussed Concrete Deep Beam	Chinju Alias and Vidya Vijayan
6	ICST20180169	Evaluation of Torsional Buckling for Beam Structures	Archana Maria Thankachan and Anna M Thomas
7	ICST20180173	NON-LINEAR OUT OF PLANE BEHAVIOR OF STEEL PLATES WITH CUTOUTS UNDER COMPRESSIVE LOADS	Meera Joy and Deepthy Varkey
8	ICST20180178	Comparison of Base Isolation Techniques for Reducing Seismic Vulnerability of Elevated Steel Silos	Reshma Roy and Divya P Paul
9	ICST20180237	Experimental study and numerical simulation of pressurized high-rise building	Saleel A
<b>DAY 2: 24-04-18</b> <b>Track 3 (EE) (11:30-01:00)</b> <b>Venue: Reception Hall</b>			
Sl. No	Paper ID	Paper Name	Author(s)
1	ICST20180110	Multi-Carrier Differential Chaos Shift Keying: A Robust Modulation Scheme For Secure Power-Line Communications	Geethu P R and Sruthi P
2	ICST20180132	COMPARISON OF PATH LOSS MODELS OF 28 GHz AND 73 GHz MILLIMETER WAVE FREQUENCIES	Archana R Nair and Sindhu V
3	ICST20180142	LINEAR PHASE FREQUENCY RESPONSE MASKING BASED FILTER FOR SOFTWARE DEFINED RADIO	Hani Mol A A and Prameela B
4	ICST20180145	Survey On Mobile Fronthaul Over Latency Optimized Optical Networks	Anju Jose and Prasanth P Menon
5	ICST20180153	BINARY- SWITCH FOR ANTENNA SELECTION IN MASSIVE MIMO	Sneha Sasi and Sindhu V



6	ICST20180156	AUTOMOTIVE TRACKING RADAR USING SOFTWARE DEFINED RADIO	Ashitha P R, Titu K Samson, Rakesh V, Rejoy Rebello, Keerthy Manoharan V, Limiya Kurian, Nigin G Kariatt, Seethal K R and Yadukrishnan
<b>DAY 2: 24-04-18</b> <b>Track 4 (AST) (11:30-01:00)</b> <b>Venue: Seminar Hall</b>			
Sl. No	Paper ID	Paper Name	Author(s)
1	ICST20180105	Dynamics of Two Strain Dengue Transmission with Hypothetical Vaccination Strategies	Sanjaya Ariyawansa, Indunil Madhusankha and Sanjeeva Perera
2	ICST20180130	TRIBOLOGICAL PROPERTIES OF RICEBRAN OIL BASED CUTTING FLUID	Vishnu V S, Abhijith B K Pillai, Rani S, Abhijith K S, Ajal Abraham, Vaishnu Y P and Muhammed Arif M
3	ICST20180128	REVIEW ON SURFACE COATING BASED ON ELECTROCHEMICAL TECHNIQUES	Vaishnu Y P, Rani S, Abhijith B K Pillai, Vishnu V S, Abhijith K S and Ajal Abraham
4	ICST20180190	Effect of annealing on the structural, optical and magnetic properties of cerium oxide nano-crystals	Dhannia T.
5	ICST20180201	QSPR/QSAR Study of Butane derivatives: A mathematical approach	Anjusha Asok and Joseph Varghese
6	ICST20180208	Prevalence and Molecular characterisation of the Dermatitis causing Acidfly insect in highland areas of Malappuram: An Approach Towards the Development of a Biocontrol agent.	Manjusha Sayd, Nashwa Moidu and Henna Fathima
7	ICST20180129	REVIEW ON : BIOMIMICKING IN ENGINEERING AND TRIBOLOGY	Abhijith K S, Dr.Rani S, Abhijith Pillai, Vishnu V S, Vaishnu Y P and Ajal Abraham
8	ICST20180228	A fuzzy-logic based decision-making approach for identification of Water quality and health risk assessment of river Periyar	Rajasree P R
01:00-02:00		Lunch Break	
<b>Conference : Afternoon April 24, 2018 (Tuesday)</b> <b>Venue: Seminar Hall, CUSAT, Seminar Complex</b>			
02:00-03:00		<b>Shri. Sushil Kumar</b> <b>Former President at Reliance Industries Ltd, India</b> <b>Contact: sushilkumar.ril@gmail.com</b>	
03:00-03:15	Coffee break		
03:15-05:00	Paper Presentation Session 3		



<p style="text-align: center;"><b>DAY 2: 24-04-18 (AN)</b></p> <p style="text-align: center;"><b>Track 1 (MC) (03:15-05:00)</b></p> <p style="text-align: center;"><b>Venue: Executive Hall</b></p>			
Sl. No	Paper ID	Paper Name	Author(s)
1	ICST20180124	SAFETY ENSURED SMART VEHICLE	Aiswarya Reji, Aneeta Maria Thomas and Anju Sunny
2	ICST20180181	Selective Region Processing using Run Length Features	Noufi Noushad, Lekshmi S and Sudheep Elayidom
3	ICST20180126	ATTRIBUTE BASED HIERARCHICAL CLUSTERING ALGORITHM FOR TRAFFIC DENSITY ANALYSIS	Suja Nair, Dr M Sudheep Elayidom Elayidom and Dr Sasi Gopalan Gopalan
4	ICST20180131	A POS Tagger for Malayalam using Conditional Random Fields	Ajees Ap and Sumam Mary Idicula
5	ICST20180150	Estimation of Vegetation Indices and Biomass by the Fusion of LiDAR data and Landsat Images in Mudumalai Forests of the Western Ghats, India.	Indu Indirabai
6	ICST20180152	Opening Based Interpose Spotting of Digital Images	Nisha Ab and Sasi Gopalan
7	ICST20180161	OBJECTIVE REPRESENTATION OF FLORAL COLOURS AND THEIR CHANGES OVER TIME	Athira Kakkara, Sooraj Nediya Parambath, Sajeev C Rajan and Jai Shanker Nair
8	ICST20180183	HIVE GAME : ALPHA-BETA HEURISTIC OPTIMIZATION	Aathira Manoj
9	ICST20180184	A STUDY ON DECOHERENCE IN A SINGLE QUBIT QUANTUM STATE BASED ON ENTROPY	Navya S L
10	ICST20180188	A REVIEW ON EDGE DETECTION TECHNIQUES USED IN IMAGE PROCESSING	Anjana Yesodharan and Reena Mary George
11	ICST20180223	An Efficient Machine Learning Algorithm for Unit Commitment Problem	P G Latha
<p style="text-align: center;"><b>DAY 2: 24-04-18 (AN)</b></p> <p style="text-align: center;"><b>Track 2 (GE) (03:15-05:00)</b></p> <p style="text-align: center;"><b>Venue: Committee Hall</b></p>			
Sl. No	Paper ID	Paper Name	Author(s)
1	ICST20180135	DEVELOPMENT OF A BIOLUBRICANT BY CHEMICAL MODIFICATION OF RICE BRAN OIL	Ajal Abraham, Dr. Rani S, Dr.Hashim M, Dr Muhammed Arif M, Abhijith Ks, Vishnu V S, Abhijith B K Pillai and Vaishnu Y P
2	ICST20180140	Numerical study on the flow characteristics of jets emanating from four lobed corrugated nozzles with varying lobe lengths	Kriparaj K G, Roy V Paul and Tide P S
3	ICST20180148	NUMERICAL STUDY ON THE EFFECT OF LEADING EDGE SHAPES ON THE FLOW CHARACTERISTICS OVER DELTA WINGS	Hredesh T and Tide P.S

4	ICST20180174	Design and Development of Pure Mechanical Solar Tracking System Using Double Acting Hydraulic Actuator	Nithin M Joy and Gireesh Kumaran Thampi B S
5	ICST20180176	NUMERICAL INVESTIGATIONS OF AIR-CORE VORTEX FORMATION IN A ROTATING DUAL PORT CYLINDRICAL TANK	Sooraj Pv and Joshy Pj
6	ICST20180236	Analysis of Steel Polyurethane Bridge Deck Using ANSYS	Aleesha Augustine
7	ICST20180179	NUMERICAL STUDY OF FLOW DEVELOPMENTS AROUND AN AIRFOIL WITH A RANGE OF BACKWARD STEPS	Radhika R, Tide Ps and Joshy PJ
8	ICST20180180	Three Dimensional Finite Element Optimization of Bead Shape Developed During TIG Welding of Mild Steel	Sumanlal M S, Sarin P and Joy Varghese V M
<b>DAY 2: 24-04-18 (AN)</b> <b>Track 3 (EE) (03:15-05:00)</b> <b>Venue: Reception Hall</b>			
Sl. No	Paper ID	Paper Name	Author(s)
1	ICST20180171	AREA EFFICIENT DPDSP DIVIDER, MULTIPLIER AND ADDER/SUBTRACTOR FOR LINEAR INTERPOLATION	Deepthi S and Noble G
2	ICST20180175	FPGA based BCD Adder/Subtractor design using a look up table	Sruthi Raj and Laila D
3	ICST20180187	Security attacks in protocol stack architecture for wireless sensor network	Vikrant Kumar and Namita Tiwari
4	ICST20180102	Multiple Input Bidirectional DC-DC Converter For DC motor Applications	Asha K A and Rakhee R
5	ICST20180199	COMMUNICATION: IN TODAY'S WORLD	Hemanta Dey and Surojit Roy
6	ICST20180155	Designing of Printed Monopole Antenna for Micro, Nano and Pico Satellites	Rajeshwari Shastri, Tushar Mehta and Kalpesh Chudasama
7	ICST20180205	Periodic Cluster Based Cell Zooming Algorithm for Energy Efficient Base Stations	Deepak Kumar and Tathagata Barik
5	ICST20180230	IoT Service Search using MQTT Protocol	Nihaala Najeeb and Dr.Shelbi Joseph
<b>03:15-04:00</b>		<b>Shri. Sushil Kumar (Interaction with Students - Parallel Session)</b>	

## Conference: Day 3

April 25, Wednesday (Morning)

VENUE: SEMINAR HALL, CUSAT, Seminar Complex

09:30-10:00		Prof. Dr. P.S Sreejith Dean Faculty of Engineering CUSAT, India Contact: pasreejith@hotmail.com	
10:00-10:30		Prof. Dr. G Madhu Head Department of Chemical Engineering CUSAT, India Contact: profmadhugopal@gmail.com	
10:30-10:45	Coffee Break		
10:45-01:00	Paper Presentation Session 4		
<p><b>DAY 3: 25-04-18</b></p> <p><b>Track 1 (MC) (10:45-01:00)</b></p> <p><b>Venue: Executive Hall</b></p>			
Sl. No	Paper ID	Paper Name	Author(s)
1	ICST20180162	An Inventory System with Service Facility, Poisson Arrival, Arbitrary Service times, Positive Lead times and Finite Waiting Space	Keerthana Murugan and Sivakumar Balasubramanian
2	ICST20180172	Analysis of an inventory system with Markovian arrival in Replaceable Items	Saranya N and Shophia Lawrence Arputham
3	ICST20180160	Analysis of cryptographic Algorithms Based on Vedic Mathematics	Lisha A and Thomas Monoth
4	ICST20180138	General Standard Sigmoid Networks and Predictive Modeling Elucidation through VC Dimension	Linu Pinto and Sasi Gopalan
5	ICST20180186	A SURVEY ON DCT BASED DIGITAL WATERMARKING TECHNIQUES	Geethika Balachandran and Rahulnath H.A
6	ICST20180200	Cheating Prevention in Active Digital Image Forensics based on Visual Cryptography Scheme	Jisha T E and Thomas Monoth

7	ICST20180207	An analysis on hybrid cryptographic approaches for information security	Neetha Francis and Dr.Thomas Monoth
8	ICST20180239	A Study of Digital Watermarking on Relational Databases for Ownership Proofing and Tamper Detection	Murugan R, Aravind Mj and Dr. John T Abraham

**DAY 3: 25-04-18**

**Track 2 (GE) (10:45-01:00)**

**Venue: Committee Hall**

Sl. No	Paper ID	Paper Name	Author(s)
1	ICST20180227	Road safety analysis using multi-criteria approach: A case study in a Metro City (Kochi).	V N Yadhunandan
2	ICST20180215	Measurement of muscle fatigue stress in construction workers using Rodger's Analysis	Garima Arya
3	ICST20180216	EVALUATION OF BOARD COUPLED SHAFT GEOMETRY TO IMPROVE SMOKE EXTRACTION EFFICIENCY IN A TUNNEL FIRE	Muhammed Shafi K U and Anish Job Kurian
4	ICST201801195	RISK QUANTICATION OF MIXER UNIT IN PROPELLANT PROCESSING PLANT USING BOWTIE ANALYSIS	Sreejesh K
5	ICST201801224	Application of Central Composite Design for the optimization of diesel oil degradation by bacteria in a biofilm bioreactor	Sugumar R and Dr Preethy Chandran
6	ICST20180231	EFFECT OF ROTATION ON AIR CORE VORTEX FORMATION IN TANKS OF DIFFERENT CROSS SECTION	Joshy P J
7	ICST20180232	EFFECT OF ELLIPTICAL PORT ON DRAINING IN A CYLINDRICAL TANK	Joshy P J
8	ICST20180177	NUMERICAL ANALYSIS OF AERODYNAMIC CHARACTERISTICS OF HANG GLIDER	Don P Jose and Tide Ps

**DAY 3: 25-04-18**

**Track 4 (AST) (10:45-01:00)**

**Venue: Seminar Hall**

Sl. No	Paper ID	Paper Name	Author(s)
1	ICST20180218	EFFECT OF SALT STRESS ON ANTIOXIDANT SYSTEM IN RICE VARIETIES FROM POKKALI RICE SYSTEM	Lins Simon
2	ICST20180144	Thermohaline variability in the Arabian Sea and Bay of Bengal: A basin scale approach	Anoopa Prasad C and P V Hareesh Kumar
3	ICST20180146	Salinity variability in the Bay of Bengal associated with Indian Ocean Dipole	Anoopa Prasad C and P V Hareesh Kumar
4	ICST20180198	Studies on Biological Characterization of the protein derived peptides from Panulirus homarus : An Approach Towards the Development of a Antihypertensive peptide for Nutraceutical Industry.	Greeshma Aravind, Jasna K, Manjusha Sayd, Manju M and Elyas Kk
5	ICST20180202	Studies on Biological Characterization with Special Reference to Antioxidant Activity in	Sumayya T K, Zahara Batul T V,

		Selected Crustaceans : An Approach Towards the Development of a Nutraceutical Industry	Anagha U Nair, Manjusha Sayd and Greeshma Aravind
6	ICST20180219	Relative expression of putative Az-AMT1 in Azolla-Anabaena azollae symbiotic system under elevated CO <sub>2</sub> and nitrogen limiting conditions	Aparna M B
7	ICST20180220	Characterization of PR1 protein from Kayma, a traditional rice cultivar, in response to R. solani	Showmy K.S.
8	ICST20180222	Comparative analysis of rhizome extracts composition of twenty Curcuma species from South India	Santhoshkumar R
01:00-02:00	Lunch Break		
<p><b>Conference: Evening April 25, 2018 (Wednesday)</b></p> <p><b>Venue: Seminar Hall, CUSAT, Seminar Complex</b></p>			
02:00-03:00	Valedictory Function and Certificate Distribution		