

Volvo Ocean Race  
Cochin stopover  
December 2008

# Programme Guide



**MECOS 09**



## International Symposium Marine Ecosystems Challenges and Opportunities

9 - 12 February 2009  
Hotel Presidency, Cochin

The Marine Biological Association of India  
P.B. No. 1604, CMFRI Campus, Cochin - 682 018, India  
[www.mbai.org.in](http://www.mbai.org.in)

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## Directions for MECOS delegates

Dear MECOS delegates..

Welcome to the City of Cochin, also called as Kochi in the evergreen state of Kerala. Now that you have registered, there are a few things that you have to bear in mind. These directions are made to make your stay at Cochin and your participation in MECOS as comfortable and smooth as possible.

1. First locate your abstract, in the BOOK OF ABSTRACTS or in this GUIDEBOOK and note down your abstract code and the session and time of its presentation, particularly whether it is a poster or oral presentation.
2. If your presentation is through POSTER and if it is on DAY-1, please rush and handover the poster to the Poster Session Chairman (Dr. V.S. Basheer - 09847219320) for help in displaying it. Since poster session is the first event every day, it is advisable to put up your poster on the previous evening after the oral session is over for the day. Dr. Basheer and his team will help you to locate the location of your poster and also provide you all materials to display your poster.
3. If your presentation is ORAL, please keep your presentation ready in a pen-drive or a CD and hand it over to the person manning the presentation console at least one hour before the session starts. We will not be able to use your laptops for showing the presentation.
4. After your presentation is over please fill in the PRESENTATION SLIP provided in this guidebook and hand it over to the session Rapporteurs for affixing their signature. This is essential if you are planning to give the full paper to the *Journal of Marine Biological Association of India* (JMBAI) for peer review and eventual publication. It is also advisable to submit your full paper along with the presentation slip at the REGISTRATION DESK before the close of MECOS to avoid delays in publication.
5. ORAL presenters must stick to the time allotted by the Chairman. The scheduled time allotted is 10 minutes including 2 minutes of discussion, but this may vary as per the exigency and discretion of the Chairman. It is advisable not to exceed the time limit to avoid embarrassment.
6. Finally, please present your lunch and dinner coupons (provided as a tear-off at the end of this guidebook) at the meal stations. This is to help the organisers to plan the event.
7. If you face a problem, please don't hesitate to contact the organisers (telephone numbers provided in this guidebook). Here's wishing you a wonderful event.

## MECOS Inaugural

### PROGRAMME

1000 -1002 *Invocation*

1002-1010 *Welcome Address* : Dr. G. Syda Rao  
Director, CMFRI & President, MBI

1010 *Lighting of the lamp*

1010-1035 *Felicitations* :

1035-1045 *Presidential address* : Dr. S. Ayyappan  
Deputy Director General (Fy.), ICAR

1045-1100 *Inaugural address* : Shri S. Sarma  
Hon'ble Minister of Fisheries &  
Registration, Govt. of Kerala

1100-1105 *Release of Book of Abstracts & Souvenir*

1105-1120 *Honouring dignitaries and former office bearers of MBI*

1120-1125 *Vote of thanks* : Dr. N.G.K. Pillai  
Convenor, MECOS-09

1125-1130 *National Anthem*

1130-1200 *Tea*

1200 *Inauguration of Exhibition* : Shri S. Sarma  
Hon'ble Minister of Fisheries &  
Registration, Govt. of Kerala

## MECOS Scientific Sessions & Codes

No	Session Name	Session Code	Poster Codes	Oral codes
1	Ecosystem services	ES	ESP 01-28	ESO 01-16
2	Management strategies	MS	MSP 01-27	MSO 01-24
3	Ecosystem assessment	EA	EAP 01-28	EAO 01-15
4	Opportunities	OP	OPP 01-25	OPO 01-17
5	Ecosystem health	EH	EHP 01-16	EHO 01-18
6	Climate change	CC	CCP 01-06	CCO 01-05

## PROGRAMME SUMMARY

(Venue: Hotel Presidency, Ernakulam North, Cochin)

### DAY 1 – 9.2.2009

0830-1000	REGISTRATION
1000-1130	INAUGURAL SESSION
1130-1200	TEA
1200-1300	POSTER SESSION: ESP 01-ESP 28; MSP 01 – MSP 07
1300-1400	LUNCH
1400-1530	ORAL PRESENTATION: ESO 01 – ESO 09
1530-1550	TEA
1550-1800	ORAL PRESENTATION: ESO 10 – ESO 16; MSO 01 – MSO 06

### DAY 2 – 10.2.2009

0900-1000	POSTER SESSION: MSP 08 - MSP 27; EAP 01 – EAP 15
1000-1120	ORAL PRESENTATION: MSO 07 - MSO 14
1120-1130	TEA
1130-1310	ORAL PRESENTATION: MSO 15 – MSO 24
1310-1410	LUNCH
1410-1530	ORAL PRESENTATION: EAO 01 – EAO 08
1530-1550	TEA
1550-1700	ORAL PRESENTATION: EAO 09 – EAO 15
1860-1900	General Body Meeting of Marine Biological Association of India at CMFRI
1830-2130	Cultural Programme & Dinner at CMFRI

**DAY 3 – 11.2.2009**

0900-1000	POSTER SESSION: EAP 16 – EAP 28; OPP 01 – OPP 16; CCP 01- CCP 06
1000-1120	ORAL PRESENTATION: Keynote Address & CCO 01 – CCO 05
1120-1130	TEA
1130-1300	ORAL PRESENTATION: CCO 06-CCO 10; EAO 16 – EAO 19
1300-1400	LUNCH
1400-1600	ORAL PRESENTATION: Keynote Address & OPO 01 - OPO 10
1600-1620	TEA
1620-1730	ORAL PRESENTATION: OPO 11 – OPO 17

**DAY 4 – 12.2.2009**

0900-0940	POSTER SESSION: OPP 17 – OPP 25; EHP 01 – EHP 16
0940-1120	ORAL PRESENTATION: Keynote Address & EHO 01 – EHO 08
1120-1130	TEA
1130-1310	ORAL PRESENTATION: EHO 09 – EHO 18
1310-1410	LUNCH
1410-1540	PLENARY SESSION
1540-1600	TEA

**Day-to-Day Presentations****DAY 1****Day 1; Date: 9.2.2009****POSTER SESSION: ES & MS**

Code	Title, Author, Affiliation	Time
ESP 01	ROLE OF MANGROVES IN THE ESTUARINE ECOSYSTEMS OF SOUTH IRANIAN COAST (PERSIAN GULF) Mehrnaz Farzingohar* and Mehran Yasemi University Putra Malaysia, Bandar Abbas, Iran	1200-1300
ESP 02	DENSITY OF BLUE-GREEN ALGAE (CYANOPHYTA) IN THE PERSIAN GULF (KHOOZESTAN PROVINCE) M Fallahi*, M R Fathemi and F Seraji Aquaculture Institute of Inland Waters, Bandar Anzali, Iran	1200-1300
ESP 03	STUDIES ON MORPHOLOGY AND ORIENTATION PATTERN OF SAND BUBBLES OF THE SAND BUBBLER CRAB <i>DOTILLA CLEPSYDRODACTYLUS</i> ANDAMANS P M Mohan*, Puneeta Pandey, D Vijay and P Dhivya Pondicherry University, Junglighat, Port Blair	1200-1300
ESP 04	AN OVERVIEW OF DISTRIBUTION AND BIOMETRIC RELATIONSHIPS OF THE INDIAN PEARL OYSTER <i>PINCTADA FUCATA</i> (GOULD) ALONG THE INDIAN COAST T.S. Velayudhan*, N.R. Menon and V.K. Pillai Central Marine Fisheries Research Institute, Cochin, Kerala	1200-1300
ESP 05	OCCURRENCE AND DISTRIBUTION OF FUNGAL ENDOPHYTES IN MANGROVES AND MARINE PLANTS V Kumaresan* and T S Suryanarayanan Tagore Arts College, Puducherry, India	1200-1300



**DAY 1**

ESP 06	DIVERSITY OF FINFISH AND SHELLFISH IN EIGHT LANDING STATIONS OF SRIKAKULAM DISTRICT OF ANDHRA PRADESH, INDIA D V Kirankumar Pappu, S N Raju and C Manjulatha* Andhra University, Visakhapatnam	1200-1300
ESP 07	FLORISTIC STUDY ON SANDY BEACH OF CHAVAKKAD, THRISSUR DISTRICT, KERALA, INDIA Sareena P Mohamed* and Joshy K Simon Christ College, Irinjalakuda, Kerala	1200-1300
ESP 08	ASSESSMENT OF HYDROGRAPHIC PARAMETERS AND ANALYSIS OF MANGROVE FLORA IN POYYA BACKWATERS OF THRISSUR DISTRICT, KERALA, INDIA M K Saritha* and P P Tessy Christ College, Irinjalakuda, Kerala	1200-1300
ESP 09	DIVERSITY OF MARINE FINFISH LARVAE IN VARIOUS ECOSYSTEMS OF IRANIAN WATERS (PERSIAN GULF) Mahnaz Rabbaniha* and Fereidoon Owfi Iranian Fisheries Research Organization, Tehran, Iran	1200-1300
ESP 10	PLANKTON DIVERSITY IN A TROPICAL MARINE PROTECTED AREA- MAHATMA GANDHI MARINE NATIONAL PARK (MGMNP), WANDOOOR, SOUTH ANDAMAN Honey U K Pillai*, K V Jayalakshmy, K A Jayaraj, C K Shiju, C B L Devi, C Ravichandran and N Bahulayan National Institute of Oceanography, Kochi	1200-1300
ESP 11	STUDIES ON THE AVAILABILITY OF LIVE BAITFISHES FOR POLE AND LINE FISHING WITH SPECIAL REFERENCE TO BIOLOGY OF DIFFERENT SPECIES OCCURRING IN ANDAMAN ISLANDS Sijo P Varghese*, A Anrose and A B Kar Fishery Survey of India, Mumbai	1200-1300

**DAY 1**

ESP 12	DIVERSITY OF FINFISHES IN THE FISHERIES OF UTTAR KANNADA, KARNATAKA, INDIA V S Kakati, S Jasmine, Miriam Paul Sreeram*, N G Vaidya and C K Dinesh CMFRI, Karwar, Karnataka	1200-1300
ESP 13	SEASONAL VARIATION OF BENTHIC MACROFAUNAL DIVERSITY IN ARKATTUTHURAI (PALK STRAIT) REGION, SOUTHEAST COAST OF INDIA R Krishnaprakash*, M M Karthikeyan, P Murugesan and T T Ajithkumar Annamalai University, Parangipettai, Tamil Nadu	1200-1300
ESP 14	POSSIBILITIES OF PRODUCTION OF BIOFUEL FROM ALGAE V S Krishnamurthy Chennubhotla Vaidehinagar, Vanasthalipuram, Hyderabad	1200-1300
ESP 15	DIVERSITY, DISTRIBUTION AND COMPOSITION OF THE HOLOPLANKTON OF THE CONTINENTAL SLOPE WATERS ALONG THE NORTHWEST COAST OF INDIA K Pradeep*, N Nandini Menon and S Shassi Central Institute of Fisheries Technology, Cochin	1200-1300
ESP 16	DISTRIBUTION OF BIVALVES IN KANDLERU ESTUARY, NELLORE DISTRICT, ANDHRA PRADESH R Thangavelu*, P Poovannan and S N Sethi CMFRI, Chennai	1200-1300
ESP 17	MARINE SPONGES, A BOON TO BIOWORLD S Arun Sudhagar*, N Jayakumar and D Linga Prabu Fisheries College and Research Institute, Tuticorin, Tamilnadu	1200-1300
ESP 18	SEASONAL DISTRIBUTION OF ZOOPLANKTON IN ESTUARIES AND BACKWATERS IN CHENNAI D Loganathan and R Ramanibai* University of Madras, Chennai	1200-1300

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ESP 19	SEASONAL VARIATION OF PLANKTON ABUNDANCE, STANDING STOCK AND COMMUNITY STRUCTURE IN COCHIN BACKWATERS  P M Sooria*, Vineetha Gopinath, P D Reny, Meenu Paul, U Ratheesh, K H Fausia and N V Madhu National Institute of Oceanography, Kochi	1200-1300
ESP 20	MACROBENTHOS AND SEDIMENT CHARACTERISTICS OF THE INNER SHELF OF CENTRAL SOUTHWEST COAST OF INDIA  K A Jayaraj*, K V Jayalakshmi and V Kesava Das National Institute of Oceanography, Kochi	1200-1300
ESP 21	DISTRIBUTION OF ZOOPLANKTON IN SELECTED CENTRES OF COCHIN BACKWATERS, KERALA  Molly Varghese* and L Krishnan Central Marine Fisheries Research Institute, Kochi	1200-1300
ESP 22	DISTRIBUTION AND ABUNDANCE OF MYCTOPHIDS OFF THE SOUTHWEST COAST OF INDIA  V S Somvanshi, M K Sajeevan* and J Rajasekharan Nair Fishery Survey of India, Mumbai	1200-1300
ESP 23	FATTY ACID SIGNATURES OF THE INDIAN MACKEREL <i>RASTRELLIGER KANAGURTA</i> (CUVIER) FROM THE ARABIAN SEA ALONG INDIAN COAST  U Ganga*, C K Radhakrishnan and R Anandan Central Marine Fisheries Research Institute, Cochin	1200-1300
ESP 24	A STUDY ON THE INCIDENTAL LANDINGS OF WHALE SHARK, <i>RHINCODON TYPUS</i> (SMITH, 1828) JUVENILES ALONG THE INDIAN COAST  C P Rajool Shanis*, Hashim Manjebrayakath, K V Akhilesh, K K Bineesh, N Beni and Manju Sebastine Central Marine Fisheries Research Institute, Cochin	1200-1300

**DAY 1**

ESP 25	SOME ASPECTS OF FISHERY AND BIOLOGY OF COBIA, <i>RACHYCENTRON CANADUM</i> (LINNAEUS, 1766) IN THE INDIAN WATERS  N G K Pillai*, U Ganga, K V Akhilesh, Hashim Manjebrayakath, K K Bineesh, C P Rajool Shanis, N Beni and Somy Kuriakose Central Marine Fisheries Research Institute, Cochin	1200-1300
ESP 26	AN APPRAISAL OF RING SEINE FISHING SYSTEMS OPERATED OFF COCHIN, INDIA  Leela Edwin*, M R Boopendranath, M P Ramesan, Saly N Thomas, V G Jinoy, V I Hakkim and M Nasser Central Institute of Fisheries Technology, Cochin	1200-1300
ESP 27	A MOLECULAR APPROACH TO REVEAL THE GENETIC IDENTITY OF PARROT AND SYMPATRIC MUSSEL SPECIES DISTRIBUTED ALONG THE KERALA COAST  P R Divya*, P C Thomas, Vindya Mohindra, K K Lal, R K Singh, A Gopalakrishnan and W S Lakra National Bureau of Fish Genetic Resources, Cochin	1200-1300
ESP 28	ALLOMETRIC STUDIES ON THE ASYMMETRIC CLAWS OF THE SNAPPING SHRIMP, <i>ALPHEUS EUPHROSINE</i> FROM VEMBANAD LAKE  Smija Maju, A R Reena Greeshma and M Harikrishnan* Cochin University of Science and Technology, Cochin	1200-1300
MSP 01	TECHNOLOGICAL DEVELOPMENTS OF FISHING CRAFT AND GEAR IN CALICUT  M Sivadas CMFRI, Calicut	1200-1300
MSP 02	LOCAL KNOWLEDGE ON MUD CRAB; ETHNOECOLOGY OF <i>SCYLLA SERRATA</i> IN RATNAGIRI COAST, MAHARASHTRA  V H Nirmale, S S Gangan, B M Yadav, P Durgale and K M Chinde Marine Biological Research Station, Ratnagiri, Maharashtra	1200-1300

**DAY 1**

MSP 03	REARING OF THE CTENOPHORE <i>PLEUROBRACHIA BACHEI</i> Joe K Kizhakudan CMFRI, Chennai	1200- 1300
MSP 04	MARKET INTEGRATION IN SHRIMP AND TUNA AMONG MAJOR COASTAL MARKETS OF INDIA P Shinoj*, B Ganesh Kumar, R Sathiadhas and K K Datta National Centre for Agricultural Economics and Policy Research, New Delhi	1200- 1300
MSP 05	TRADITIONAL KNOWLEDGE AND METHODS IN LOBSTER FISHING IN GUJARAT Joe K Kizhakudan* and S K Patel CMFRI, Chennai	1200- 1300
MSP 06	PRIMARY, SECONDARY AND TERTIARY SECTORS IN MARINE FISHERIES: A SOCIOECONOMIC PROFILE S Swathi Lekshmi*, H S Mahadevaswamy and Lingappa CMFRI, Mangalore	1200- 1300
MSP 07	MANAGEMENT OF BREEDING PRACTICES OF <i>RUTILUS FRISII KUTUM</i> MIGRATING TO TONEKABON RIVER (NORTH OF IRAN) Mehdi Nikoo*, Bahram Falahatkar, Ali Hosseinpour Zelati, Ali Asadollahpour* Islamic Azad University of Ghaemshahr, Ghaemshahr, Iran	1200- 1300

**ORAL PRESENTATION : ES & MS**

ESO 01	EASTERN ARABIAN SEA MARINE ECOSYSTEMS V N Sanjeevan*, P Jasmine, B R Smitha, T Ganesh, P Sabu and T Shunmugaraj Centre for Marine Living Resources and Ecology, Kochi	1400- 1410
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**DAY 1**

ESO 02	SEASONAL VARIATION, DIVERSITY, SPATIAL AND VERTICAL DISTRIBUTION OF MAJOR ICHTHYOPLANKTON IN THE ARABIAN SEA M S Binu and C B Lalithambika Devi* Centre for Marine Living Resources and Ecology, Kochi	1410- 1420
ESO 03	DISTRIBUTION OF CETACEANS IN RELATION TO OCEANOGRAPHIC PARAMETERS IN THE INDIAN EEZ AND CONTIGUOUS SEA V V Afsal*, K S S M Yousuf, B Anoop, A K Anoop, P Kannan, M Rajagopalan, E Vivekanandan and R P Kumarran Central Marine Fisheries Research Institute, Cochin	1420- 1430
ESO 04	A SURVEY ON DENSITY AND BIODIVERSITY OF PHYTOPLANKTON IN THE PERSIAN GULF (BOUSHEHR PROVINCE) M Fallahi*, M R Fathemi and F Seraji Aquaculture Institute of Inland Waters, Bandar Anzali, Iran	1430- 1440
ESO 05	DIFFERENCES IN GROWTH AND REPRODUCTIVE STAGES OF FARMED GREEN MUSSEL <i>PERNA VIRIDIS</i> IN A SEMI- ENCLOSED BAY, ESTUARY AND OPEN SEA ALONG KERALA COAST, INDIA V Kripa*, K S Mohamed, T S Velayudhan, M Joseph, P S Alloycious and J Sharma* Central Marine Fisheries Research Institute, Tuticorin, Tamilnadu	1440- 1450
ESO 06	ALPHA, BETA AND GAMMA DIVERSITY OF FISHED MARINE TAXA OF SOUTHWEST COAST OF INDIA DURING 1970-2005 P U Zacharia*, K S Mohamed, T V Sathianandan, P K Asokan, P K Krishnakumar, K P Abdurahiman, R N Durgekar and V Shettigar CMFRI, Tuticorin, Tamil Nadu	1450- 1500



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ESO 07	BENTHIC BIODIVERSITY IN DEVELOPED (PICHAVARAM) AND DEVELOPING MANGROVES (VELLAR ESTUARY), SOUTHEAST COAST OF INDIA M Pravin Kumar*, R Krishnaprakash, S Elayaraja, P Murugesan and T T Ajithkumar Annamalai University, Parangipettai, Tamil Nadu	1500-1510
ESO 08	OCCURRENCE OF BLACK YEASTS IN INDIAN WATERS Sreedevi N Kutty*, R Damodaran, I S Bright Singh and Rosamma Philip Cochin University of Science and Technology, Kochi	1510-1520
ESO 09	DISTRIBUTION, ABUNDANCE AND BIODIVERSITY OF PERCHES IN ANDAMAN AND NICOBAR WATERS V S Somvanshi, A Anrose, M K Sinha, A B Kar* and S K Pattanayak Fishery Survey of India, Port Blair	1520-1530
ESO 10	STOCK CHARACTERISTICS AND POPULATION DYNAMICS OF <i>HETEROCARPUS WOODMASONI</i> Radhika Rajasree, M Hari Krishnan and B Madhusoodana Kurup* Cochin University of Science and Technology, Cochin	1550-1600
ESO 11	STANDARDIZATION OF POLYAMIDE MONOFILAMENT YARNS FOR FABRICATION OF GILLNET WITH REFERENCE TO PHYSICAL AND MECHANICAL PROPERTIES Saly N Thomas*, Baiju John and C Kalidas Central Institute of Fisheries Technology, Cochin	1600-1610
ESO 12	BIOPHYSICAL STATUS OF CORAL REEFS OF ANDAMAN WATERS AND CONSERVATION PERSPECTIVES R Soundararajan*, S Murugesan and P Krishnan Anna Nagar West, Chennai	1610-1620

**DAY 1**

ESO 13	TEMPORAL VARIATION IN THE ABUNDANCE AND AVAILABILITY OF DEEPSEA FISHES IN THE INDIAN EEZ BASED ON FISHERY SURVEY CRUISES OF FORV <i>SAGAR SAMPA</i> Sherine Sonia Cubelio* and B Madhusoodana Kurup Cochin University of Science and Technology, Cochin	1620-1630
ESO 14	DIVERSITY OF THE DEEPSEA FINFISH RESOURCES OF THE INDIAN CONTINENTAL SLOPE Hashim Manjebraayakath*, Divya Thankappan, A A Jayaprakash and U Ganga Central Marine Fisheries Research Institute, Cochin	1630-1640
ESO 15	EDIBLE OYSTER AND MUSSEL RESOURCES OF ANDAMAN (INDIA) WATERS AND THE POTENTIAL FOR SUSTAINABLE ECONOMIC DEVELOPMENT R Soundararajan*, R Thangavelu, P Krishnan, S Murugesan and P Poovannan Anna Nagar West, Chennai	1640-1650
ESO 16	SPATIAL AND TEMPORAL VARIATIONS IN SEAGRASS BIOMASS AND SHOOT DENSITY IN MINICOY LAGOON, LAKSHADWEEP, INDIA M P Prabhakaran*, N G K Pillai and S Bijoy Nandan Central Marine Fisheries Research Institute, Kochi	1650-1700
MISO 01	ON THE NEED TO REGULATE THE <i>THALLUVALAI</i> FISHERY ALONG PALK BAY, SOUTHEAST COAST OF INDIA M Rajamani* and A Palanichamy CMFRI, Mandapam Camp	1700-1710
MISO 02	STUDY ON MARINE COASTAL HABITATS AND ECOSYSTEMS FOR INTEGRATED COASTAL ZONE MANAGEMENT (ICZM) OF IRAN, BY GIS Fereidoon Owfi*, Mahnaz Rabbaniha Iranian Fisheries Research Organization, Tehran, Iran	1710-1720

**DAY 1**

MSO 03	MUSSEL RESOURCES AND FISHERY ALONG THE EAST COAST OF INDIA R Thangavelu*, T S Velayudhan, H Mohamad Kasim, P Poovannan and S N Sethi CMFRI, Chennai	1720-1730
MSO 04	QUANTITATIVE CHANGES IN TRAWL LANDINGS AT KASIMEDU, CHENNAI DURING 1998-2007 G Mohanraj*, H Mohamad Kasim, Shoba Joe Kizhakudan, S Lakshmi Pillai, S N Sethi, R Thangavelu, S Mohan, P Thirumilu, S Rajapackiam, S Gomathy, P Poovannan, G Srinivasan and P Vasu CMFRI, Chennai	1730-1740
MSO 05	SALINITY AND pH TOLERANCE BY THE MUDSPINY LOBSTER <i>PANULIRUS POLYPHAGUS</i> (HERBST, 1793) AND THE SAND LOBSTER <i>THENUS ORIENTALIS</i> (LUND, 1793) HELD IN CAPTIVITY Joe K Kizhakudan* and S K Patel CMFRI, Chennai	1740-1750
MSO 06	EFFECT OF DIET ON GROWTH OF THE MUDSPINY LOBSTER <i>PANULIRUS POLYPHAGUS</i> (HERBST, 1793) AND THE SAND LOBSTER <i>THENUS ORIENTALIS</i> (LUND, 1793) HELD IN CAPTIVITY Joe K Kizhakudan* and S K Patel CMFRI, Chennai	1750-1800

**Day 2; Date: 10.2.2009****DAY 2****POSTER SESSION: MS & EA**

Code	Title, Author, Affiliation	Time
MSP 08	SOCIOECONOMIC TRANSFORMATION OF FISHING COMMUNITIES AFTER THE INDIAN OCEAN TSUNAMI OF 2004 Sangeetha K Prathap* and P P Sajitha Cochin University of Science and Technology, Kochi	0900-1000
MSP 09	OCEANIC TUNA RESOURCES IN ANDAMAN AND NICOBAR WATERS AND ITS PRESENT STATUS V S Somvanshi, A Anrose*, M K Sinha, A B Kar and S K Pattnayak Fishery Survey of India, Port Blair, Andaman & Nicobar Islands	0900-1000
MSP 10	OPPORTUNITIES OF COMMUNITY BASED FISHERIES MANAGEMENT IN ORISSA Pranaya Kumar Parida* and K Murali AFPRO, Bhubaneswar, Orissa	0900-1000
MSP 11	SOCIOECONOMIC APPRAISAL ON SECONDARY AND TERTIARY SECTORS OF MARINE FISHERIES OF GUJARAT: A CASE STUDY V P Vipinkumar*, G Mohanraj, K V Somasekharan Nair, P K Asokan and S Ghosh Central Marine Fisheries Research Institute, Cochin	0900-1000
MSP 12	MARINE FISHERY RESOURCES OF GUJARAT Shubhadeep Ghosh*, Gulshad Mohammed, G Mohanraj and P K Asokan CMFRI, Veraval, Gujarat	0900-1000
MSP 13	STATUS OF BIVALVE FISHERY IN ENNORE ESTUARY S N Sethi*, R Thangavelu and P Poovannan CMFRI, Chennai	0900-1000

**DAY 2**

MSP 14	STUDIES ON SEASONAL VARIATIONS IN <i>PENAEUS MONODON</i> CULTURE R Srinivas* and C Manjulatha Andhra University, Visakhapatnam, Andhra Pradesh	0900-1000
MSP 15	FISHERY AND BIOLOGY OF THE EDIBLE OYSTER <i>CRASSOSTREA MADRASENSIS</i> FROM THE UPPANAR ESTUARY, CUDDALORE R Thangavelu*, P Poovannan and S N Sethi CMFRI, Chennai	0900-1000
MSP 16	EFFECT OF GLYCINE, A FEED ATTRACTANT AFFECTING GROWTH AND FEED CONVERSION OF JUVENILE BELUGA <i>HUSO HUSO</i> A Hosseinpour Zelati*, M Nikoo, S A Hosseini and M Sudagar Mazandaran Jihad-Agriculture, Sari, Iran	0900-1000
MSP 17	DEVELOPMENT AND VALIDATION OF COASTAL ZONE MANAGEMENT PLAN - A CASE OF ACTION RESEARCH THROUGH COMMUNITY PARTICIPATION Nikita Gopal*, Krishna Srinath, S Balasubramaniam, P Pravin and S Ashaletha Central Institute of Fisheries Technology, Cochin	0900-1000
MSP 18	APPLICABILITY OF TURTLE EXCLUDER DEVICE IN TRAWL NETS G Sudhakara Rao* VUDA Colony, Mathurawada, Visakhapatnam	0900-1000
MSP 19	SIGNIFICANCE OF SMALL PELAGICS IN THE MARINE ECOSYSTEM IN SUSTAINING THE STOCK AND FISHERY OF INDIAN SEAS E M Abdussamad* and N G K Pillai Central Marine Fisheries Research Institute, Kochi	0900-1000

**DAY 2**

MSP 20	RESURRECTION AND PROSPECTS OF BRACKISHWATER CANAL FISHERY – A CASE STUDY Madhumita Mukherjee*, Debasish Kumar Khatua and Sandip Kumar Mondal Department of Fisheries, Government of West Bengal, Pailan	0900-1000
MSP 21	ENDANGERED MARINE FISH SPECIES OF THE PERSIAN GULF, IRANIAN WATERS Fereidoon Owfi*, Mohammad Reza Fatemi, Abbas Ali Motallebi and Brian Coad Iranian Fisheries Research Organization, Tehran, Iran	0900-1000
MSP 22	GROWTH AND POPULATION DYNAMICS OF SHORT-NECK CLAM <i>PAPHIA MALABARICA</i> FROM DHARMADOM ESTUARY, NORTH KERALA, SOUTHWEST COAST OF INDIA Sujitha Thomas* and M Nasser CMFRI, Mangalore, Karnataka	0900-1000
MSP 23	AN ANALYSIS OF ELASMOBRANCH FISHERY AT RAMESWARAM Rekha J Nair*, S G Raje and E Vivekanandan Central Marine Fisheries Research Institute, Kochi	0900-1000
MSP 24	GEO-TEMPORAL DISTRIBUTION OF JUVENILE AND ADULT THREADFIN BREEM, <i>NEMIPTERUS MESOPRION</i> IN THE TRAWL FISHERY OF KARNATAKA COAST A P Dineshbabu*, Sujitha Thomas and E V Radhakrishnan Central Marine Fisheries Research Institute, Mangalore	0900-1000
MSP 25	CATCH ESTIMATION OF HILSA IN WEST BENGAL: AN APPROACH TOWARDS CONSERVATION Madhumita Mukherjee, Chinmoy Chakraborty*, Saptarshi Mandal and Prasanta Kumar Jana Department of Fisheries, Government of West Bengal, Pailan	0900-1000

**DAY 2**

MSP 26	MARINE BIODIVERSITY CONSERVATION: A MYTH OR REALITY? S Balu Central Institute of Fisheries Nautical Engineering and Training, Visakhapatnam	0900-1000
MSP 27	POPULATION VARIATION IN THE INDIAN CICHLID, <i>ETROPLUS SURATENSIS</i> (BLOCH) THE PEARLSPOT OF PENINSULAR INDIA G P Mahobia*, K C George and E G Silas Regional Tasar Research Station, Jagdalpur, Bastar, Chhattisgarh	0900-1000
EAP 01	PRIMARY PRODUCTION AND NUTRIENT FLUXES IN A MICROTIDAL ESTUARY OF SEFID-ROOD RIVER (SOUTH CASPIAN SEA) M R Rahimibashar*, S M R Fatemi, A Esmaili-shari, S A Nezami, V Alipoor and S M Almasi Islamic Azad University, Lahijan, Iran	0900-1000
EAP 02	AEROBIC HETEROTROPHIC BACTERIAL DIVERSITY IN THE ESTUARINE ENVIRONMENT IN THE SOUTHWEST COAST OF INDIA A Palavesam* and T Selvamohan Manonmaniam Sundaranar University, Rajakkamangalam, Tamilnadu	0900-1000
EAP 03	COMPARISON OF DIFFERENT MULTI-SPECTRAL SENSORS FOR MAPPING SMALL MANGROVE AREAS – A STUDY IN VAROLI ESTUARY, SOUTH GUJARAT S Bhatt*, D G Shah and N Desai The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat	0900-1000
EAP 04	TROPHIC LEVEL OF FISHES OCCURRING ALONG THE INDIAN COAST E Vivekanandan*, S Gomathy and P Thirumilu Central Marine Fisheries Research Institute, Cochin	0900-1000

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EAP 05	MAPPING SEAGRASS RESOURCES OF THE GULF OF MANNAR MARINE BIOSPHERE RESERVES Susila*, T Thangaradjou, P Anantharaman and K Sivakumar Annamalai University, Parangipettai, Tamilnadu	0900-1000
EAP 06	BEAK LENGTH ANALYSIS OF <i>UROTEUTHIS DUVAUCELI</i> (D'ORBIGNY, 1835 IN FÉRUSSAC AND D'ORBIGNY, 1834-1848) AND <i>STHENOTEUTHIS OUALANIENSIS</i> (LESSON, 1830 IN 1830-1831) OCCURRING ALONG NORTHWEST INDIAN EEZ Sijo P Varghese* and V S Somvanshi Fishery Survey of India, Mumbai	0900-1000
EAP 07	PLANKTON PRODUCTIVITY OF ANDAMAN WATERS DURING WINTER MONSOON N V Madhu*, H Habeebrehman, M P Prabhakaran and R Jyothibabu National Institute of Oceanography, Kochi	0900-1000
EAP 08	ENVIRONMENTAL AND BIODIVERSITY STATUS OF THE WETLAND ECOSYSTEMS OF INDIA AND WAYS FOR REJUVENATION S Bijoy Nandan Cochin University of Science and Technology, Kochi	0900-1000
EAP 09	DISTRIBUTION OF MESOZOOPLANKTON IN THE COASTAL WATERS OF SUNDARBAN WETLAND, NORTHEASTERN BAY OF BENGAL, INDIA Bhaskar Deb Bhattacharya*, Rosamma Stephen, Shuhei Nishida and Santosh Kumar Sarkar University of Calcutta, Kolkata	0900-1000
EAP 10	INFLUENCE OF PHYSIO-CHEMICAL PARAMETERS ON SEX RATIO AND SPAWNING OF GREEN TIGER PRAWN <i>PENAEUS (PENAEUS) SEMISULCATUS DE HAAN</i> AT PALK BAY AND GULF OF MANNAR K Sivachandrabose* and C Suseelan Thiruvalluvar University, Vellore, Tamil Nadu	0900-1000

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EAP 11	POTENTIALLY HARMFUL DINOFLAGELLATES OF THE INDIAN EEZ K B Padmakumar*, V N Sanjeevan and N R Menon Centre for Marine Living Resources and Ecology, Kochi	0900-1000
EAP 12	BIOMONITORING HEAVY METALS IN MARINE MACROALGAE FROM KUDANKULAM COAST, GULF OF MANNAR, INDIA S Godwin Wesley, Y Lenin Raj* and K G Varughese Scott Christian College, Nagercoil, Tamil Nadu	0900-1000
EAP 13	STATUS AND CONSERVATION NEED OF CORAL REEFS IN GULF OF KACHCHH, GUJARAT, INDIA Dishant Parasharya*, Deepak Apte and Geeta Padate Bombay Natural History Society, Vadodara, Gujarat	0900-1000
EAP 14	BIOMASS AND PRODUCTIVITY OF SEAGRASS IN ANDAMAN AND NICOBAR GROUP OF ISLANDS T Thangaradjou*, E Dilipan, E P Nobil and K Sivakumar Annamalai University, Parangipettai, Tamilnadu	0900-1000
EAP 15	ASSESSMENT AND MONITORING OF LAND AND WATER RESOURCES FOR FISHERIES – A MICROLEVEL STUDY USING GIS V Radhakrishnan Nair Central Institute of Fisheries Technology, Cochin	0900-1000
<b>ORAL PRESENTATION : MS &amp; EA</b>		
MSO 07	TECHNOLOGIES FOR RESPONSIBLE FISHING M R Boopendranath* and P Pravin Central Institute of Fisheries Technology, Cochin	1000-1010
MSO 08	PRELIMINARY RESULTS OF TUNA TAGGING STUDIES CONDUCTED IN THE INDIAN EEZ S Varghese* and V S Somvanshi Fishery Survey of India, Mumbai	1010-1020

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MSO 09	STATUS OF FISHERIES OF ANDROTT (LAKSHADWEEP) K P Said Koya*, V A Kunhi Koya, A Anasu Koya and K Mohammed Koya Central Marine Fisheries Research Institute, Cochin	1020-1030
MSO 10	COMPARISON OF BIOLOGICAL CHARACTERISTICS OF CUTTLEFISH EXPLOITED BY FAD-ASSISTED AND UNASSISTED FISHING METHODS Geetha Sasikumar*, K Sunil Mohamed and D Nagaraja Central Marine Fisheries Research Institute, Mangalore, Karnataka	1030-1040
MSO 11	FUEL CONSUMPTION BY MOTORIZED FISHING SECTOR IN ANDHRA PRADESH J Charles Jeeva*, Nikita Gopal and G R Unnithan Central Institute of Fisheries Technology, Cochin	1040-1050
MSO 12	RAY FISHERY BY TRAWLERS OFF CHENNAI AND SOME ASPECTS OF BIOLOGY OF THE SCALY WHIPRAY <i>HIMANTURA IMBRICATA</i> (BLOCH & SCHNEIDER, 1801) Shoba Joe Kizhakudan*, G Mohanraj, T Hameed Batcha and S Rajapackiam CMFRI, Chennai	1050-1100
MSO 13	TECHNOLOGICAL ADVANCEMENT IN SHRIMP TRAWLING NECESSITATES LIFE-CYCLE BASED RESOURCE MANAGEMENT FOR SUSTAINABLE PRODUCTION A P Dineshbabu* and E V Radhakrishnan Central Marine Fisheries Research Institute, Mangalore	1100-1110
MSO 14	ENHANCED CO-OPERATION AND COLLABORATION FOR MEETING THE 2012 GLOBAL TARGET OF ESTABLISHING A NETWORK OF MARINE AND COASTAL PROTECTED AREAS IN SOUTH ASIA Nishanthi Perera* and Kristian Teleki University of Colombo, Colombo, Sri Lanka	1110-1120

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MSO 15	CHANGES IN DOMINANCE IN MARINE FISH LANDINGS OF COMMERCIALLY IMPORTANT SPECIES IN KERALA AND KARNATAKA PREDICTED THROUGH MARKOV CHAIN ANALYSIS T V Sathianandan*, K S Mohamed, P U Zacharia, P K Asokan, P K Krishnakumar, K P Abdurahiman, S Veena and Ravi Durgekar Central Marine Fisheries Research Institute, Kochi	1130-1140
MSO 16	GASTROPOD DISTRIBUTION, DIVERSITY AND DISCARDS IN TRAWL FISHERY ALONG THE COAST OF KARNATAKA, WEST COAST OF INDIA Sujitha Thomas*, A P Dineshbabu, Geetha Sasikumar, E V Radhakrishnan and G D Nataraj Central Marine Fisheries Research Institute, Mangalore	1140-1150
MSO 17	REPRODUCTION OF <i>OCTOPUS AEGINA</i> IN MANDAPAM WATERS Boby Ignatius* and M Srinivasan Central Marine Fisheries Research Institute, Kochi	1150-1200
MSO 18	MODELLING MARINE FISHERIES OF SOUTHWEST COAST OF INDIA: COMPARISON OF EXPONENTIAL SMOOTHING, ARIMA AND ARTIFICIAL NEURAL NETWORK MODELS M Srinath*, Somy Kuriakose and K G Mini Central Marine Fisheries Research Institute, Kochi	1200-1210
MSO 19	STATUS OF THREATENED AND PROTECTED SPECIES TRADE IN THE MARINE FISHERY SECTOR OF INDIA B M Praveen Kumar* and Sajan John Wildlife Institute of India, Dehradun, Uttarakhand	1210-1220
MSO 20	MARINE FISH LANDINGS IN INDIA- A MULTIVARIATE CLUSTERING OF SPATIAL FOUNTAINHEADS Somy Kuriakose* and J Jayasankar Central Marine Fisheries Research Institute, Cochin	1220-1230

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MSO 21	AN ASSESSMENT OF THE LOW-VALUE BYCATCH IN BOTTOM TRAWL LANDING AT KASIMEDU, CHENNAI S Lakshmi Pillai*, Shoba Joe Kizhakudan, G Mohanraj, P Thirumilu, S Gomathy and P Poovannan Central Marine Fisheries Research Institute, Cochin	1230-1240
MSO 22	INVESTIGATIONS ON THE TRAWL DISCARDS ALONG THE MALABAR COAST P P Manojkumar* and K K Philipose Central Marine Fisheries Research Institute, Calicut	1240-1250
MSO 23	YELLOWFIN TUNA FISHERY OF ANDHRA PRADESH, EAST COAST OF INDIA Prathibha Rohit* and K Rammohan Central Marine Fisheries Research Institute, Visakhapatnam, Andhra Pradesh	1250-1300
MSO 24	USE OF DIFFERENT SAMPLING STRATEGIES FOR THE ESTIMATION OF MARINE FISH LANDINGS: A STUDY BASED ON LANDINGS DATA FROM NEENDAKARA FISHERIES HARBOUR, KERALA, INDIA K G Mini* and M Kumaran Central Marine Fisheries Research Institute, Cochin	1300-1310
EAO 01	SENSITIVITY OF GIS-BASED INTERPOLATION TECHNIQUES IN ASSESSING WATER QUALITY PARAMETERS OF PORT BLAIR BAY, A & N ISLANDS Dilip Kumar Jha*, Anup Das, N Saravanane, A K Abdul Nazar and R Kirubakaran National Institute of Ocean Technology, Port Blair, A & N Islands	1410-1420
EAO 02	ECOLOGICAL CHARACTERISTICS ASSOCIATED WITH THE POLAR BRYOZOANS Soja Louis* and N R Menon Cochin University of Science and Technology, Kochi	1420-1430



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EAO 03	CRAB FISHERY OFF KOZHIKODE (KERALA), SOUTHWEST COAST OF INDIA WITH SPECIAL REFERENCE TO THE POPULATION CHARACTERISTICS AND STOCK ASSESSMENT OF <i>PORTUNUS SANGUINOLENTUS</i> P T Sarada Central Marine Fisheries Research Institute, Kozhikode	1430-1440
EAO 04	SEDIMENTATION PATTERN IN PIROTAN REEF, GULF OF KUCHCHH, INDIA: A CASE STUDY Nayruti S Bhattji* and Nandini Ray Chaudhury M S University of Baroda, Vadodara, Gujarat	1440-1450
EAO 05	SPATIO-TEMPORAL VARIATION IN PHYSICOCHEMICAL PROPERTIES OF COASTAL WATERS OF KALPAKKAM, SOUTHEAST COAST OF INDIA A K Mohanty*, S Biswas, U Natesan, M V R Prasad and K K Satpathy Indira Gandhi Centre for Atomic Research, Kalpakkam, Tamil Nadu	1450-1500
EAO 06	IDENTIFICATION OF MARICULTURE SITES IN ANDAMAN GROUP OF ISLANDS, INDIA USING REMOTE SENSING AND GIS TECHNOLOGIES - A PILOT STUDY E P Nobi*, T Thangaradjou, K Sivakumar and E Dilipan Annamalai University, Parangipettai, Tamilnadu	1500-1510
EAO 07	HYDROLOGICAL CONDITIONS OF SEAGRASS BEDS IN PALK BAY AND GULF OF MANNAR, SOUTHEAST COAST OF INDIA Bindu Sulochanan*, A K Kumaraguru and Laxman Shankar Korabu Central Marine Fisheries Research Institute, Mandapam Camp, Tamilnadu	1510-1520

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EAO 08	BIODIVERSITY OF STRESSED FISHING ZONES IN KERALA AND KARNATAKA AND IDENTIFICATION OF MARINE PROTECTED AREAS K S Mohamed*, T V Sathianandan, P K Krishnakumar, P U Zacharia, P K Asokan, K P Abdurahiman, R N Durgekar and V Shettigar Central Marine Fisheries Research Institute, Kochi	1520-1530
EAO 09	IMPACT OF RIVER DISCHARGE ON PHYSICOCHEMICAL CHARACTERISTICS AND PRODUCTIVITY OF COASTAL WATERS IN THE VICINITY OF THE BARMOUTH OF RIVER BHADAR AT NAVIBANDAR (GUJARAT) Shoba Joe Kizhakudan*, Joe K Kizhakudan, D Prema and H M Bhint CMFRI, Chennai	1550-1600
EAO 10	SPATIAL AND TEMPORAL DISTRIBUTIONS OF COMMERCIAL FISHERIES RESOURCES ALONG THE INDIAN COAST J Jayasankar*, Somy Kuriakose and E Vivekanandan Central Marine Fisheries Research Institute, Kochi	1600-1610
EAO 11	TEMPORAL PATTERNS IN CEPHALOPOD LANDINGS AND APPLICATION OF NON-EQUILIBRIUM PRODUCTION MODEL TO THE CEPHALOPOD FISHERY OF KARNATAKA Geetha Sasikumar*, K Sunil Mohamed and D Nagaraja Central Marine Fisheries Research Institute, Mangalore	1610-1620
EAO 12	FORMATION OF PERSISTENT AND NON-PERSISTENT MUDBANKS OFF KERALA A C Dinesh* and C Jayaprakash Geological Survey of India, Mangalore	1620-1630

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EAO 13	PHYSICOCHEMICAL CHARACTERS AND TRACE METALS IN THE SURFACE WATERS OF INNERSHELF OF BAY OF BENGAL OFF CHENNAI, INDIA R Kannan*, V Kannan, V Ram Mohan, S Srinivasalu and M Jayaprakash University of Madras, Chennai	1630-1640
EAO 14	DISTRIBUTION AND ABUNDANCE OF DEEP SEA FISHES ALONG THE WEST COAST OF INDIA B Madhusoodana Kurup Cochin University of Science and Technology, Cochin	1640-1650
EAO 15	DISTRIBUTION AND ABUNDANCE OF THE DEEPSEA FISH FAMILIES PHOTICHTYIDAE AND STERNOPTYCHIDAE IN THE INDIAN EEZ Vimala Persis*, P K Karuppasamy, S Balu, Simmy George, N G Menon and K Balachandran Madras Christian College, Tambaram, Chennai	1650-1700

**Day 3; Date: 11.2.2009****DAY 3****POSTER SESSION : EA, OP & CC**

Code	Title, Author, Affiliation	Time
EAP 16	SEMIDIURNAL VARIATIONS AND NET TRANSPORT OF SOME CHEMICAL AND BIOLOGICAL CONSTITUENTS IN A TROPICAL ESTUARY M Rafeeq*, K H Fausia, Shivaprasad and K R Muraleedharan National Institute of Oceanography, Kochi	0900-1000
EAP 17	DISTRIBUTION OF MEIOBENTHOS IN AND AROUND THE INDIAN OCEAN SECTOR OF SOUTHERN OCEAN P R Anil Kumar*, Nandini Menon, K U Abdul Jaleel, Eldos P Mani, Nousher Khan, V N Sanjeevan and Rosamma Philip Cochin University of Science and Technology, Kochi	0900-1000
EAP 18	SPATIAL AND BATHYMETRICAL DISTRIBUTION OF DEEPSEA PERCIFORM FISHES FROM SOUTHWEST COAST OF INDIA S Venu * and B Madhusoodana Kurup Pondicherry University, Port Blair, Andamans	0900-1000
EAP 19	DEEPSEA CHONDRICHTHYANS - A STUDY AT COCHIN FISHERIES HARBOUR, KERALA, INDIA K V Akhilesh*, U Ganga, N G K Pillai, Hashim Manjebrayakath, K K Bineesh and C P Rajool Shanis Central Marine Fisheries Research Institute, Cochin	0900-1000
EAP 20	ANTHROPOGENIC THREATS TO THE MARINE ECOSYSTEM WITH SPECIAL EMPHASIS TO THE REEF ECOSYSTEM M Kathiresan*, P Santhanam, S Aanand and K Sivakumar Bharathidasan University, Tiruchirappalli, Tamilnadu	0900-1000
EAP 21	ANALYSIS OF SURVEY DATA OF <i>NEMIPTERUS JAPONICUS</i> CAUGHT ALONG THE WEST COAST OF INDIA USING R-PACKAGE D K Gulati* and V S Somvanshi Fishery Survey of India, Mumbai	0900-1000

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EAP 22	EFFECT OF FISHING AND AQUACULTURE ON COASTAL ECOSYSTEM Naciye Erdođan, Ertuđ Düzgüneđ and Nazlý Kasapođlu* Odü Fatsa Deniz Bilimleri Fakültesi, Balýkçýlýk Teknolojisi Mühendisliđi Bölümü 52400, Ordu, Turkey	0900-1000
EAP 23	PROXIMATE COMPOSITION OF SELECTED SPECIES OF DEEP SEA FISHES OF INDIAN EEZ R Remya* and B Madhusoodana Kurup Cochin University of Science and Technology, Cochin	0900-1000
EAP 24	LIFE HISTORY TRAITS OF DEEP SEA FISHES OF THE FAMILY CHLOROPHTHALMIDAE WITH SPECIAL REFERENCE TO <i>CHLOROPHTHALMUS NIGROMARGINATUS</i> FROM THE SOUTHWEST COAST OF INDIA S Venu*, Sherine Sonia Cubelio and B Madhusoodana Kurup Cochin University of Science and Technology, Cochin	0900-1000
EAP 25	DIETARY COMPOSITION OF THE SAILFISH <i>ISTIOPHORUS PLATYPTERUS</i> SHAW AND NODDER, 1792 FROM PARANGIPETTAI, SOUTHEAST COAST OF INDIA V Ravi* and V Sekar Annamalai University, Parangipettai, Tamil Nadu	0900-1000
EAP 26	CORRELATION BETWEEN COLOURED DISSOLVED ORGANIC MATTER (C-DOM) AND PHYTOPLANKTON PRODUCTIVITY N Nandini Menon* Cochin University of Science & Technology, Cochin	0900-1000
EAP 27	LENGTH-WEIGHT RELATIONSHIP OF <i>VINCIGUERRIA NIMBARIA</i> AND <i>V LUCETIA</i> Vimala Persis*, P K Karuppasamy, S Balu, Simmy George, N G Menon and K Balachandran Madras Christian College, Tambaram, Chennai	0900-1000

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EAP 28	ASSESSING ESTUARINE BIOFILM BACTERIAL DIVERSITY BY 16S RNA CLONE LIBRARY-A METAGENOMIC APPROACH M K Vidhya, Santhya C Nair, S L Geetha and K Harikrishnan Rajiv Gandhi Centre of Biotechnology, Trivandrum	0900-1000
OPP 01	BIOTECHNOLOGICAL APPROACH IN ENVIRONMENTAL IMPACT ASSESSMENT FOR COASTAL AQUACULTURE S G Yeragi K J Somaiya College of Science and Commerce, Mumbai	0900-1000
OPP 02	THE BIOACTIVE COMPOUNDS OF LATEX OF <i>CALOTROPIS GIGANTEA</i> ON ANTIMICROBIAL ACTIVITY IN DIFFERENT FISHES Kadem Ramudu* and Kanuru Sree Latha Tagore Arts College, Puducherry	0900-1000
OPP 03	GROWTH RESPONSES OF <i>PENAEUS MONODON</i> UNDER SEMI-INTENSIVE AND TRADITIONAL CULTURE SYSTEMS Cilla Abraham* and C K Radhakrishnan CUSAT, Kochi	0900-1000
OPP 04	OCCURRENCE OF THE INVASIVE MUSSEL <i>MUSCULISTA SENHOUSIA</i> IN THE COCHIN BACKWATERS K Shiny Sreedhar* and C K Radhakrishnan Cochin University of Science and Technology, Cochin	0900-1000
OPP 05	EVALUATION OF ANALGESIC AND ANTI-INFLAMMATORY ACTIVITY OF RAY FISH CARTILAGE V Ravitchandirane* and T Sheela Centre for Post-Graduate Studies, Puducherry	0900-1000
OPP 06	ECOFRIENDLY FATTENING OF MUD CRAB: AN APPROACH OF AQUASILVICULTURE IN MANGROVE ENVIRONMENT OF ANDAMAN ISLANDS J Santhanakumar*, A K Abdul Nazar, N V Vinithkumar and R Kirubakaran National Institute of Ocean Technology, Port Blair, A&N Islands	0900-1000

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OPP 07	STUDIES ON BIOCHEMICAL COMPOSITION OF COPEPOD <i>OITHONA RIGIDA</i> GIESBRECHT COMPARED WITH ROTIFER <i>BRACHIONUS PLICATILIS</i> AND BRANCHIOPOD <i>ARTEMIA</i> NAUPLII P Santhanam and P Perumal Bharathidasan University, Tiruchirappalli, Tamil Nadu	0900-1000
OPP 08	ANTI-RHIZOCTONIA ACTIVITY OF <i>STREPTOMYCES LIENOMYCINI</i> , A MARINE ISOLATE T Ganesan*, A Venkatesan, D Rajarajan, P Muruganathan and G Narchonai Tagore Arts College, Pondicherry	0900-1000
OPP 09	ANTIMICROBIAL PEPTIDES FROM MARINE FISHES G Rameshkumar*, S Ravichandran, T T Ajith Kumar and T Shunmugaraj Annamalai University, Parangipettai, Tamil Nadu	0900-1000
OPP 10	EMPLOYMENT OPPORTUNITIES FOR WOMEN SELF-HELP GROUPS IN THE MARINE SECTOR IN ORISSA: ROLE OF BANK CREDIT Nirupama Panda Central Institute of Freshwater Aquaculture, Bhubaneswar, Orissa	0900-1000
OPP 11	LIVELIHOOD SECURITY AND ENTREPRENEUR OPPORTUNITIES IN COASTAL FISHERIES OF ANDHRA PRADESH K Kamalraj National Institute of Fisheries Post-Harvest Technology & Training, Visakhapatnam, Andhra Pradesh	0900-1000
OPP 12	MARINE FUNGI AS SOURCE OF $\beta$ GLUCOSIDASE ENZYME FOR BIOETHANOL PRODUCTION Abraham Mathew*, K K Elyas, S Rajeev Kumar and K Sapna Cochin University of Science and Technology, Cochin	0900-1000

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OPP 13	SEA-CAGE CULTURE OF BIGEYE TREVALLY <i>CARANX SEXFASCIATUS</i> QUOY & GAIMARD, 1825 IN VIZHINJAM BAY, SOUTHWEST COAST OF INDIA M K Anil*, B Raju, Jose Kingsly, K T Thomas and A Udayakumar Central Marine Fisheries Research Institute, Vizhinjam, Kerala	0900-1000
OPP 14	EFFECT OF DIETARY SALT ON SURVIVAL AND GROWTH OF ASIAN SEA BASS ( <i>LATES CALCARIFER</i> BLOCH) FINGERLINGS REARED IN FRESHWATER A Jesu Arockiaraj* and S Appelbaum The Jacob Blaustein Institute for Desert Research, Ben-Gurion University of the Negev, Sde Boker Campus 84990, Israel	0900-1000
OPP 15	SERINE PROTEASE ENZYME INHIBITOR FROM MARINE BACTERIA: IMPLICATIONS FOR INHIBITION OF MICROBIAL GROWTH K Sapna*, P P Manzur Ali, Abraham Mathew and K K Elyas Cochin University of Science and Technology, Cochin	0900-1000
OPP 16	MESOPELAGIC ORGANISMS FROM THE DEEP SCATTERING LAYER OF CENTRAL ARABIAN SEA DURING THE SUMMER MONSOON P K Karuppasamy, V Divya, A Biju, K R Muraleedharan* and N V Madhu National Institute of Oceanography, Kochi	0900-1000
CCP 01	GENETIC MANIPULATION TO COMBAT CLIMATE CHANGE Jyothi V. Mallia Malad Highway View CHS, Malad (E), Mumbai	0900-1000
CCP 02	SEA SURFACE TEMPERATURE CHANGES AND DISTRIBUTION SHIFTS OF INDIAN MACKEREL <i>RASTRELLIGER KANAGURTA</i> P K Asokan*, P K Krishnakumar and Shubhadeep Ghosh Central Marine Fisheries Research Institute, Kochi	0900-1000

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CCP 03	EFFECT OF TEMPERATURE AND NUTRIENTS ON GROWTH OF MARINE ALGAE B Jasper, Joe K Kizhakudan*, E Vivekanandan and H Mohamad Kasim CMFRI, Chennai	0900-1000
CCP 04	GLOBAL WARMING, CLIMATE CHANGE AND CORAL REEF BLEACHING Zahra Khoshnood * and Reza Khoshnood International Campus of Tarbiat Modares University, Noor, Mazandaran, Iran	0900-1000
CCP 05	MINIMIZING THE GLOBAL WARMING EFFECTS ON MARINE ENVIRONMENT Zahra Khoshnood*, Reza Khoshnood and Saeedeh Mosafer International Campus of Tarbiat Modares University, Noor, Mazandaran, Iran	0900-1000
CCP 06	THE CORAL REEF ECOSYSTEMS IN INDIAN WATERS: STATUS, DIVERSITY AND THREATS M. Hussain Ali* and K. Vijayakumaran Cranes Software Ltd., Bangalore	0900-1000
<b>ORAL PRESENTATION : CC; EA &amp; OP</b>		
CCO 01	<b>Keynote Address</b> IMPACTS OF CLIMATE CHANGE ON MARINE ECOSYSTEMS AND FISHERIES K M Brander DTU Aqua, Denmark	1000-1040
CCO 02	IS ARABIAN SEA RESPONDING TO GLOBAL WARMING AND UNDERGOING A CLIMATE SHIFT? S Prasanna Kumar*, Raj P Roshin, Jaya Narvekar, P K Dinesh Kumar and E Vivekanandan National Institute of Oceanography, Goa	1040-1050

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CCO 03	IMPACT OF EXTREME CLIMATIC EVENTS ON BRACKISHWATER AQUACULTURE M Muralidhar*, B P Gupta, M Jayanthi, M Krishnan and A G Ponniah Central Institute of Brackishwater Aquaculture, Chennai	1050-1100
CCO 04	OPTIONS ON FISHERIES AND AQUACULTURE FOR COPING WITH CLIMATE CHANGE IN INDIA E Vivekanandan* and M Rajagopalan Central Marine Fisheries Research Institute, Cochin	1100-1110
CCO 05	RESPONSE OF OIL SARDINE OF KERALA WITH SPECIAL REFERENCE TO EXTREME OCEANOGRAPHIC EVENTS K J Thara*, Phiros Shah and R Sajeev Cochin University of Science and Technology, Kochi	1110-1120
CCO 06	CLIMATE CHANGE ON OCEAN, COASTAL ECOSYSTEM AND SMALL ISLANDS — A DEVELOPMENTAL APPROACH J Sundaresan*, A L Ramanathan, S Sreekesh, M A A Khan and Prakash Chand National Institute of Science Communication and Information Resources, New Delhi	1130-1140
CCO 07	CARBON CREDITS FOR THE SEAWEED WEALTH OF INDIAN COAST: OBSERVATION AND PROJECTION P Kaladharan*, S Veena and E Vivekanandan Visakhapatnam Regional Centre of CMFRI, Visakhapatnam	1140-1150
CCO 08	THE POTENTIAL IMPACT OF CLIMATE CHANGE ON BIOLOGY AND FISHERY OF SHRIMPS IN INDIAN WATERS E V Radhakrishnan* and A P Dineshbabu Central Marine Fisheries Research Institute, Cochin	1150-1200

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CCO 09	RELATIONSHIP BETWEEN CLIMATIC VARIABLES, AND OIL SARDINE AND INDIAN MACKEREL LANDINGS IN KERALA: A MULTIVARIATE MODELLING INQUIRY E Vivekanandan, J Jayasankar* and K Ratheesan Central Marine Fisheries Research Institute, Kochi	1200-1210
CCO 10	TEMPORAL CHANGES IN THE CLIMATIC AND OCEANOGRAPHIC VARIABLES OFF KERALA E Vivekanandan, K Ratheesan, U Manjusha, R Remya* and T V Ambrose Central Marine Fisheries Research Institute, Kochi	1210-1220
EAO 16	DISTRIBUTIONAL VARIABILITY OF PHYSICOCHEMICAL PARAMETERS IN AZHEEKODE ESTUARY, KERALA M Joyni Jacob* and B Madhusoodana Kurup Cochin University of Science and Technology, Cochin	1220-1230
EAO 17	STUDY AND IDENTIFICATION OF PHYTOPLANKTON SPECIES IN TAJAN ESTUARY IN A SOUTH CASPIAN SEA BASIN Maryam Shapoori* and Arash Javanshir Islamic Azad University- Savadkooh Branch, Iran	1230-1240
EAO 18	HARD CORAL DIVERSITY ALONG THE SOUTHWEST COAST OF INDIA S Jasmine*, Rani Mary George, Mary Manisseri and Jose Kingsley CMFRI, Vizhinjam, Thiruvananthapuram	1240-1250
EAO 19	LIFE HISTORY TRAITS AND LENGTH-WEIGHT RELATIONSHIP OF SELECTED DEEPSEA FISHES INHABITING THE CONTINENTAL SLOPE BEYOND 400 m DEPTH OFF WESTCOAST OF INDIA B Madhusoodhana Kurup and V M Divya* Cochin University of Science and Technology, Cochin	1250-1300

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OPO 01	<b>Keynote Address</b> SCOPE FOR RESEARCH ON SPAWN BIOLOGY OF TELEOSTEAN FISHES T J Pandian Madurai Kamaraj University, Madurai	1400-1430
OPO 02	PCR APPROACH FOR FOOLPROOF GENDER IDENTIFICATION OF MARINE MAMMALS P Jayasankar* and B Anoop Central Institute of Freshwater Aquaculture, Bhubaneswar	1430-1440
OPO 03	BREEDING AND LARVICULTURE OF THE SAPPHIRE DEVIL DAMSELFISH <i>CHRYSIPTERA CYANEA</i> G Gopakumar*, I Santhosi and N Ramamurthy Central Marine Fisheries Research Institute, Mandapam Camp, Tamil Nadu	1440-1450
OPO 04	A RESEARCH REVIEW ON COPEPODS AS LIVE FEED FOR LARVICULTURE OF MARINE FINFISHES G Gopakumar* and P Vijayagopal Central Marine Fisheries Research Institute, Mandapam Camp, Tamil Nadu	1450-1500
OPO 05	EFFICACY OF SEAWEED PRODUCTS ON GROWTH AND RESISTANCE TO WHITESPOT SYNDROME VIRUS IN THE SHRIMP <i>PENAEUS MONODON</i> POSTLARVAE G Immanuel*, M Sivagnanavelmurugan, P Iyapparaj, R Ramasubburayan and A Palavesam M S University, Rajakkamangalam, Tamilnadu	1500-1510
OPO 06	ENRICHMENT OF EICOSAPENTANOIC ACID CONCENTRATES FROM SARDINE OIL BY BACTERIAL ( <i>BACILLUS CIRCULANS</i> ) LIPASE ISOLATED FROM SEAWEED <i>TURBINARIA CONOIDES</i> Kajal Chakraborty*, P Vijayagopal, K K Vijayan and I Rajendran Central Marine Fisheries Research Institute, Cochin	1510-1520



**DAY 3**

OPO 07	SPONTANEOUS SPAWNING OF <i>EPINEPHELUS TAUVINA</i> (FORSSKAL) IN CAPTIVITY Grace Mathew Central Marine Fisheries Research Institute, Kochi	1520-1530
OPO 08	ANTIBIOTIC PRODUCTION BY MARINE FUNGI FROM THE SLOPE SEDIMENTS OF ARABIAN SEAS L Smitha, Neil Scolastine Corraya and Rosamma Philip* Cochin University of Science and Technology, Kochi	1530-1540
OPO 09	AN EXPERIMENTAL POLYCULTURE OF PEARL OYSTER ( <i>PINCTADA FUCATA</i> ), SEAWEED ( <i>KAPPAPHYCUS ALVAREZII</i> ) AND ASIAN SEABASS ( <i>LATES CALCARIFER</i> ) IN CAGE OFF VISAKHAPATNAM Biswajit Dash*, Suresh Kumar Mojjada and G Syda Rao Central Marine Fisheries Research Institute, Visakhapatnam, Andhra Pradesh	1540-1550
OPO 10	MOLECULAR CLONING AND CHARACTERIZATION OF cDNA OF GONAD INHIBITING HORMONE (GIH) OF BLACK TIGER SHRIMP <i>PENAEUS MONODON</i> FROM INDIAN WATERS Reynold Peter*, K K Vijayan, C P Balasubramanian, D L Mohanlal and I S Bright Singh Central Marine Fisheries Research Institute, Kochi	1550-1600
OPO 11	ACCLIMATION AND GROWTH OF HATCHERY PRODUCED FALSE CLOWN <i>AMPHIPRION OCELLARIS</i> TO SURROGATE ANEMONES K Madhu*, Rema Madhu and K M Venugopalan Central Marine Fisheries Research Institute, Kochi	1620-1630
OPO 12	SEX CHANGE OF HATCHERY PRODUCED <i>AMPHIPRION OCELLARIS</i> : INFLUENCE OF MATING SYSTEM REMOVAL ON GONAD MATURATION AND NESTING SUCCESS Rema Madhu*, K Madhu and K M Venugopalan Central Marine Fisheries Research Institute, Kochi	1630-1640

**DAY 3**

OPO 13	BIOACTIVE STUDIES ON <i>KAPPAPHYCUS ALVAREZII</i> AGAINST BACTERIAL PATHOGENS ISOLATED FROM INFECTED MARINE ORNAMENTAL FISHES N B Dhayanithi*, T T Ajith Kumar, P Murugesan and T Balasubramanian Annamalai University, Parangipettai, Tamil Nadu	1640-1650
OPO 14	ISOLATION, CHARACTERIZATION AND BIOLOGICAL ACTIVITIES OF TOXIC COMPOUNDS FROM THE SEA ANEMONES <i>HETERACTICS MAGNIFICA</i> [QUOY AND GAIMARD, 1833] AND <i>STICODACTYLA MERTENSII</i> [BRANDT, 1835] Swagat Ghosh*, C R Delma and T T Ajith Kumar Annamalai University, Parangipettai, Tamil Nadu	1650-1700
OPO 15	ISOLATION OF MULTIPLE ENZYME PRODUCING BACTERIA ( <i>BACILLUS SUBTILIS</i> ) FROM THE POLYCHAETE, <i>PERINEREIS CULTRIFERA</i> S Elayaraja*, R Krishnaprakash, M Pravin Kumar, P Murugesan and T T Ajith Kumar Annamalai University, Parangipettai, Tamil Nadu	1700-1710
OPO 16	IMMUNOSTIMULANTS IN THE IMMUNE RESPONSE OF <i>PENAEUS MONODON</i> (FABRICIUS) K Sivakumar*, S Felix, R Saravanan and M Kathiresan Fisheries College and Research Institute, Thoothukkudi, Tamilnadu	1710-1720
OPO 17	ANTIBACTERIAL ACTIVITY OF MARINE ACTINOMYCETES AGAINST HUMAN PATHOGENS Mannangatti Krishnaraj* and Narayanasamy Mathivanan University of Madras, Guindy Campus, Chennai	1720-1730

**DAY 4****Day 4; Date: 12.2.2009****POSTER SESSION : OP & EH**

Code	Title, Author, Affiliation	Time
OPP 17	MARICULTURE OF <i>KAPPAPHYCUS ALVAREZII</i> ALONG MALABAR COAST, KERALA Gulshad Mohammed* and A Anasukoya Central Marine Fisheries Research Institute, Veraval, Gujarat	0900-0940
OPP 18	THE IMPACT OF LATEX OF <i>CALOTROPIS GIGANTEA</i> (LR) B R ON POSTLARVAE OF <i>PENAEUS INDICUS</i> Kadem Ramudu and V M Preetha Kumari* Tagore Arts College, Puducherry	0900-0940
OPP 19	FEEDING ELASTICITY OF PLANKTONIC COPEPOD <i>PSEUDODIAPTOMUS ANNANDALEI</i> (COPEPODA: CALANOIDA) C K Haridevi*, Honey U K Pillai, Vineetha Gopinath, K K Balachandran and C Revichandran National Institute of Oceanography, Kochi	0900-0940
OPP 20	ISOLATION, PURIFICATION AND PARTIAL CHARACTERISATION OF VIBRIOPHAGES FROM MANGROVE ECOSYSTEM Linda Louis*, Jeena Augustine and Sarita G Bhat Cochin University of Science and Technology, Cochin	0900-0940
OPP 21	DYNAMICS OF GROUP FORMATION, DECISION MAKING AND PERFORMANCE OF WOMEN SHGS AMONG FISHERS Nikita Gopal*, V Geethalakshmi, J Charles Jeeva, S Balasubramaniam, R Parvathy and M Nasser Central Institute of Fisheries Technology, Cochin	0900-0940
OPP 22	ISOLATION OF A NOVEL PROTEASE GENE USING METAGENOMIC APPROACH Helvin Vincent*, S Smitha and Sarita G Bhat Cochin University of Science and Technology, Cochin	0900-0940

**DAY 4**

OPP 23	CHARACTERISATION AND DIVERSITY OF POLYHYDROXYALKANOATES PRODUCING VIBRIOS INHABITING MARINE BENTHIC ENVIRONMENTS S Raghu Subin*, Siju M Varghese, M K Satheesh Kumar and Sarita G Bhat Cochin University of Science and Technology, Cochin	0900-0940
OPP 24	EDIBLE OYSTER CULTURE – AN ALTERNATIVE LIVELIHOOD FOR POVERTY STRICKEN PEOPLE OF SUNDARBANS WETLAND Madhumita Mukherjee*, Shibdas Basu, Debajit Chakraborty and Abhijit Mitra Department of Fisheries, Govt. of West Bengal, Pailan, Kolkata	0900-0940
OPP 25	MEDICINAL VALUE AND ANTIMICROBIAL PROPERTIES OF INDIAN MANGROVES: SCOPE FOR DISEASE MANAGEMENT IN AQUACULTURE D Linga Prabu*, N Jayakumar and S Arun Sudhagar Fisheries College and Research Institute, Thoothukudi, Tamilnadu	0900-0940
EHP 01	TRENDS IN THE ABUNDANCE INDICES OF LARGE PELAGICS IN THE EXPLORATORY LONGLINE SURVEYS: AN INDICATION OF OVEREXPLOITATION IN THE INDIAN OCEAN V S Somvanshi*, S Varghese, P C Rao and Sijo P Varghese Fishery Survey of India, Mumbai	0900-0940
EHP 02	INDUCTION OF PERIPHERAL ERYTHROCYTIC NUCLEAR LESIONS IN THE ASIAN CICHLID, <i>ETROPLUS SURATENSIS</i> (BLOCH) BY CADMIUM M Muruganandam* and I D Gupta Central Soil and Water Conservation Research and Training Institute, Dehra Dun	0900-0940

**DAY 4**

EHP 03	STUDIES ON POPULATION STRUCTURE, BURROWING NATURE AND TOXICITY OF HEAVY METALS TO <i>DONAX</i> SPP. FROM GULF OF MANNAR AND PALK BAY COAST C Archana Devi*, L Palanikumar and A K Kumaraguru Madurai Kamaraj University, Ramanathapuram, Tamilnadu	0900-0940
EHP 04	ESTIMATION OF VIRAL ABUNDANCE IN COCHIN BACKWATERS BY EPIFLUORESCENT MICROSCOPY Breezy Jacob*, J J Dhanya and Ammini Parvathi National Institute of Oceanography, Cochin	0900-0940
EHP 05	THREATENED SPECIES IN THE MARINE ECOSYSTEM OF YEMEN Akram Alkershi* Faculty of Sciences, Sana'a University, Sana'a, Yemen	0900-0940
EHP 06	STUDY ON MEIOFAUNA OF EARTHQUAKE AFFECTED INTERTIDAL AREA OF PORT BLAIR, ANDAMAN ISLAND P M Mohan and P Dhivya* Pondicherry University, Port Blair	0900-0940
EHP 07	LEAD CONCENTRATION IN EDIBLE FISHES FROM SOUTHERN IRAN Reza Khoshnood*, N. Jaafarzadeh Haghighi and Z. Khoshnood Environmental Science, Ahvaz, Iran	0900-0940
EHP 08	DISTRIBUTION OF BACTERIOPLANKTON IN THE INDIAN OCEAN SECTOR OF SOUTHERN OCEAN K K Bineesh*, V N Sanjeevan, Rosamma Philip, K U Abdul Jaleel and Nousher Khan Central Marine Fisheries Research Institute, Cochin	0900-0940
EHP 09	HYDROGRAPHY AND HEAVY METAL CONCENTRATION IN UPPANAR ESTUARY, NAGAPATINAM COAST, INDIA R Sankar and G Ananthan Annamalai University, Parangipettai, Tamilnadu	0900-0940

**DAY 4**

EHP 10	DESTRUCTION OF SPAWNS IN SUNDARBANS DAMAGING COASTAL MANGROVE ECOSYSTEM Mahua Das Bhawanipur Education Society College, Calcutta	0900-0940
EHP 11	FATE OF PLASTIC IN THE MARINE ENVIRONMENT AND THEIR POSSIBLE EFFECT ON MARINE BIOTA S Aanand*, M Kathiresan and P Santhanam Bharathidasan University, Tiruchirappalli, Tamilnadu	0900-0940
EHP 12	POST-TSUNAMI IMPACT ON COPEPOD DIVERSITY IN MUTTUKADU BACKWATERS NEAR CHENNAI R Ramanibai* and J Chitra University of Madras, Guindy Campus, Chennai	0900-0940
EHP 13	BIOACCUMULATION OF HEAVY METALS IN SOME COMMERCIAL FISHES OF THE PERSIAN GULF, IRAN Z. Khoshnood* and Reza Khoshnood Environmental Science, Ahvaz, Iran	0900-0940
EHP 14	DIVERSITY OF POSTLARVAE OF LUTJANIDAE ALONG THE SOUTHWEST COAST OF INDIA S G Vincent*, S R Flanet Raj and S G Prakash Vincent Institute of Fish Eggs and Larvae Studies, Kuzhithurai, Tamilnadu	0900-0940
EHP 15	EGGS, LARVAE AND JUVENILES OF TRICHIURID FISHES <i>TRICHIURUS LEPTURUS</i> (LINNAEUS, 1758), <i>LEPTURACANTHUS SAVALA</i> (CUVIER, 1827) AND <i>EUPLEUROGRAMMUS GLOSSODON</i> (BLEEKER, 1860) FROM THE INSHORE WATERS OF SOUTHWEST COAST OF INDIA S G Vincent*, S R Flanet Raj and S G Prakash Vincent Institute of Fish Eggs and Larvae Studies, Kuzhithurai, Tamilnadu	0900-0940

**DAY 4**

- EHP 16 BIOAVAILABILITY OF HEAVY METALS IN WATER, SEDIMENTS AND FISH SPECIES FROM KAATTUPPALLI ISLAND, SOUTHEAST COAST OF INDIA 0900-0940  
S Rajesh Kumar and N Munuswamy\*  
University of Madras, Guindy Campus, Chennai

**ORAL PRESENTATION : EH**

- EHO 01 **Keynote Address** 0940-1010  
THE HEALTH OF THE MARINE ECOSYSTEMS – KEY TO SUSTAINABILITY OF BIODIVERSITY, ECOSYSTEM GOODS AND SERVICES  
P S B R James\*  
Kammanahalli P.O., St. Thomas Town, Bangalore
- EHO 02 TROPHIC LEVEL AND MEAN TROPHIC INDEX OF FISH FAUNA ASSOCIATED WITH TRAWL BYCATCH OF KERALA, SOUTHWEST COAST OF INDIA 1010-1020  
A Biju Kumar\* and G R Deepthi  
University of Kerala, Thiruvananthapuram
- EHO 03 SEASONAL ALGAL BLOOM AND WATER QUALITY IN THE COASTAL KERALA DURING SOUTHWEST MONSOON USING *IN SITU* AND SATELLITE DATA 1020-1030  
R K Sarangi\* and Gulshad Mohammed  
Space Applications Center (ISRO), Ahmedabad
- EHO 04 DEGRADATION OF NATURAL BEDS OF OYSTER BY ANTHROPOGENIC ACTIVITIES AT ENNORE ESTUARY, CHENNAI 1030-1040  
R Thangavelu\*, S N Sethi, H M Kasim and P Poovannan  
CMFRI, Chennai

**DAY 4**

- EHO 05 OPEN SEA FARMING OF *KAPPAPHYCUS ALVAREZII* OFF COCHIN AND ITS IMPACT ON ENVIRONMENT 1040-1050  
Reeta Jayasankar, A Kanagam, Pathik Chandra Mishra and C Seema  
Central Marine Fisheries Research Institute, Kochi
- EHO 06 OCCURRENCE AND BIOACCUMULATION OF TRACE ELEMENTS BY BENTHIC POLYCHAETES FROM SUNDERBAN MANGROVE WETLANDS, WEST BENGAL 1050-1100  
M A Alam\*, A Gomes and S K Sarkar\*  
University of Calcutta, Kolkata
- EHO 07 TOWARDS AN ECOSYSTEM APPROACH TO LONGLINE FISHERIES OF THE INDIAN EEZ: IMPACT ON SHARKS AND SEA TURTLES 1100-1110  
V S Somvanshi\*, S Varghese and Sijo P Varghese  
Fishery Survey of India, Mumbai
- EHO 08 ALGAL BLOOMS ALONG THE COASTAL WATERS OF SOUTHWEST INDIA DURING 2005-08 1110-1120  
M G Sanilkumar\*, K B Padmakumar, N R Menon, K J Joseph, V N Sanjeevan and A V Saramma  
Cochin University of Science and Technology, Kochi
- EHO 09 IMPACT OF TSUNAMI ON THE ECOLOGY AND DISTRIBUTION OF BRINE SHRIMPS (BRANCHIOPODA: ANOSTRACA) IN THE SALT PANS OF VEDARANYAM, TAMIL NADU, INDIA: A CASE STUDY 1130-1140  
Dola Bhattacharjee\*, S Sivagnanam and N Munuswamy  
Annamalai University, Parangipettai, Tamil Nadu
- EHO 10 BLOOM OF *NOCTILUCA SCINTILLANS* IN GULF OF MANNAR, SOUTHEAST COAST OF INDIA 1140-1150  
G Gopakumar\*, Bindu Sulochanan and V Venkatesan  
Central Marine Fisheries Research Institute, Mandapam

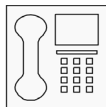
**DAY 4**

EHO 11	TEMPORAL PATTERNS IN BIODIVERSITY AND HEALTH STATUS OF PALK BAY REEF CORALS Sandhya Sukumaran, Rani Mary George*, K Vinod, K S Sobhana, T S Naomi and Mary K Manisseri CMFRI, Thiruvananthapuram	1150-1200
EHO 12	EFFECTS OF BOTTOM TRAWLING ON THE ECOLOGICAL INTEGRITY OF MACROBENTHOS OFF VERAVAL, GUJARAT Usha Bhagirathan*, S K Panda, B Meenakumari, V R Madhu and D T Vaghela Central Institute of Fisheries Technology, Kochi	1200-1210
EHO 13	IMPACT OF NUTRIENT POLLUTION IN ADYAR ESTUARY, CHENNAI, EAST COAST OF INDIA L Arockiavasanthi and N Munuswamy* University of Madras, Chennai	1210-1220
EHO 14	ASSIMILATIVE CAPACITY OF INSHORE AREAS OF COCHIN WITH REFERENCE TO THE CONTAMINANTS FROM UPSTREAM EFFLUENTS P Kaladharan*, P K Krishnakumar, D Prema, A Nandakumar, L R Khambadkar and K K Valsala Central Marine Fisheries Research Institute, Kochi	1220-1230
EHO 15	EFFECT OF HEAVY METALS ON THE HATCHING OF EGGS OF THE BANANA SHRIMP <i>PENAEUS MERGUIENSIS</i> K Vinod* and U G Bhat Central Marine Fisheries Research Institute, Cochin	1230-1240
EHO 16	PHYSICOCHEMICAL CHARACTERISTICS OF THE SEAGRASS ENVIRONMENTS OF ANDAMAN AND NICOBAR GROUP OF ISLANDS E Dilipan*, E P Nobi, K Sivakumar and T Thangaradjou Annamalai University, Parangipettai, Tamilnadu	1240-1250

**DAY 4**

EHO 17	BIOACCUMULATION OF HEAVY METALS IN THE BIVALVE COLLECTED FROM SUNDERBAN WETLAND Madhumita Mukherjee* and Arpita Sengupta Department of Fisheries, Government of West Bengal, Pailan	1250-1300
EHO 18	DIVERSITY OF EGGS AND LARVAE OF BONY FISHES ALONG THE SOUTHWEST COAST OF INDIA S G Vincent Institute of Fish Eggs and Larvae Studies, Kuzhithurai, Tamil Nadu	1300-1310

## Telephone Numbers of MECOS Organizers



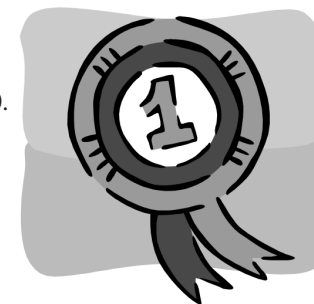
Name	Responsibility	Telephone number (Cell/Mobile)
Dr. G. Syda Rao	President	09446344513
Dr. N.G.K. Pillai	Convener	09446343473
Dr. K.S. Mohamed	Co-Convener	09447056559
Dr. Mary Manissery	Welcome	09446082124
Dr. E. Vivekanandan	Abstracts	09446084867
Dr. E.V. Radhakrishnan	Help Desk	09447250634
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Dr. V.S. Basheer	Poster	09847219320
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Dr. T.V. Sathianandan	Presentations	09444234593
Dr. C. Ramachandran	Publicity	09446129341
Dr. K.K. Vijayan	Souvenir	09446473191
Dr. P. Vijayagopal	Symposium kit	09496280584
Dr. A. Nandakumar	Airport Guests	09847268168
Dr. I. Rajendran	Railway station guests	09446128960
Dr. N.K. Sanil	Signages	09249869305
Dr. P. Vijayagopal	Food & beverages	09496280584
Dr. Vipin Kumar	Cultural evening	09447609588
Dr. A. Gopalakrishnan	VIP guests	09847115515
Dr. Vipin Kumar	Compere	09447609588
Dr. K.K.C. Nair	Finance	09447014590
Mr. Santhosh	Event Manager	09447465549

## Best of the Best Awards

The MBAI is proud to announce the institution of 2 new awards for MECOS:

The **Dr. S. Jones Memorial Award** for the best oral presentation during MECOS 09. The award includes a citation and a cash prize of Rs. 10,000.

The **Dr. R. Raghu Prasad Memorial Award** for the best poster presentation during MECOS 09. This award also includes a citation and a cash prize of Rs. 10,000.



These two awards are in honour and memory of the founding President and Secretary of the MBAI. Separate juries will evaluate all presentations and posters during MECOS and awards will be given on the concluding day.

## MBAI Special General Body Meeting

The Secretary of the MBAI invites all members of the MBAI to attend the special general body meeting of the association at sharp 1800 h on 10th February 2009 (Day-2 of MECOS) at the Conference Hall (Room 201) of the Central Marine Fisheries Research Institute (CMFRI). The main agenda of the meeting is election of office bearers of the association. This will be immediately followed by the musical evening and dinner at the lawns of CMFRI.



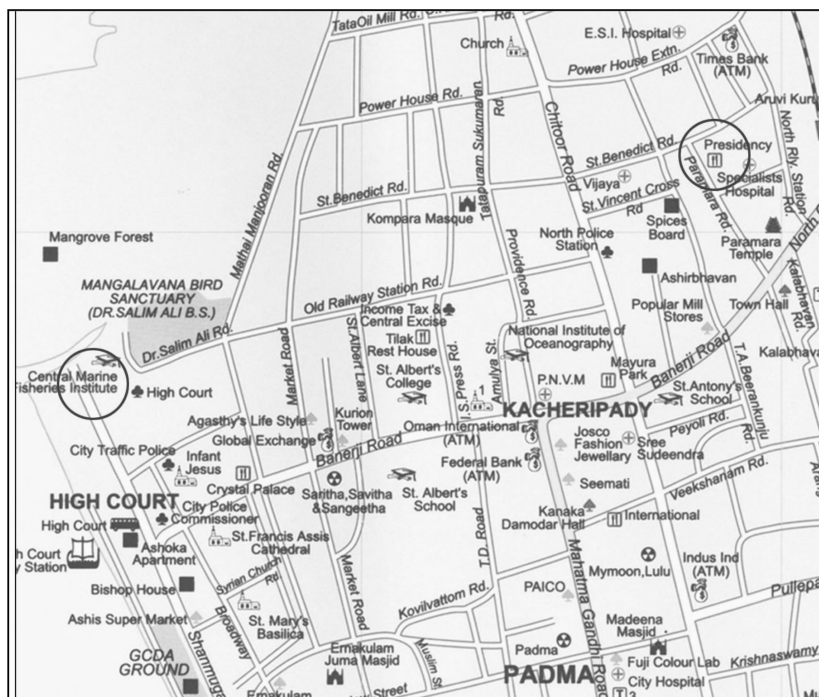


## Invitation to dinner hosted by the MBAI

The organizers of MECOS, the Marine Biological Association of India (MBAI) are honoured and privileged invite you for a DINNER on 10th February 2009 (Day-2 of MECOS).

The DINNER is at the lawns of the Central Marine Fisheries Research Institute (CMFRI) from 1830 h onwards. The dress code is informal. There will be an orchestra playing and a brief exposure to Kerala's folk art will be given.

The location is about 2 km away from the venue of MECOS and easily accessible by Taxi/ Autorickshaw. For the healthy and brave it is a 15 minute brisk walk (see map).



## Folk & Pop Musical Evening

Date : 10-02-2009 (Tuesday, Day-2 of MECOS)

Venue : The Lawns of CMFRI

Time : 1830 h

The evening will start with the famous POP music troupe of Cochin - **the 8-Beats** playing popular Malayalam, Hindi and Tamil numbers. The 8-Beats are led by the versatile musician Mr. Preman.

The orchestra will break at 1930 h for an hour's expose of some of the little known FOLK ARTS of Kerala. The first 3 items are presented by a team of artistes of the famous NAATUKOOTAM led by Mr. Rajeevan and the fourth item is led by Mr. Haridas of KALAKSHETHRAM.

**THEYYAM:** The Theyyam is a popular ritual dance of northern Kerala. As a living cult with several thousand year old tradition, ritual and custom, it embraces almost all castes and classes of Hindu religion in the region. The dancer along with drummers recites the particular ritual song, which describes the myths and legends of the folk deity of the shrine to be propitiated. The dancer finally metamorphoses as the particular deity of the shrine.

**MUDIYATTAM:** Mudiattam is a tribal dance in which only women partake. The women stand on small wooden blocks and the dance begins with slow and simple movements of the body, which culminate in graceful movements of the head. The uncombed hair of the participants flow down and swing in rhythmic waves.

**KAALA KALI:** This is a traditional folk art performed by men in Kerala. It is associated with the paddy harvest and brings out the age-old folk songs of Kerala.

**SHINGARI MELAM:** The famous percussion instrument CHENDA of south India is used in this folk music form. A group of nearly 16 people play in unison creating a fabric of rhythm and synergy. The beat builds to a tempo in about 30 minutes.

## Co-sponsors

Ministry of Earth Sciences, Govt. of India, New Delhi  
Ministry of Agriculture, Govt. of India, New Delhi  
Ministry of Environment & Forests, Govt. of India, New Delhi  
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National Fisheries Development Board, Hyderabad  
National Institute of Oceanography, Regional Center, Kochi  
Marine Products Export Development Authority, Cochin  
Central Marine Fisheries Research Institute, Cochin  
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Theyyam



Shingari melam

These art forms are on view at

The  
Folk & Pop  
musical evening  
on 10th February



Theyyam