

INTERNATIONAL SEMINAR ON COASTAL BIODIVERSITY ASSESSMENT

COBIA 2017

5 -7 January 2017

Report of the Scientific Programme

Letter No. SSW/041/2016/KSCSTE Dtd. 24.06.2016

**Submitted by
Dr. Jean Jose. J
Organizing Secretary COBIA 2017 & Assistant Professor (Zoology)**



Organized by

Department of Zoology

St. Gregorios College, Kottarakara

**Accredited by NAAC at B Grade
(Govt. Aided, affiliated to University of Kerala)**

Co-sponsored by



**Kerala State Council for Science, Technology and Environment
(KSCSTE)**



Kerala State Council for Science, Technology and Environment

**Binuja Thomas M. Tech
Scientist - E1**

No. SSW041/2016/KSCSTE

24.06.2016

Sr,

Sub:- KSCSTE – Scheme for promoting S&T Seminar/ Symposia/ Workshop – reg.

**Ref: - i) Your proposal entitled 'International Seminar on Coastal Biodiversity Assessment (COBIA 2017)' dt: 21.05.2016
ii) Minutes of the meeting of SSW Committee, held on 18.06.2016**

This is to invite your attention to the reference cited above and inform that KSCSTE is pleased to co-sponsor the three day International Seminar by extending financial assistance of **Rs. 1,00,000/-** subject to fulfilling the norms of International Seminar.

1. Programme Brochure/ Invitation should be sent to KSCSTE well in advance.
2. The organizers should ensure that the conditions stipulated as per the KSCSTE guidelines are fulfilled.
3. As per the guidelines, at least 10% of the delegates and Resource persons shall be from outside the Nation in the case of International Programme. If this condition is not satisfied, the Programme will be treated as appropriately and the co-sponsorship amount shall be as per rules.
4. The financial assistance may be utilized exclusively to cover the expenditure on Course materials, Publication of proceedings, Honoraria and TA for Resource Persons. TA shall not exceed 25% of co-sponsorship from KSCSTE. Utilization of the grant for any other purpose other than the approved heads shall not be entertained.
5. The financial assistance from the Council shall be in the nature of co-sponsorship, and hence KSCSTE should be properly acknowledged as either 'jointly organized by KSCSTE' or 'Co-sponsored by KSCSTE' in all the brochures, banners, proceedings, etc. brought out in connection with the Seminar.
6. The Souvenirs/ Proceedings brought out in connection with the International Seminar should essentially include one page advertisement about KSCSTE and the matter for advertisement shall be made available on request.
7. Change of venue or dates of the programme, if any, shall be reported to the undersigned promptly.
8. This offer letter is valid for 6 months from this date. In case it fails to organize the programme within the stipulated time frame (within 6 months) this offer will be invalid and will automatically stands canceled.
9. The approved amount will be released on the submission of the following documents after the event.
 - a) Total Income and Expenditure Statement of the programme.
 - b) Audited Utilization Certificate (UC) and Statement of Expenditure (SE) in the format enclosed herewith. In the case of affiliated Colleges and NGOs, the audited SE & UC signed by a registered Chartered Accountant, countersigned by the Head of the Institution only will be accepted.
 - c) List of participants – details of both delegates and resource persons duly certified by the Organizing Secretary/ Head of the Institution.
 - d) Brief report including photographs, press clippings etc. along with a note on specific recommendations of the programme and also the schedule of each session.
 - e) Souvenirs/Proceedings (including one page advertisement about KSCSTE) brought out in connection with the programme.
 - f) Programme Brochure/ Notice and related publicity materials with due acknowledgment to KSCSTE.
10. The above documents may be submitted **within two months** after the conduct of the Programme for releasing the fund.

Please quote the above File No. in all your subsequent correspondences in this regard.

Thanking you,

Yours sincerely,

Binuja Thomas

Dr. Jean Jose J.
Assistant Professor
Department of Zoology, St. Gregorios College, Kottarakara, Punalom P. O., Kollam - 691 531

Sasthra Bhavan, Pattom P.O., Thiruvananthapuram - 695 004, Kerala State, India
Tel : 0471 - 2548200-09, FVP - 2543557, 2548222, MS - 2534605, 2548220, CoA - 2543556, 2548248
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An International Seminar on Coastal Biodiversity Assessment COBIA 2017 (5th -7th January, 2017) organized by Department of Zoology, St. Gregorios College, Kottarakara co-sponsored by Kerala State Council for Science Technology and Environment (KSCSTE), Thiruvananthapuram and supported by WWF-India was inaugurated on 5th January at 10.30 a.m. at Golden Jubilee Seminar Hall. Prof. Dr. Trevor Platt (Plymouth Marine Laboratory, United Kingdom) inaugurated the function.

Inaugural function of the programme was started at 10.30 a.m. on 5th (Thursday) January 2017 with a prayer by B. Sc Zoology students. Next to prayer welcome speech was rendered by Mrs. Rani. S. Dharan, Assistant Professor and Head, Department of Zoology. She welcomed the chief guests and the important persons in the dais, retired teachers from the Department of Zoology, participants from various universities of India and abroad and after all the invited speakers from various institutes. Welcome speech was followed by the presidential address of Dr. P. K. Josekutty, respected Principal of the college. In his speech initially he briefed the history of the college and how the college got the name from the heavenly patron saint St. Gregorios of Parumala. He also mentioned the historical importance of Kottarakara including the origin of the famous art Kathakali. His address on the international seminar focused its importance and brought up the first of its kind organized in the history of the St. Gregorios College, Kottarakara. He highlighted that the marine and coastal environments enclose diverse habitats that support an abundance of marine life. Nowadays, human activities are greatly threatening the seas and coastal wealth. In the present scenario assessment, management and restoration of the marine biodiversity have become more and more important. This International Seminar on Coastal Biodiversity Assessment (COBIA 2017) is an effective platform for the related scientific community from India and abroad to present, share and discuss their ideas for the conservation of this valuable natural resource. He addresses the guests from India and abroad.

He also took the opportunity to congratulate the Department of Zoology and Dr. J. Jean Jose, Organizing Secretary, COBIA 2017 for such a challenging step. He also appreciated the editorial board for their hard work to release the proceedings with ISBN number on the first day of the seminar itself. He expressed his sincere gratitude to all the academic community for their valuable contributions for the success of the seminar. The seminar was inaugurated by Prof. Dr. Trevor Platt in the presence of HG Mathews Mar Theodosius (Manager), Dr. P. K. Josekutty (Principal), Very Rev. Zacharia Ramban (Administrator), Dr. K. Shaji (Member Syndicate, University of Kerala) and Dr. J. Jean Jose) Organizing Secretary, COBIA 2017). An inaugural address was delivered by him.



Inauguration of COBIA 2017 by Prof. Dr. Trevor Platt

In his talk he specially thanked the organizing secretary, committee members, funding agency and the management of the college for the wonderful initiative in the form of a seminar for the public. He appreciated the focal themes of the seminar and its importance in the coming future and as a new venture for the students in this field of research. The occasion was blessed by the benevolence of HG Mathews Mar Theodosius. The respected manager also highlighted the coastal pollution deteriorating our coastal wealth.

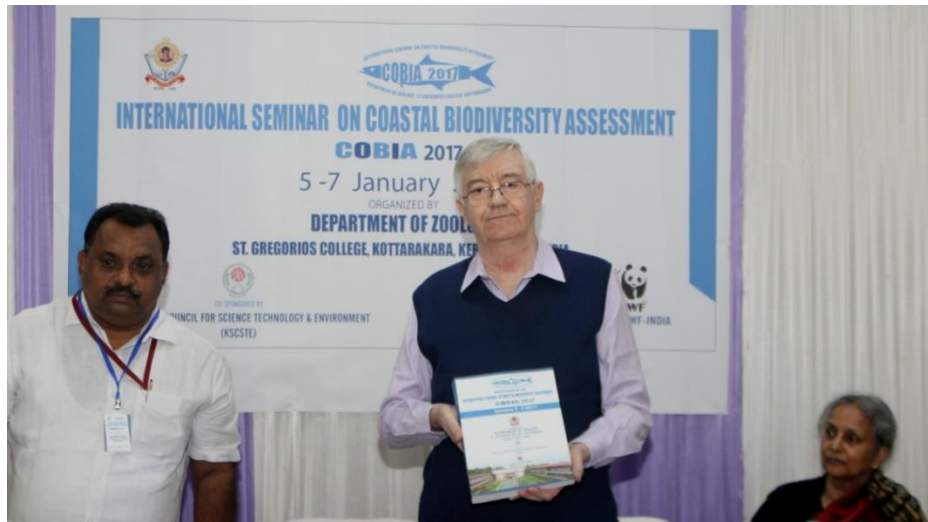


Benevolence by HG Mathews Mar Theodosius

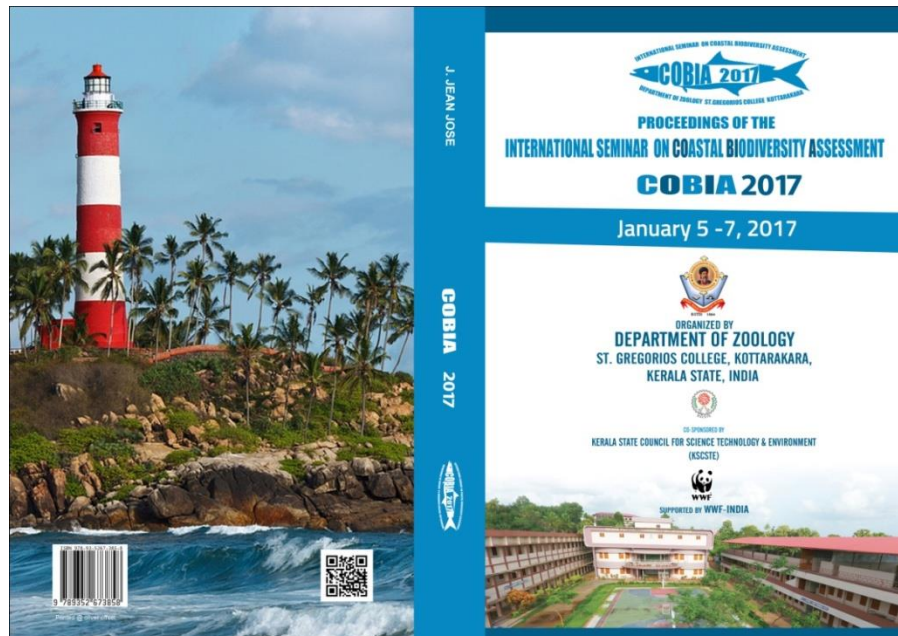
Next session of the inaugural session was attracted by the honoring ceremony of the retired senior teachers of Department of Zoology who had crossed an age of 70 years. Prof. Leelamma Samuel and Prof. K. J. Cherian were honored.



Seminar proceedings were released by handing over it to Dr. Trevor Platt by Dr. P. K. Josekutty. The proceeding with ISB number (978-93-5267-385-8) have 12 invited talks and 41 research papers based on the focal themes remote sensing, coastal pollution, mariculture, marine biodiversity, coastal processes and marine biotechnology. Research articles were submitted by scientists, faculties, research scholars and students of different universities of India and abroad. They were peer reviewed by the editorial advisory board and accepted for publishing in the proceedings.



Proceeding release of COBIA 2017



This was continued by the keynote address of Dr. Shubha Sathyendranath (Plymouth Marine Laboratory, United Kingdom). She mentioned the remote sensing applications in ocean colour monitoring for the valuable predictions helping the fishermen society and scientists for thinking about the sustainability of the coastal environment. After the keynote address felicitations were delivered by Very Rev. Zacharia Ramban and Smt. Er. Binuja Thomas (Scientist E1, KSCSTE). Respected administrator mentioned the wordings of Holy Bible related to the environment and how it supports mankind. According to him if we deteriorate the environments including aquatic ecosystems created by God for our sustainability and survival, we are doing sin to the almighty and accordingly the consequences we have to face as non curable diseases and loss in food and shelter in the coming future. The presence of Smt. Binuja Thomas was a great appreciation to the institute because she was a former student of our institute. Her felicitation strikes the mind of audience very much.



Felicitations by Smt. Er. Binuja Thomas, Scientist E1, KSCSTE

Vote of thanks was delivered by Dr. J. Jean Jose (Organizing Secretary COBIA 2017). Before thanking all he projected that the human activities are greatly threatening the seas and coasts through overfishing, destructive fishing practices, pollution and waste disposal, agricultural runoff and illegal engineering modifications. So Sensible regulation is needed to protect the coastal biodiversity. He thanked all the invitees, supporters, participants, oral and poster presenters, NGO's, Government officials from India and abroad at the event.



Vote of thanks by Dr. J. Jean Jose (Organizing Secretary COBIA 2017)

About the seminar

The International Seminar on Coastal Biodiversity Assessment (COBIA 2017) aimed to provide awareness about the marine and coastal habitats include coral reefs, mangrove forests, sea grass beds, estuaries, rocky beaches, natural mini islands and soft sediments on the ocean floor deep below the

surface. Coral reefs, rocky beaches and sea grass beds ensure their role as natural aggregating zones for many marine fauna. The mangrove habitat protects coastal erosion and is a good breeding and feeding grounds for many fin fishes and shell fishes. Estuaries also provide nursery habitat for juvenile animals. Marine biodiversity is crucial to sustaining commercial fisheries.

Recently the sustainability of the coastal ecosystem is in danger due to illegal engineering modifications, coastal pollution, and serious problems of ballast water, reduction in commercially available fish species, bioaccumulation and biomagnifications of pollution in marine fauna leading to health problems in the consumers especially human beings. In order to discuss this problem with the experts and to share the ideas with the new generation in these areas of research from different geographical regimes a venue was made in the form of an International seminar organized by Department of Zoology, St. Gregorios College and co-sponsored by Kerala State Council for Science, Technology and Environment (KSCSTE), Thiruvananthapuram.

The major focal themes of the seminar were,

- ❖ Remote sensing
- ❖ Coastal Pollution
- ❖ Mariculture
- ❖ Marine Biodiversity
- ❖ Coastal processes and
- ❖ Marine biotechnology

The major target groups of the seminar were scientists, faculty members, research scholars, students, government officials and NGO's.

Publicity of the seminar was primarily carried out through posting brochures to different institutes of India and abroad. For this a well designed detailed brochure was prepared by including the co-sponsors logo and name.

The brochure includes the history of the college, department and regarding the seminar. List of invited speakers based on the theme and academic sessions were included in the brochure in detail. After all the registration form for candidates also was incorporated on the last folio of the brochure. The seminar logo was designed as a symbolic representation of the fish cobia (*Rachycentron canadum*). As it is a wild offshore fish it is selected as a candidate species for mariculture by CMFRI. It can be cultured in pollution free coastal waters and have high market demand.

<p>ACADEMIC SESSION I THEME : REMOTE SENSING</p> <p>11.15AM-12.15PM: PROF. DR. TREVOR PLATT FRS Plymouth Marine Laboratory, United Kingdom TOPIC: What colour is the sea?</p> <p>12.20-1.10PM: DR. SHUBHA SATHYENDRANATH Plymouth Marine Laboratory, United Kingdom TOPIC: Ocean colour for climate studies 1.10-1.45PM : Lunch Break</p> <p>1.45-2.30 PM: DR. GRINSON GEORGE Senior Scientist, Central Marine Fisheries Research Institute (CMFRI), Kochi, India TOPIC: Satellite Remote Sensing Applications in Marine Ecological Research THEME : COASTAL POLLUTION</p> <p>2.30-3.15 PM: DR. N. NANDINI MENON Scientist, Nansen Environmental Research Centre, Kochi, India TOPIC: Major threats to our oceans</p> <p>3.15-4.00PM: DR. K. ANOOP KRISHNAN Scientist C, Natural Resources and Environment Management (NREM), National Centre for Earth Science Studies, Ministry of Earth Sciences, Govt. of India, Thiruvananthapuram. TOPIC: Chemistry of Coastal Ocean System: Overview of Acidification and Chemical Speciation</p> <p>2.00 - 3.30 PM : PARALLEL SESSION I Oral/Poster presentation</p>	<p>THEME: MARINE BIODIVERSITY</p> <p>12.15-1.15PM : MR. VINOD MALAYILETHU Senior Co-ordinator, Marine Programme WWF-India TOPIC: MSC Certification of Fisheries success story of Short Neck Yellow Clam from Ashtamudi Estuary, Kerala 1.15 - 2.00PM : Lunch Break</p> <p>2.00-2.45 PM : DR. P. S. SIVAPRASAD Society for Assistance to Fisherwomen (SAF) Department of Fisheries Government of Kerala, India TOPIC: Providing respite to coastal biodiversity through the generation of alternate livelihoods for fisher women in Kerala.</p> <p>2.50 - 4.00PM : Oral/Poster presentation</p>	<p>INTERNATIONAL SEMINAR ON COASTAL BIODIVERSITY ASSESSMENT COBIA 2017 January 5-7, 2017 Registration Form</p> <p>Name _____</p> <p>Designation _____ (Student, Research Scholar, Faculty, Scientist)</p> <p>Name of the Institution with full address _____</p> <p>City: _____ Telephone: _____</p> <p>E-mail: _____</p> <p>Postal Code _____ Fax: _____</p> <p>Field of Specialization _____</p> <p>I intend to make _____ Oral Presentation <input type="checkbox"/></p> <p>Poster Presentation <input type="checkbox"/> Attending without presentation <input type="checkbox"/></p> <p>Note: Please tick the appropriate box</p> <p>Title of the Abstract : _____</p> <p>Details of Registration fee _____</p> <p>DD No. _____ Date _____</p> <p>Bank Transfer Receipt No. _____ Date _____</p> <p>Date: _____</p> <p>Place: _____</p> <p>Signature _____</p> <p>Photocopy of this form also may be used. Registration form also can be downloaded from www.gregorioscollege.org</p>	<p>INTERNATIONAL SEMINAR ON COASTAL BIODIVERSITY ASSESSMENT COBIA 2017 January 5-7, 2017</p> <p>ORGANIZED BY DEPARTMENT OF ZOOLOGY ST. GREGORIOS COLLEGE, KOTTARAKARA KERALA STATE, INDIA</p> <p>CO-SPONSORED BY KERALA STATE COUNCIL FOR SCIENCE, TECHNOLOGY & ENVIRONMENT (KSCSTE)</p> <p>SUPPORTED BY WWF-INDIA</p> 
<p>ACADEMIC SESSION II DAY 2 06/01/2017 THEME: MARICULTURE</p> <p>10.00-11.00AM : DR. M. K. ANIL Principal Scientist & Scientist-In-Charge, CMFRI, Vizhinjam, India TOPIC: Mariculture for conservation of coastal biodiversity</p> <p>THEME: MARINE BIODIVERSITY</p> <p>11.15AM-12.15PM : DR. A. BIJU KUMAR Associate Professor & Head Department of Aquatic Biology & Fisheries University of Kerala, India TOPIC: Blue Growth and Marine Biodiversity Challenges for India.</p>	<p>ACADEMIC SESSION III DAY 3 07/01/2017 THEME COASTAL PROCESSES</p> <p>9.15-10.00AM : DR. V. R. SHAMJI Assistant Professor, Department of Hydrographic Surveying, Faculty of Maritime Studies, King Abdul Aziz University, Kingdom of Saudi Arabia TOPIC: Tidal Analysis and Prediction at Red Sea</p> <p>THEME: MARINE BIOTECHNOLOGY</p> <p>10.00-11.00AM : DR. A. P. LIPTON Principal Scientist, CMFRI (Retd.), UGC Emeritus Professor, Centre for Marine Science & Technology, M S University, Tamil Nadu, India. TOPIC: Conservation initiatives through confined breeding, ranching and assessing natural growth of Indian Sacred Chank and Sea Horses</p> <p>11.15AM-12.15PM : DR. M. THANGARAJ Assistant Professor Centre for Advanced Studies in Marine Biology, Annamalai University Tamil Nadu, India. TOPIC: Molecular Markers in Marine Fauna</p> <p>12.15-1.15PM : DR. A. R. SARIKA Scientist B, Kerala State Council for Science, Technology and Environment (KSCSTE), India TOPIC: Bioactive Marine Microbial Peptides: Prospects and Application 1.15-2.00pm : Lunch Break 2.00-3.00pm : Oral/Poster presentation 3.00-4.00pm : Valcdictory function Keynote Address : Mr. Renjan Mathew Varghese Director WWF-India, Kerala State Office</p>	<p>Address for Communication DR. J. Jean Jose (Organizing Secretary) Assistant Professor, Department of Zoology St. Gregorios College, Kottarakara- 691531 Kerala State, India. Ph. No. +91 944 76 96 739 Email cobia2017sgc@gmail.com www.gregorioscollege.org</p>	

INVITATION

Sir/Madam

We are glad to invite you for the International Seminar on Coastal Biodiversity Assessment (COBIA 2017) organized by the Department of Zoology. The seminar is aimed to create a platform to discuss the recent research activities in coastal biodiversity. We also appreciate receiving your valuable scientific contribution in the proceedings of the seminar.

ST. GREGORIOS COLLEGE

St. Gregorios College, Kottarakara is a Govt. aided institution affiliated to University of Kerala. It takes its name from Saint Gregorios of Parumala, the first canonized Saint of Malankara Orthodox Church. The College was founded in 1964 by HH Moran Mar Baslios Marthoma Mathews II, The Catholicos of the East. The College has nine under graduate and four post graduate courses.

DEPARTMENT OF ZOOLOGY

Department of Zoology was established in 1977 with Prof. Leelamma Samuel as the Head of the Department. The Department conducts a six-semester under-graduate programme in Zoology. It also offers complementary courses in Zoology for B.Sc Botany students. An add on course on Ornamental Fish Keeping and Breeding is also ongoing in the Department.

The Department has been carrying out various research activities, student skill development programmes such as science exhibitions, quiz competition, invited talks and celebrating Science related days utilizing the support and financial assistance from WWF India and Kerala State Council for Science, Technology and Environment (KSCSTE).

ABOUT THE SEMINAR

Coastal ecosystems are popular for their high biological productivity and provide a healthy habitat for enormous aquatic flora and fauna. Conflicting uses of coastal habitats is a major threat to the losses of marine biodiversity. As an outcome of the seminar, it is anticipated to give awareness among different stake holders for the conservation of coastal diversity.

FOCAL THEMES OF THE SEMINAR

- ➔ Remote Sensing
- ➔ Coastal Pollution
- ➔ Mariculture
- ➔ Marine Biodiversity
- ➔ Coastal Processes
- ➔ Marine Biotechnology

TARGET GROUP

Scientists, faculty members, research scholars, students, government officials and NGOs.

CALL FOR PAPERS

Research papers of original contributions are invited for oral/poster presentation in the seminar. Accepted articles after peer review will be published by the Department as Proceedings of the Seminar with ISBN number. Special prizes will be given for best oral/poster presentation under each Technical Session.

Abstract submission – Abstracts (about 300 words) of articles based on focal themes should be prepared in format – MS Word, font – Times New Roman, font size 12. The abstract should include scope and significance of the work and keywords. The abstract should have name(s) of authors, full address for correspondence and should be sent to the Email – cobia2017sgc@gmail.com
Full paper submission/ Poster presentation – Please visit www.gregorioscollege.org

IMPORTANT DATES

Abstract submission and registration – 30/08/2016
Acceptance and communication – 15/09/2016
Full paper submission – 05/10/2016
Registration fee payment deadline – 05/12/2016

REGISTRATION FEES

Students – ₹ 250 Research Scholar – ₹ 500
Faculty/Scientist – ₹ 1000 Spot registration – ₹ 1000

Registration fee will cover morning and afternoon tea, lunch and a seminar kit. Registration Fee may be sent as Demand Draft drawn in favour of the Organising Secretary, COBIA 2017 payable at SBT Palamon Branch or electronically transferred to the following Account. A/c No. 67345016422, Branch Code: 70272 (SBT Palamon Branch) IFSC: SBTR0000272
Registration forms without the registration fee will not be accepted and no further communication will be sent in this regard.

*No TA/DA will be provided to the participants

NEAR BY PAID ACCOMODATION

Hotel Shilpa Regency, Kottarakara (Charges from ₹ 350 to ₹ 3500), Highland Hotel and Resorts, Kottarakara (Charges from ₹ 1000 onwards)
For ladies : Mar Thoma Jubilee Mandiram, Kottarakara.

LOCAL /NEARBY ATTRACTIONS

Kollam Beach, Light House and Ashtamudi backwater: 25Kms, Varkala Beach: 50Kms, Thenmala Ecotourism and Shenduruney Wild Life Sanctuary: 45Kms, Palaruvi water falls and Parappur Dam: 45Kms, Sabarimala Temple: 90Kms.

ROUTE MAP

Nearby Railway station:

Kottarakara, Kollam and Chengannur

Nearby Airport:

Thiruvananthapuram



ORGANIZING COMMITTEE

Patron : HG Mathews Mar Theodosios, Manager
General Convener : DR. P. K. Josekutty, Principal
Convener : Mrs. Rani. S. Dharan, HOD
Organizing Secretary : DR. J. Jean Jose

Organizing Committee Members:

Very Rev. Zacharia Ramban, Administrator
DR. Elizabeth John, Assistant Professor
Mrs. Lincy Alex, Assistant Professor
DR. L. Razena Karim, FDP Faculty

PROGRAMME DAY 1 05/01/2017

Venue : Golden Jubilee Seminar Hall

9.30am : Registration

10.00-11.00am : Inaugural Session

Prayer

Welcome : Mrs. Rani. S. Dharan,
HOD, Department of Zoology

Presidential address : DR. P. K. Josekutty,
Principal

Inauguration : HG Mathews Mar Theodosios
Manager, St. Gregorios College and
Metropolitan of Idukki Diocese
Malankara Orthodox Church

Keynote Address : Prof. DR. Trevor Platt FRS
Plymouth Marine Laboratory,
United Kingdom

Felicitations:

1. Very Rev. Zacharia Ramban, Administrator
2. DR. K. Shaji (Syndicate Member, University of Kerala & HOD, Department of Politics)
3. Smt. Er. Binuja Thomas (Scientist EI, KSCSTE)

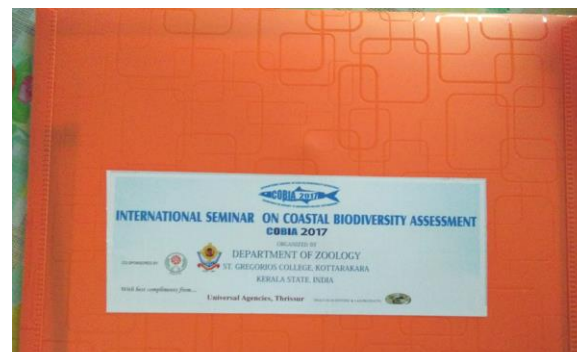
Vote of Thanks : DR. J. Jean Jose, Organizing Secretary

Other publicity materials used were semi arch and banners in the college premises, main road side and in the seminar venue.





Publicity of the seminar and co-sponsorship was extended in another way through the certificates, files and bags issued to the delegates and participants.



In addition a press meet was conducted at Kollam press club on 2nd January 2017. Thirty five participants from different News Paper Daily attended the meeting. The meeting was chaired by Dr. P. K. Josekutty (Principal) and Dr. J. Jean Jose (Organizing Secretary). A group discussion related to seminar and its importance was extended up to half an hour. Brochures of seminar were circulated at the press meeting and short report in both English and Malayalam were also distributed for a wide publicity.

The details of invited speakers were also discussed in detail and their areas of specialization and their experiences was a major topic of discussion among reporters. Major aims and objectives of the seminar were also enquired by the reporters over phone in order to incorporate as variety news for the public. Reporters from different Daily's were very much impressed in the scientific event organized and they promised to publish the news.

Details of news clipping came in different news papers were included,





Seminar was organized with three academic sessions. Each academic session was handled by eminent invited speakers from India and abroad. Thus the seminar had twelve speakers of this three speakers were from abroad.

The list of invited speakers is as follows;

Academic Session I

Theme: Remote Sensing Techniques in Marine Ecosystem

Prof. Dr. Trevor Platt FRS
Plymouth Marine Laboratory
United Kingdom

Dr. Shubha Sathyendranath
Plymouth Marine Laboratory
United Kingdom

Dr. Grinson George
Senior Scientist
Central Marine Fisheries Research Institute, Kochi, India

Theme: Coastal Pollution

Dr. Nandini Menon. N
Scientist, Nansen Environmental Research Centre, Kochi, India

Dr. Anoop Krishnan. K

Scientist C

Natural Resources and Environment Management (NREM), National Centre for Earth Science Studies, Ministry of Earth Sciences, Govt. of India.

Academic Session II

**Theme: Marine Biodiversity
& Mariculture**

Dr. M. K. Anil

Principal Scientist &
Scientist-In-Charge
CMFRI, Vizhinjam, India

Dr. A. Biju Kumar

Associate Professor & Head
Department of Aquatic Biology & Fisheries, University of Kerala, India

Mr. Vinod Malayilethu

Senior Co-ordinator Marine Programme
WWF-India

Dr. P. S. Sivaprasad

Society for Assistance to Fisherwomen (SAF)
Department of Fisheries, Govt. of Kerala

Academic Session III

Theme: Coastal Processes

Dr. Shamji. V. R

Assistant Professor
Faculty of Maritime Studies
King Abdul Aziz University
Kingdom of Saudi Arabia

Theme: Marine Biotechnology

Dr. A. P. Lipton

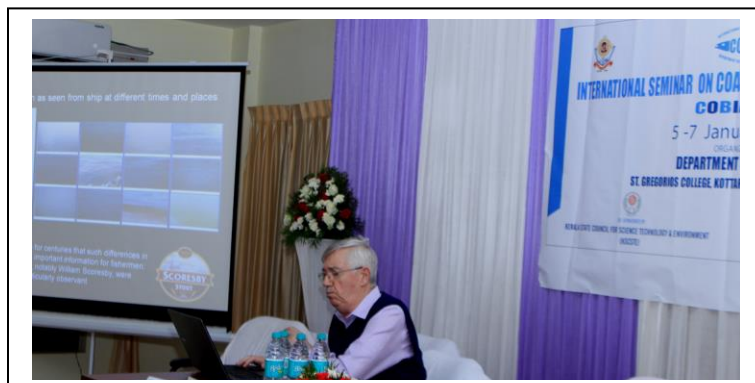
Principal Scientist (Retd.), CMFRI and
UGC Emeritus Professor, MS University, Tamil Nadu

Dr. M. Thangaraj
Assistant Professor
Centre for Advanced Studies in
Marine Biology, Annamalai University
Tamil Nadu

Dr. Sarika. A. R
Scientific Officer
Kerala State Council for Science,
Technology and Environment
(KSCSTE)

List of the invited talks

Academic Session I



Prof. Dr. Trevor Platt FRS
Plymouth Marine Laboratory
United Kingdom

**Topic: What Colour
is the Ocean?**



Dr. Shubha Sathyendranath
Plymouth Marine Laboratory
United Kingdom

**Topic: Ocean Colour
for Climate studies**



Dr. Nandini Menon. N
Scientist, Nansen Environmental
Research Centre, Kochi, India

**Topic: Major
Threats to our oceans**



Dr. Anoop Krishnan. K
Scientist C
Natural Resources and Environment
Management (NREM), National
Centre for Earth Science Studies,
MoES, Govt. of India

**Topic: Chemistry of Coastal
Ocean System: Overview of
Acidification and Chemical
Speciation**

Academic Session II (06/01/2017)



Dr. M. K. Anil
Principal Scientist &
Scientist-In-Charge
CMFRI, Vizhinjam, India

**Topic: Mariculture for
Conservation of Coastal
Biodiversity**



Dr. A. Biju Kumar
Associate Professor & Head
Department of Aquatic Biology &
Fisheries, University of Kerala, India

**Topic: Blue Growth and Marine
Biodiversity: Challenges for**



Dr. Grinson George
 Senior Scientist
 Central Marine Fisheries
 Research Institute, Kochi, India

Topic: Satellite remote sensing applications in marine ecological research



Mr. Vinod Malayilethu
 Senior Co-ordinator Marine Progra
 WWF-India

Topic: Fisheries certification - A tool towards sustaining marine biodiversity



Dr. P. S. Sivaprasad
 Society for Assistance to Fisherwomen (SAF)
 Department of Fisheries, Govt. of Kerala

Topic: Providing Respite to Coastal Biodiversity through the Generation of Alternate Livelihood Micro-Enterprises for Fisherwomen In Kerala

Academic Session III (07/01/2017)



Dr. Shamji. V. R
 Assistant Professor
 Faculty of Maritime Studies
 King Abdul Aziz University
 Kingdom of Saudi Arabia

Topic: Tidal Analysis and Prediction at Red Sea



Dr. A. P. Lipton

Principal Scientist (Retd.), CMFRI
UGC Emeritus Professor,
MS University, Tamil Nadu

Topic: Conservation steps through confined breeding, sea ranching and evaluations of growth in natural habitats of chosen sea horses and sacred conches along the South Eastern Indian coast



Dr. M. Thangaraj

Assistant Professor
Centre for Advanced Studies in
Marine Biology, Annamalai University
Tamil Nadu

Topic: Molecular Markers and its applications in Coastal Biodiversity Assessment



Dr. Sarika. A. R

Scientific Officer
Kerala State Council for Science,
Technology and Environment
(KSCSTE)

Topic: Bioactive Marine Microbial Peptides: Prospects and Applications

Oral and Poster presentations

A parallel session for oral and poster presentations were arranged in the three day seminar. Out of the 41 research papers accepted 40 were presented as oral and poster presentation.



Presentation sessions were chaired by eminent professors from different universities. Best paper and poster awards were distributed at the seminar venue. Best presentation award was received by Mr. Ratheesh Kumar (Senior Research Fellow, COMAPS, NCESS, Thiruvananthapuram), Miss. Neethu. A (SN College, Kollam), Mrs. E. Soumya (MES Ponnani College, University of Calicut) and best poster award was received by Dr. Deepthi. T. R (Asst. Prof. NSS Hindu College, Changanassery, MG University).



Valedictory function

The closing ceremony of the seminar was held on 7th January 2017 at 2.30pm. In this session welcome speech was presented by Dr. Elizabeth John (Asst. Professor) and a keynote address was delivered by Mr. Renjan Mathew Varghese, Director, WWF-India, Kerala State Chapter. In his talk he mentioned about the extinction of marine turtles, destruction of its habitat and conservation strategies for its sustainability. The function was presided over by Dr. P. K. Josekutty (Principal) and certificates for participants were distributed by Dr. A. P. Lipton (Retd. Principal Scientist CMFRI). Feedback of the entire seminar was presented by Dr. Jincy Anna Jomy, Asst. Prof. Kerala University of Fisheries and Ocean Studies, Kochi. Dr. J. Jean Jose, Organizing Secretary, COBIA 2017 proposed the Vote of thanks.



List of participants in the 3 day International seminar

Students from India	-	119
Students from Behrampur University, Odisha Collaborating with University of Bremen, Germany	-	2
Research scholars from India	-	27
Faculty from India	-	41
Faculty from Plymouth Marine Laboratory, UK	-	2
Faculty from King Abdulaziz University, Saudi Arabia	-	2
Scientists from Indian Research Institutes	-	6
Members from NGO's and Nansen Environmental and Remote sensing centre (India, Bangladesh, Norway, China and Russia)	-	2
Members from Department of Fisheries	-	2
		<hr/>
Total participants	-	<u>203</u>



സെന്റ് ഗ്രിഗോറിയോസ് കോളജിൽ തീരദേശ ജൈവവൈവിധ്യ അവലോകന സെമിനാർ ഡോ. ട്രെവർ പ്ലാറ്റ് ഉദ്ഘാടനം ചെയ്യുന്നു.

പിടികൂടുന്ന

കൊട്ടാരക്കര • റവന്യൂ ഗസറ്റ് സംഘത്തെ കേസിലെ പ്രതികളായ മുഴിക്കോട് ബ്രാഞ്ച് യെയും കൂട്ടരെയും പിടികൂടുന്നില്ലെന്നു പരാമർശം പ്രതിഷേധിച്ചു.

റെ

കൊട്ടാരക്കര • കൈനഗർ, സുരഭി നഗർ ജംക്ഷൻ, അടൂർ മു

ഇന്നത്തെ

- ആയുർ ഓർത്തോജീ ഗ്രൗണ്ട് മാർത്തോരുവനന്തപുരം - കൈകൾവർഷൻ. ഗാന ഉദ്ഘാടനം - ഡോ. അനോമ്മാ മെത്രാപ്പോലീത്താമാർ - റവ. ഡോ. ഞാൻ എ. തോമസ് 7
- കലയപുരം സിംസാധു കൊച്ചുകുടമെമ്മോറിയൽ കള
- കൈതക്കോട് വള്ളി: ഇടവക കലവാന 9.30.
- ആനക്കോട്ടൂർ ദേവർ ക്ഷേത്രം: ഹ ജ്ഞാനയജ്ഞ

സെമിനാർ നടത്തി

കൊട്ടാരക്കര • സെന്റ് ഗ്രിഗോറിയോസ് കോളജിൽ തീരദേശ ജൈവവൈവിധ്യ അവലോകന സെമിനാർ നടത്തി. കോളജിലെ സുവോളജി വിഭാഗവും കേരള സ്റ്റേറ്റ് കൗൺസിൽ ഫോർ സയൻസ്, ടെക്നോളജി ആൻഡ് എൻവയൺമെന്റുമായി സഹകരിച്ചു നടത്തിയ സെമിനാർ ഡോ. ട്രെവർ പ്ലാറ്റ് ഉദ്ഘാടനം ചെയ്തു. കോളജ് മാനേജർ മാത്യൂസ് മാർ തിയഡോഷ്യസ്, സക്കറിയ റവ്യാൻ, പ്രിൻസിപ്പൽ ഡോ. പി.കെ.ജോസ്കുട്ടി, ഡോ. ജെ.ജിൻ ജോസ് എന്നിവർ പങ്കെടുത്തു. ഡോ. ശുഭ സത്യേന്ദ്രനാഥ്, ഡോ. വി.ആർ.ഷാജി എന്നിവർ മുഖ്യാതിഥികളായിരുന്നു.

- വർഷ മുഖിസ്: (a/c, dts) കട്ടപ്പനയിലെ ജയിക് റോഷൻ (Mal 4 Shows 11, 2.30, 6.30, 9.30)
- അർച്ചന ക്ലാസിക്: (a/c, dts) ബലൈ വെള്ളയ തേവ (Tamil 4 Shows 11, 2.30, 6.15, 9.30)
- വർഷ റോയൽ സ്റ്റുട്ട്: (a/c, dts) പുലിമുരുകൻ (Mal 4 Shows 11.15, 2.45, 6.45, 9.45) online bookig www.vashamovies.com Tel: 0475 - 2273033.
- പുനലൂർ തായ്ലക്ഷ്മി: (a/c, dts) Danggal (Hindi 4 Shows 11, 2.30, 6.30, 9.30) thailakshmitheatre.in online booking www.justicket.in Tel: 2222232
- രാംരാജ്: (dts) ബലൈ വെള്ളയ തേവ (Tamil. 4 Shows 11, 2.30, 6.30, 9.30) www.justickets.ramaraj.n. Tel: 2222672
- ശ്രീപത്മനാഭ: (dts) ഗോഡ്സെ (Mal. 4 Shows 11.00, 2.30, 6.30, 9.30)

Seminar news in Malayala Manorama Daily dtd. 12/01/2017



COBIA 2017 Team with Prof. Dr. Trevor Platt