



Schedule of the National Seminar on Environmental Status of Estuarine and Coastal Ecosystems in India, ECEI-2019

	14.03.2019 Thursday	
<i>Time</i>	<i>Program</i>	<i>Speaker</i>
09.00 am	Registration	
10.00 am	Inauguration	
10.30 am	Tea break	
10.45 am	Introducing ECSA : Become a member!!	Prof. Dr. Salom Gnana Thanga.V , ECSA Ambassador, India.
11.00 – 11.45 am	Keynote address 'The UNESCO estuarine ecohydrology model: applications to the Guadiana Estuary, Portugal, Darwin Harbour, Australia, Chilika lagoon, India, Wami Estuary, Tanzania, Laizhou Bay, China, The Great Barrier Reef, Australia.'	Prof. Eric Wolanski , Adjunct Professor, James Cook University (KSHEC-Erudite Scholar)
	Session 1	
11.50 – 01.00 pm	Biogeochemistry and Green house gas production Chair : Prof. Dr. Sabu Joseph , Dept. of Environmental Sciences, University of Kerala	
11.50 am - 12.00 pm	(OP01) Methane in coastal Arabian sea off Kochi, South West India.	George Thomas and Zachariah E.J. Catholicate college, Kerala



12. 00- 12. 10 pm	(OP02) Nutrient biogeochemistry of Gautami-Godavari mangrove ecosystem, Andhra Pradesh.	Karuna Rao , Namrata Priya, AL. Ramanathan, JNU, New Delhi
12. 10- 12.20 pm	(OP03) Environmental monitoring of water and sediment quality parameters in the backwaters around Willington island.	V. Arun , Sibin Antony, Vinu V. Dev, Harsha Mahadevan, Sandhya Sudhakaran, K. Anoop Krishnan, NCESS, Kerala
12.20 – 12.30 pm	(OP04) Ocean lagoon water and plankton exchange in tiny coral atoll Kavaratti Island, Lakshadweep archipelago India.	Sibin Antony , V. Arun, Vinu V. Dev, Harsha Mahadevan, Sandhya Sudhakaran, K. Anoop Krishnan NCESS, Akkulam, Kerala
12.30 - 12.40 pm	(OP05) Nitrogen fixation in the sediments of a tropical estuary: role and diversity of sulfate reducing bacterial communities.	Jabir T. , Jesmi Yousuf., Mohamed Hatha A A, Cochin University of Science and Technology, Kerala
12 . 40- 12. 50 pm	(OP06) A comparative study of methane flux in the limnetic zones of three lakes, Kerala, India	Aditya S.K , A. Krishnakumar, Revathy Das, NCESS Akkulam, Kerala
12.50 – 1.00 pm	(OP07) Distribution and risk assessment of metals in Vembanad lake system, Peninsular India	M S Shylesh Chandran , E V Ramasamy, Mahesh Mohan, Sruthi S N, Jayasooryan KK, Toms Augustine, Kannan Mohan, Institute of Climate Change, Kerala
01.00 – 01.30 pm	LUNCH BREAK	
01.30 – 02.00 pm	Poster session	
	Session 2	
02.00 – 04.35 pm	Monitoring of Coastal ecosystems Chair : Prof. Dr. Jaya D.S , Department of Environmental Sciences, University of Kerala	
02. 00 – 02 .30 pm	Coastal Biodiversity, Challenges in India	Dr. Deepak Samuel Scientist, National Centre For Sustainable Coastal Management, Chennai, Tamil Nadu
02.30 – 03. 00 pm	Estuarine and coastal pollution from anthropogenic sources – a trigger for emergence of hypervirulent <i>Escherichia coli</i> strains in the coastal environments	Dr. Mohammed Hatha Professor, Cochin University of Science and Technology, Kerala, India



03. 00 - 03. 10 pm	(OP08) Impact of open sea cage culture activities on the water and sediment quality off Sippikulam coast, South-East coast of India	P. S. Asha , K.Diwakar, P.Muthukrishnan, C.Kalidas, P.P Manojkumar and V.Kripa Tuticorin Research Centre of CMFR Institute, Tamilnadu
03. 10 – 03. 20 pm	(OP09) Maintaining the health of coastal water bodies lessons from Muttukadu and Pulicat lakes	Vijayakumaran. K , Former Principal Scientist, CMFRI, Chennai, Tamilnadu
03. 20 – 03.30 pm	(OP10) Monitoring beach erosion and deposition trends using PSINSAR: a case study from the non-barred southern west coast of India	Bincy H.S. , Sajinkumar K.S., Bouali E.H., Oommen T., Vishnu C.L Dept.of Geology, University of Kerala
03. 30 - 03.45 pm	TEA BREAK	
03.45 - 03.55 pm	(OP11) A study on the distribution of pesticides residues in agriculture soil samples of Kuttanad agroecosystem	Sruthi S Nair and E V Ramasamy, Research Scholar, MGU, Kerala
03.55 – 04.05 pm	(OP12) Hydrochemical characterisation of Karamana river with emphasis on its coastal stretch in Thiruvananthapuram, south west coast of India	Sukanya. S , Sabu Joseph, Dept. pf Environmental sciences, University of Kerala
04.05-04.15 pm	(OP13) Influence of upwelling on the chaetognath community along the south eastern Arabian Sea	Aishwarya , LathikaCicily Thomas, S. Bijoy Nandan, K.B. Padmakumar CUSAT, Kerala
04.15-04.25 pm	(OP14) Physico-chemical analysis of coastal water of Colachel estuary, Kanyakumari district, Tamilnadu, south India	Mary Kensa V. and Kavitha A. Asst Professor, S.T. Hindu College, Nagercoil, Tamilnadu
04.25 – 04.35 pm	(OP15) Hydrochemical assessment of groundwater quality in netravati river basin, karnataka, india	Gayatri Vastrad , Sandhya Sudhakaran, Helan Priya Pious, Jeenu Jose, V. Arun, A. Krishnakumar, K. Anoop Krishnan, NCESS, Akkulam, Kerala
	15. 03. 2019 Friday	
	Session 3	



9.30 – 11.10 am	Natural disaster and coastal systems Chair : Dr. Sajin Kumar , Asst. Professor, Dept. of Geology, University of Kerala	
09.30 – 10.00 am	Save estuaries, Save ourselves	Prof. Peter Pradeep , Jacob Chandy Varghese HELP foundation, Kerala, India
10.00 – 10.30 am	Talking trash: empowering students to collect data and influence policy on marine debris	Dr. Katherine Owens Fullbright fellow, Dept. of Environmental Sciences, University of Kerala, Department of Politics, Economics, and International Studies, University of Hartford, USA
10.30 – 10.40 am	(OP16) Impact of Kerala Flood 2018 on Pollution Level of West Coast Canal System Near Chavara Industrial Belt Area, Kollam	Kurian Mathew Abraham , Athira Sivan Dept. of Aquatic Biology and Fisheries, University of Kerala, Kerala
10.40-10.50 am	(OP17) The Kerala model of developing floods: a case study of Kadakom-Sarkara area of Chirayinkeezh Panchayath in Trivandrum District	Sajeev Mohan , Asst. Professor, College of Engineering, Trivandrum, Kerala
10.50 – 11.00 am	(OP18) Before and after flood benthic faunal diversity in post monsoon season of Achenkovil river Kerala, India	Sujitha S , Sreejai R, Jency Roshan F, Dani Benjamin and Beena S Kurup ST. Stephen's College, Pathanapuram, Kerala
11.00 – 11.10 am	(OP19) Microplastics in water samples of Poonthura estuary, Thiruvananthapuram, Kerala: before and after the cyclone Ockhi	Vinuja S. , Akhila S. Nair, Kurian Mathew Abraham, Dept. of Aquatic Biology, University of Kerala
11.10 – 11.25 am	TEA BREAK	11.10 – 11.25 am
Session 4		
11.25 am– 12.05 pm	Anthropogenic stress in estuarine and coastal systems Chair : Dr. Vijayakumaran K , Former Principal Scientist, CMFRI, Chennai, Tamil Nadu	
11.25 – 11.35 am	(OP20) Assessment of selected metal enrichment in sediments of ashtamudi estuary, Kerala, sw coast of India	Jeenu Jose , A Krishnakumar NCESS, Akkulam, Kerala



11.35-11.45 am	(OP21) Abundance, sources and methods for effective quantification of microplastics in Puzhal lake, a freshwater system Tamilnadu	Melita Rachel. A. R. , Sushmitha.S.R, Kalpana.G, and S. Srinivasalu Institute for Ocean Management, College of Engineering, Anna University, Guindy, Tamilnadu
11.45-11.55 am	(OP22) Trends of ground water chemistry, Alapuzha district, coastal Kerala, India	Prasood, S.P. , Thrivikramji, K.P, Geoinformatics Division, Centre for Environment and Development, Thiruvananthapuram, Kerala
11.55 am -12.05 pm	(OP23) Ridding obsolescence of Parvathy Puthanar, Thiruvananthapuram dist. Kerala-India	Chrips, N.R. , Thrivikramji, K.P Centre for Environment and Development, Kerala
Session 5		
12.10 – 01.10 pm	Ecosystem evaluation and services of estuaries and coasts Chair : Dr. Anoop Krishnan , Scientist, NCESS, Akkulam	
12.10 – 12.20 pm	(OP24) High solid anaerobic digestion – an alternate to conventional coir retting practices.	Divya Ashok , Dr. E.V Ramasamy, School of Environmental Sciences, Mahatma Gandhi University, Kottayam, Kerala
12.20 – 12.30 pm	(OP25) Isolation of Thraustochytrid protists from coastal habitats of Goa and their economic importance	Anjita A. Naik , Varada S. Damare, Svetlana P. Cardozo, Mamatha S. S. Department of Microbiology, Goa University, Taleigao Plateau, Goa
12.30 – 12.40 pm	(OP26) A geoinformatics based change analysis of atoll ecosystem and evaluation of carbon sequestration potential for sea grass meadows in the selected island of Lakshadweep Archipelago	Nasarullah M. B. , Sreevalsan V. G., SumithSatheendran S., and Abin Varghese, Dr. R. Satheesh Centre for Remote Sensing and GIS, School of Environmental Sciences, MGU, Kerala
12.40 – 12.50 pm	(OP27) Preliminary screening of diatoms from coastal environments for the production of antimicrobial metabolites	Fazila Shaikh and Priya M. D'Costa* Department of Microbiology, Goa University, Goa



12.50- 01.00 pm	(OP28) Isolation and characterization of Lead resistant bacteria from Kudankulam power plant area, Tirunelveli district, Tamilnadu.	Infant, S., Punitha, A. and <u>Divinia Mary Jeba, L,</u> Holy Cross College, Nagarcoil Tamilnadu
01.00-01.10 pm	(OP29) Antimicrobial potential of saline extract of the marine snail (<i>Harpulina lapponica</i>) against pathogens	Anitha, C., Basil Rose, M.R. and Arokya Glory P.T' Holy Cross College, Nagercoil, Tamilnadu
01.10-02.00 pm	LUNCH BREAK	
	Session 6	
02.00 – 03. 10 pm	Estuarine and coastal biodiversity Chair : Dr. A Padmakumar, Professor and Head, Dept. of Aquatic Biology and Fisheries, University of Kerala	
02.00 – 02.10 pm	(OP30) Impact of mining on halacaroida diversity in intertidal environments along the south west coast of Tamilnadu, India	Prince S. Godson , S. Krishnakumar, N. Chandrasekar, T. Simon Peter, J. S. John Wilson,Salom Gnana Thanga Vincent, Tamilnadu
02.10 - 02.20 pm	(OP31) Molluscan fauna of asthamudi lake, Kerala, India	Ravinesh, R., Anjana, V.L., Arathi, A.R., and Biju Kumar, A. Department of Aquatic Biology and Fisheries, University of Kerala
02.20 - 02. 30 pm	(OP32) Taxonomic characterization and biodiversity of microphytobenthos in mangrove ecosystems along the southwest coast of India	Jeslin I.J, Niya Benny, Jerry Amal John, K.B Padmakumar CUSAT, Cochi, Kerala
02.30 – 02.40 pm	(OP33) A comparative study of mesozooplankton in two major estuaries of Kerala	Hani Mohandas P.M and Jayalakshmi K.J, School of Ocean Science and Technology Kerala University of Fisheries and Ocean Studies, Kerala
02.40- 02.50pm	(OP34) Seasonal variation in zooplankton diversity of Kottakayal, Kerala, India	Jensy Roshan F, Sreejai R, Sujitha S , Dani Benjamin and Beena S Kurup Zoology Research Centre, St. Stephen's College, Pathanapuram, Kerala



02.50 – 03.00 pm	(OP35) Influence of upwelling on the community structure of microphytoplankton along the south eastern Arabian sea during early summer monsoon	Twinkle Sathish , Lathika Cicily Thomas, K.B. Padmakumar CUSAT, Cochi, Kerala
03.00-03.10 pm	(OP36) Near Shore Benthic Foraminifera and its environmental implications along the depositional environment of palk strait, east coast of India	M. Suresh Gandhi , University of Madras, Tamilnadu
03.10-03.20	TEA BREAK	
03.20-03.50	Climate change impact on estuarine resources : Challenges for India.	Dr.A. Biju Kumar , Professor, Department of Aquatic Biology and Fisheries, University of Kerala
03.50- 4.30 pm	Valedictory session and award distribution	



Posters

Posters must be mounted on the allocated panels before **1.00 pm on 14th March-2019** and it can only be removed after **4.30 pm on 15th March-2019**.

A numbered panel will be allocated for each poster and conference staff will be on hand to advise you of your poster panel number during the setup time for your session.

Poster Number	Title of the work	Author/s
PP01	Isolation and characterization heavy metal resistant fungi from industrial sites of Chavara, Kollam	Prakash G.Williams , Jeena S.M, Aradhana D, Latha C. Department of Botany and Biotechnology, Bishop Moore College, Mavelikara, Kerala
PP02	The biological role of the hemolymph lectin of the marine crab, <i>Atergatis latissimus</i>	T. Elaya Bharathi , J. Vinoliya Josephine Mary and S. Mary Mettilda Bai, Holy Cross College (Autonomous), Nagercoil, Tamilnadu
PP03	Physico-chemical characterization of hemagglutinin from the hemolymph of the estuarine crab, <i>Metapograpsus thukuhar</i>	F. Vargila , S. Mary Mettilda Bai ² , J. Vinoliya Josephine Mary and R.K. Rathika Research Scholar, Department of Zoology, Holy Cross College (Autonomous), Nagercoil, Tamilnadu
PP04	Coral annual growth band impregnated microplastics (porite sp.) : a first investigation report	S. Krishnakumar , S.Anbalaganr, Prince S. Godson S.Srinivasalu, Institute for Ocean Management, Anna University, Chennai, Tamilnadu
PP05	Geochemical processes analysis and evaluation of groundwater quality in coastal zone of Kalkulamtaluk, Kanyakumari district, India	S.RajKumar , Y.Srinivas, NithyaC.Nair, S.Arunbose. Centre for Geotechnology, Manonmaniam Sundaranar University, Tamilnadu



PP06	Spatial variation and distribution of heavy minerals in the beach sediments between Kovalam and Midalam along southwest coast of Tamil nadu, India	T. Simon Peter , N. Chandrasekar, J.S. John Wilson, N.S. Magesh, S. Krishna kumar, Prince S Godson [*] MS University, Tamilnadu
PP07	Textural characteristics of sediments from the Coringa Godavari estuarine mangrove	Namrata Priya , Karuna Rao, AL. Ramanathan School of Environmental Sciences, Jawaharlal Nehru University, New Delhi
PP08	Heavy mineral and granulometric studies from coastal sediments between Pondicherry and Tuticorin, east coast of Tamil nadu, India	J.S. John Wilson , N. Chandrasekar, T.Simon Peter, Prince S. Godson, Centre for Geotechnology, Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu
PP09	Anthropogenic activities in and around Akkulam-Veli lake, Thiruvananthapuram and their impact on the lake ecosystem, over the last three decades(1989-2018) – an analysis using remote sensing and GIS tools	Arya Unnikrishnan S U , Smitha Asok V and RajeshRaghunath, Post Graduate Department of Environmental Sciences, All Saints' College, Thiruvananthapuram, Kerala
PP10	Assessment of health of an urban stram in terms of coliform population: a case study of Parvathy Puthanar Trivandrum, India	Reshma T. Sam , V.R. Sreelekshmi, Archana S. Kumar, Sonia Cletus, N.M. Sabitha, K. Anoop Krishnan, Hydrological Processes Group, National Centre for Earth Science Studies (NCESS), Akkulam, Kerala
PP11	Evaluation of physicochemical characteristics to access the pollution status of Parvathi Puthanar, Trivandrum, India	Archana S. Kumar , Sonia Cletus, Reshma T. Sam, V.R. Sreelekshmi, N.M. Sabitha, K. Anoop Krishnan, Hydrological Processes Group, National Centre for Earth Science Studies (NCESS), Akkulam, Kerala
PP12	Exploring traditional knowledge on sand crabs	Shimi H and Jayalakshmi K.J, Department of Fishery Resource Management Kerala University of Fisheries and Ocean Studies, Cochin, Kerala
PP13	Evaluation of beach sediment characteristics of Vizhinjam coast, Thiruvananthapuram district, south India	Aneesa S. and Jaya D S, Department of Environmental Sciences, University of Kerala, Kariavattom Campus, Kerala
PP14	Total metal concentration in Vembanad lake sediments in relation to recent flood.	Adithya Suthan , Princy M John, Anu Gopinath



		MFSc student, Department of Aquatic Environment Management, KUFOS, Kerala
PP15	Nutrient budget using LOICZ model for Ennore estuary, Tamilnadu, India	Sushmitha S R , Melita Rachel A R, Kalpana G, Srinivasalu S Institute for Ocean Management, College of Engineering -Guindy, Anna Univerisity, Tamilnadu
PP16	Occurrence and activity of cellulolytic anaerobic bacteria in Ashtamudi estuary, Kerala, India	Arya D B , Salom Gnana Thanga Vincent, Department of Environmental Sciences, University of Kerala, Kariavattom Campus, Kerala
PP17	Marine fungi: a prospective bioresource for EPS production	Lekshmi M , Ayona Jayadev, Department of Environmental Sciences, University of Kerala ¹ , Kerala
PP18	A study on physiochemical parameters for the growth and oil yield microalgae isolated from the sea water of Kanyakumari District, Tamil Nadu, India	M.Shyni , T.Praba, M. Michael Babu, CMST, MS University, Rajackamngalam, Knayakumari District, Tamil Nadu
PP19	Studies on rejuvenation capacity of nanochloropsis species with various concentrations of internal cryoprotectents (CPAs) from the long term storage	C.Ajan , A. Enilda Raxy, M. Michael Babu, CMST, MS University, Rajackamngalam, Knayakumari District, Tamil Nadu
PP20	Biodiversity of Brine shrimp Artemia from the solar salt work of Kanyakumari District	Y.Biju , Krishnaveni. M, CMST, MS University, Rajackamngalam, Knayakumari District, Tamil Nadu
PP21	Spatial variations in Urease enzyme activity in Ashtamudi estuarine sediment, South Kerala- India	Junaid Hassan Salahudeen , Vrinda Chellem, Salom Gnana Thanga Vincent, Dept. of Environmental Sciences, University of Kerala
PP22	Abundance and activity of sulphate reducing bacteria : spatio-temporal changes in Ashtamudi estuary, Kerala-India.	Panchami S.S , Salom Gnana Thanga Vincent, Department of Environmental Sciences, University of Kerala