

ANNUAL REPORT 2015-2016



KERALA UNIVERSITY OF FISHERIES AND OCEAN STUDIES

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KUFOS Annual Report 2015-2016

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Registrar, Kerala University of Fisheries and Ocean Studies

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KUFOS Annual report is an in-house publication. This is a report of activities of KUFOS during 2015-2016 period

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UNIVERSITY LOGO

This emblem signifies the mission, goals and motto of Kerala University of Fisheries and Ocean Studies. It symbolizes the co-existence of all forms of aquatic life and our responsibility to preserve the ecology and conserve the bio-diversity by judicious exploitation of aquatic resources for sustainable development.

The deep and light blue colours respectively represent the ocean and sky. The waves in the sea represent the dynamic nature of the sea with all its mystery and music. “All deep things are music” (Carlyle). The ocean is our planet's life belt. The very survival of the human species depends upon the maintenance of an ocean, clean and alive.

“For the sea lies all about us..... The continents themselves dissolve and pass to the sea.... In its mysterious past, it encompasses all the dim origins of life.... And receives in the end... the dead husks of that same life. For all at last return.... To Oceanus, the ocean river, like the ever-flowing stream of time, the beginning and the end” (Rachel L. Carson- The Sea Around Us, 1951).



Fiat piscis:

Let there be fish. This is the literal translation of the Latin words “*FIAT PISCIS*”. The idea is to grow more fish with a view to ensuring food and nutritional security. As Lao-tsu, the Chinese philosopher, rightly said centuries ago: “Give a man a fish and you feed him for a day. Teach him how to fish, and you feed him for a lifetime”.

Chinese net:

It is a passive gear operated by a group and it represents team work and co-operation, symbolizing the aspirations of the traditional fisheries sector.

Ship:

Used for exploring and exploiting oceanic resources, this fully equipped vessel symbolizes the modern sector, with its sophisticated technology.

Nansen bottle:

Operated through a pulley and attached to the ship, it represents the concern for maintaining water quality and the need to contain water pollution.

Shrimp:

As a foreign exchange earner, this crustacean has tremendous importance in the fishery economy of Kerala.

Pearl spot:

'Karimeen' (*Etroplus suratensis*), the State fish of Kerala, represents the dainty delicacy of the State.

Conch:

A mollusc, the shell with its mathematical patterns, used for carrying holy water during rituals, is a sublime symbol with spiritual, aesthetic, artistic, rejuvenating and medicinal values.

Open book:

It symbolizes knowledge and it signifies disinterested search for truth by research and learning.



FROM VICE CHANCELLOR'S DESK

Globally about 950 million people depend on fish as the principal source of animal protein. Fish is second only to rice in the diet of low income people in many developing nations. Fish is the most heavily traded food commodity from the primary sector in the international markets showing a higher growth rate than any other agricultural products. Fisheries in India has grown from subsistence fishing to the status of a multi billion industry during the last six and a half decades. The coastal people in our country, mainly depend on fish and fishery industry for their livelihood. It is our social responsibility to sustain the resources by judiciously utilizing it. Fisheries have made valuable contributions to economic development of coastal areas by generating employment opportunities, in remote and marginal areas. However, the marine fisheries sector is presently facing problems like excess fishing capacity, low catch per unit effort, wide income disparities among the sectors of the fishing community and resultant socio economic conflicts. Poor implementation of the various fishery management measures also add to the present crisis. Now the focus is given in the marine sector to improve the productivity by utilization of untapped resources in the Indian EEZ. The current total fish production in the country is 6.4 million metric tonnes (mmt) of which 3.4 mmt is inland and 3.0 mmt is marine production. The Fishery sector contributes about 1.21 per cent of the total GDP and 5.37 per cent of the GDP from agriculture sector and provides employment to 14 million persons. According to FAO estimates, the human consumption of fish is about 80% of the world's fish production at per capita of 17.1 kilogram which is expected to rise considerably by the year 2030. However, meeting the requirements of the growing population in the years to come is a big challenge. To meet this challenge, we have to look into the development of fisheries sector including aquaculture as it is the only available alternate food production system.

Qualified manpower is a constraint to look after the various stages of production and marketing. It is with this view that under graduate and Post graduate programmes in fisheries were promoted by Indian Council of Agricultural Research (ICAR) and various state governments. The field of fisheries is diversifying, thus in fisheries education the challenge would be to bring out a generation of skilled fisheries professionals to cater to the increasing needs of the sector. With this in view in 2010, the Kerala University of Fisheries and Ocean Studies (KUFOS), the first Fisheries and Ocean Studies University of the country was established by the Government of Kerala. The University not only offers diversified courses in Fisheries and allied subjects like Aquaculture, Fish Processing, Fishery Resource Management, but also provides new and emerging branches in fisheries like Biotechnology, Bioinformatics, Microbiology, Genetics, Molecular Biology, Biological Oceanography, Food Science and Technology, Environmental Sciences, Maritime Law, MBA in Fisheries and Rural Management, Port and Harbour Engineering. The University offers Ph.D programmes in all branches of fisheries and ocean studies. The University has established academic and research collaboration with all the important national fisheries institutes and universities. The extension and outreach programmes offered by the university are a boon for those who are in the fisheries field especially the coastal community. The University gives emphasis on imparting excellent education and skill development to our students. The campus gives them ample opportunity to develop their overall personality including their creative talents in arts and sports literary activities.

Prof. (Dr.) B Madhusoodana Kurup,
Vice Chancellor
Kerala University of Fisheries and Ocean Studies



OUR HONOURABLE CHANCELLOR



SHRI. JUSTICE P. SATHASIVAM
HON'BLE GOVERNOR OF KERALA

OUR HONOURABLE PRO-CHANCELLOR



SHRI. K. BABU
Hon'ble Minister for Fisheries, Ports and Excise, Government of Kerala



KERALA UNIVERSITY OF FISHERIES AND OCEAN STUDIES

The Kerala University of Fisheries and Ocean Studies (KUFOS) is an autonomous public funded institution established on 20th November 2010. The first Fisheries University in the country, KUFOS with its enchanting blue building stands in harmony with the greenery at Panangad, 12 km away from Kochi City, along the National Highway-66. It provides high quality instructional programmes in fisheries, ocean sciences and allied subjects. The University now has a sprawling campus of 75 acres in the headquarters at Panangad, brackish water and marine aquaculture area spanning 50 acres at Fisheries research station, Puduveypu and extensive 10 acres at Thiruvallom near Vizhinjam.

The College of Fisheries, Panangad under the Kerala Agricultural University was the only institution in the fisheries sector in the State imparting undergraduate professional degree programme. Kerala University of Fisheries and Ocean Studies was established in November, 2010 by an Act of the Kerala State Legislative Assembly by delinking the College of Fisheries from the Kerala Agriculture University and started functioning on 01.04.2011. KUFOS was established for the development of manpower in fisheries and ocean studies and for ensuring proper and

systematic instruction, teaching, training and research and extension exclusively in fisheries and ocean studies in the State of Kerala. This is the primary and principal institution of Kerala State for providing human resources with skills and technology required for sustainable developments as a Centre of Excellence for human resource development in Fisheries and Ocean Studies. It is the nodal agency to establish relationship with institutions at international level

KUFOS imparts quality education comparable with world class standards and giving significance to research oriented studies with effective meaningful and rewarding extension activities. With a view to producing technocrats of high calibre we provide highly qualified faculty, full fledged infrastructure facility and good linkages with reputed national and international institutes. The academic excellence is intended to be attained by undertaking graduate and post graduate teaching and research programmes in emerging disciplines of fisheries science. With a view to meeting the requirement of state and national priorities, we are introducing specialized courses in the needy areas thereby creating professionals and experts. Results of research emerging various disciplines leading to successful technologies need to be disseminated to the end users at the grass root level.



UNIVERSITY STATUTORY OFFICERS

VICE CHANCELLOR (2015-2016)



Prof. (Dr.) B. MADHUSOODANA KURUP
Till 28.02.2016



Mr. Mara Pandiyan IAS
(Assumed charge of Vice Chancellor on 29.02.2016)

PRO VICE CHANCELLOR



Prof. (Dr.) K. PADMAKUMAR

REGISTRAR



Dr. V.M. VICTOR GEORGE

FINANCE OFFICER



SHRI. JOBY GEORGE P

CONTROLLER OF EXAMINATIONS



DR. MURALEEDHARAN NAIR

UNIVERSITY ENGINEER



SHRI. JOY P.

DIRECTOR OF RESEARCH



Prof. (Dr.) K.V. JAYACHANDRAN

DIRECTOR OF EXTENSION (I/C)



Dr. DAISY C. KAPPEN



THE UNIVERSITY

Kerala University of Fisheries and Ocean Studies (KUFOS) is an autonomous public funded institution established on 20th November 2010 and governed by the Kerala University of Fisheries and Ocean Studies Act, 2010. As per the Notification No.19540/Leg.I/2010/Law Dated 28.01.2011, the Government of Kerala have promulgated Act 5 of 2011 forming Kerala University of Fisheries and Ocean Studies (KUFOS).

KUFOS is the first Fisheries University formed in India and it comes under the Ministry of Fisheries. As per G.O. (P) No. 510/F & PD dated 10.05.2011 the Government of Kerala disaffiliated College of Fisheries, Panangad and Fisheries Station, Puduveypu from Kerala Agricultural University and these institutions became the part and parcel of the newly formed Kerala University of Fisheries and Ocean Studies w.e.f. 01.04.2011. The territorial jurisdiction of the University extended to the whole of the State of Kerala and the Headquarters of the University is at Kochi in Ernakulam District.

The Panangad campus, which is the Headquarters of the University, is 12 km away from Kochi city, along the NH 47 and sprawls in area of 85 acres. Fisheries Station, Puduveypu having an area of 50 acres is situated in Vypeen Island (9° 58' – 10° N lat. and 76° 10' – 76° 12' E long.) on the North-Western bank of Cochin bar mouth, Cochin taluk. It is at a distance of about 2 km from Vypeen-Pallippuram Road. The Arabian Sea on the West

and the Cochin barmouth on the South. Besides these campuses, the Govt. have allotted 10 acres of land at Thiruvallam, near Thiruvananthapuram for setting up a Regional Station.

Kerala University of Fisheries and Ocean Studies is the primary and principal instrumentality of Kerala State in providing human resources, skills and technology required for the sustainable development of Fisheries and Ocean Studies. It acts as a centre of excellence for human resource development in Fisheries and Ocean Studies and the nodal agency to establish relationship with institutions and universities functioning at National and International level. The mission of the University is to serve as a flagship University of higher learning through demonstrated and growing excellence in teaching, research, extension, training, scholarship and creative work in Fisheries and Ocean Studies, comparable with global standards that will benefit the country and the world at large.

His Excellency, the Governor of Kerala, is the Chancellor and the Hon'ble Minister for Fisheries is the Pro-Chancellor of the University. The chief executive body of the University is the University Governing Council. The Vice Chancellor is the principal executive officer who is assisted by the Pro-Vice Chancellor, Registrar, Deans of Faculties, Controller of Examinations, Director of Research, Director of Extension, Directors of Schools, Heads of Departments, and Finance Officer.



MISSION, VISION AND GOALS

MISSION

The mission of the university is to serve as a flagship university of higher learning through demonstrated and growing excellence in teaching, research, extension, scholarship and creative work in fisheries and ocean studies, comparable with global standards that will benefit the country and the world at large.

VISION

- To produce professionally and technically competent manpower in Fisheries and Ocean studies to cater the needs of the fast developing sector.
- Develop entrepreneurship among the fisheries graduates by imparting hands on training and give opportunities to develop management skills through Fisheries Work Experience Programme.
- Undertake research and extension activities in the field of Fisheries and Ocean studies by undertaking research in frontier areas and by promoting interdisciplinary/ inter-departmental/ inter-institutional co-operation.
- Provide employment opportunities for the people especially fisher folk by imparting trainings on modern techniques of fishing, primary handling, preservation, production of value added fishery products, ornamental fish culture, hatchery production of seeds of various cultivable fin and shell fishes and their farming.
- Provide consultancy services so as to put into practice the technologies developed among the entrepreneurs and generate income for the institution.
- Achieve the mission and goals laid down by the University.
- Develop infrastructure facilities and inter-institutional co-operative programmes in order to make the campus the nucleus of the Fisheries and Ocean studies in the world.

GOALS

- To further the advancement in learning and conduct research in fisheries, ocean studies and allied subjects.
- Impart education in fisheries and ocean studies and allied subjects.
- Formulate new courses and curriculum in fisheries and ocean studies sector in accordance with the technical advances in the respective fields
- Act as a nodal agency to establish relationship with institutions and universities functioning at national and international levels
- Act as a centre of excellence having leading role for HRD in Fisheries and Ocean studies
- Foster and encourage entrepreneurship in Fisheries and Ocean studies.



Objectives of the University

- (i) making provisions for imparting education in fisheries, ocean studies and other allied branches of learning and research scholarship;
- (ii) furthering the advancement of learning and conduct of research in fisheries, ocean studies and allied subjects;
- (iii) undertaking extension education programmes;
- (iv) to formulate new courses and curriculum in Fisheries and Ocean Studies sector in accordance with the technical advances in the respective fields;
- (v) to act as nodal agency to establish relationship with Institutions and Universities functioning in national and international level;
- (vi) to act as a centre of excellence having leading role for Human Resources Development in Fisheries and Ocean Studies sectors;
- (vii) to foster and encourage entrepreneurship in fisheries and ocean studies sector;
- (viii) to develop breeds and hybrids of ornamental fishes, prawns and oysters having features like production capacity, resisting power and good quality suitable to the environment of Kerala;
- (ix) to develop farming practices, fish feeds, fish disease control, resistant and vigilant steps suitable to the sustainable farming of ornamental fishes;
- (x) to preserve the fish bio-diversity of Kerala, to establish their intellectual property right to develop and utilize the possibilities of new technology like bio-technology;
- (xi) to conduct study and to record and preserve the study results relating to traditional fish technology, traditional knowledge, sustainable fish protection and to foster development;
- (xii) to strengthen research on fishing and related habitat and the relevant environmental factors; and
- (xiii) such other purposes as the University may deem necessary from time to time.

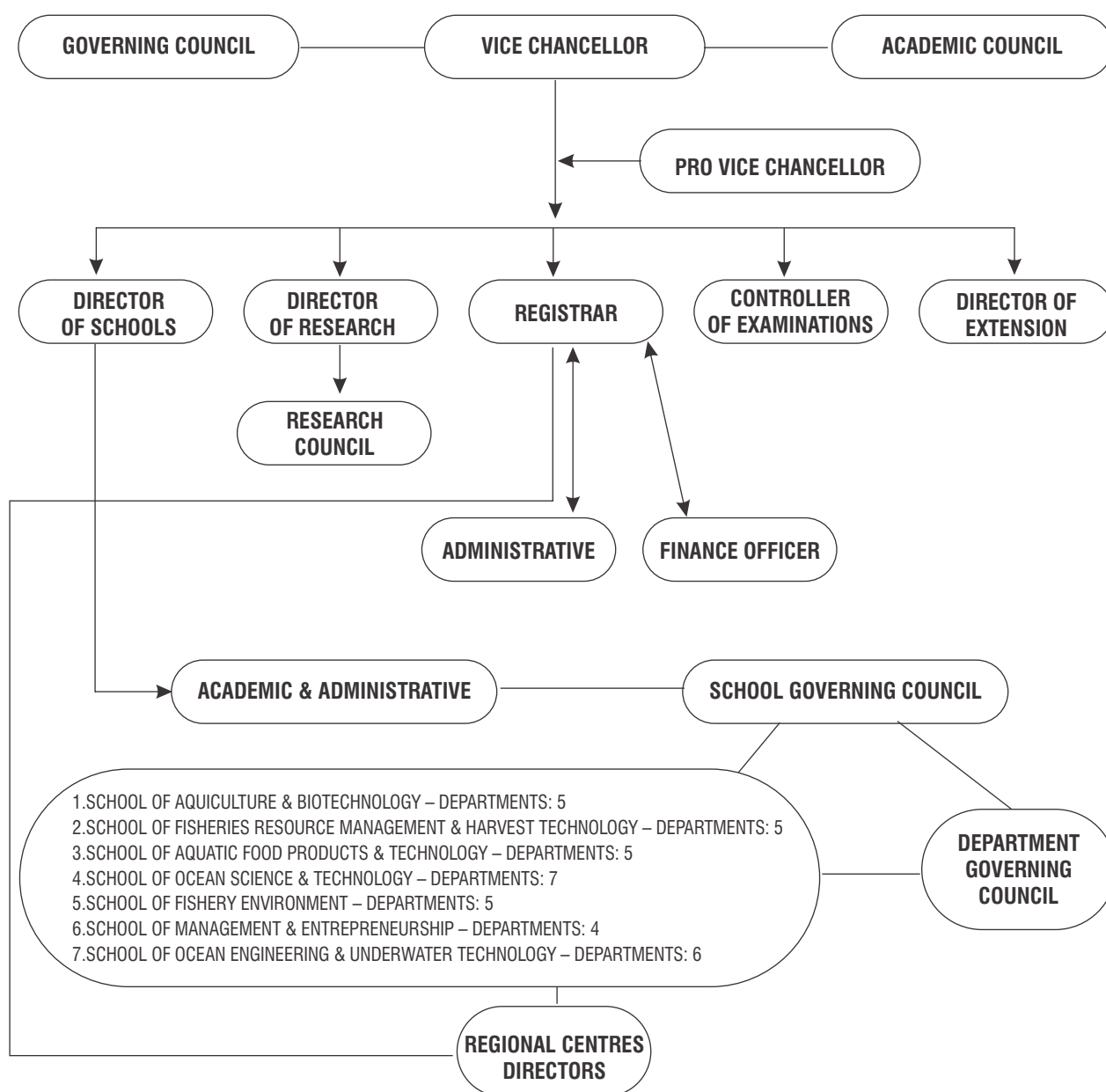


ORGANIZATION AND GOVERNANCE

ORGANIZATIONAL CHART

The University is headed by the Vice Chancellor. The other officers of the University are the Pro Vice Chancellor, Registrar, Finance Officer, Controller of Examinations, Director of Research, Director of Extension, School Directors, University Engineer and University Librarian. The Governing Council is the supreme authority of the University, and the members of the Council are nominated by the Chancellor for a period of three years.

The organizational chart given below gives an overall picture of the set up





FUNCTIONING

The process involved in decision making starts at the level of the Department Governing Council. All permanent teachers of the concerned department are the members of the department governing council.

The Department Government Council shall design the syllabus and make proposal regarding the courses of study in the Department to the School Governing Council.

The Department Governing Council shall meet at least once in a month or as and when required to review the academic activities and to suggest need based curricular changes.

The School Governing Council functions above the Department Governing Council.

The Director shall carry out the decisions of the School Governing Council and co-ordinate the functions of the departments in the best interest of the School and the University.

The School Governing Council shall prescribe the qualifications of the examiners and approve the panel of examiners for external examinations.

The Director shall propose examiners for the conduct of external examinations.

The School Governing Council shall meet at least once in three months or as and when required to review the academic activities and to take decisions on need based curricular activities.

The School Governing Council shall have adequate financial powers for the functioning of the various departments under the School including power for strengthening the infrastructure, improving the teaching and research facilities and for maintaining and operating research vessel, if any.

Without prejudice to the provisions in sub-clauses mentioned above, the School Governing Council shall have the following additional powers, namely:-

- a) to propose the courses of studies in the institutions maintained by the University;
- b) to propose the qualifications of teachers in Schools and other institutions maintained by the University;
- c) to propose the qualifications of students for admission to the various courses of studies and to the examinations and the conditions under which exemptions may be granted;
- d) to make proposal for instruction and training in such branches of learning as it may think fit;
- e) to make proposal for the institution of Professorships, Readerships, Lectureships and other teaching and research posts required by the University;
- f) to propose schemes for the constitution or reconstitution of departments for teaching, research and extension education based on the proposals received from the Department Governing Council;
- g) to exercise such other powers and perform such other functions as may be conferred or imposed on it by the Act and Statutes, Ordinances and Regulations made thereunder.



The Research Council:

Research Council shall consist of the following members, namely:

- (i) Director of Research who shall be the Chairman of the Council.
- (ii) Directors of all Schools;
- (iii) One senior faculty member who is a recognized guide from each School nominated by the Vice Chancellor;
- (iv) Director of each Regional Centre;
- (v) One representative of Indian Council of Agriculture Research;
- (vi) One representative of MOES;
- (vii) One representative of fishery industry nominated by the Vice Chancellor; and
- (viii) The Vice Chairman of the Planning Board, Government of Kerala or representative of the Board nominated by him.

Research Council shall be responsible for formulating research policies, identifying thrust areas, advising possible funding agencies and monitoring and reporting the progress and quality of research to the Vice Chancellor from time to time.

The Academic Council

Subject to the provisions of this Act and Statutes, the Academic Council shall have the following powers, duties and functions.

- (a) To advise the University Governing Council on all academic matters;
- (b) Make regulations and to amend or repeal the same;
- (c) Approve the courses of studies in the institutions maintained by the University;
- (d) Approve the qualifications of teachers in schools and other institutions maintained by the University;
- (e) Approve the qualifications of students for admission to the various courses of studies and to formulate conditions under which exemptions may be granted;
- (f) Consider and approve proposals for the instruction and training in such branches of learning as it may think fit;
- (g) Consider and approve proposals for the institution of post of Professors, Associate Professors, Assistant Professors, Readers, Lectures and other teaching and research posts, required by the University;
- (h) Approve proposals for determining the degrees, diplomas and other academic distinctions that shall be granted by the University;
- (I) Decide which examinations of other Universities may be accepted as equivalent to those of the University and to negotiate with other Universities for the recognition of the examinations of the University;
- (j) Approve, modify or revise schemes for the constitution or reconstitution of departments for teaching, research and extension education based on the proposals received from the School Governing Council;
- (k) Maintain standards regarding post graduate teaching, research and extension education;
- (l) Give advice to the University in all academic matters and to submit feasibility report before the Governing Council regarding the academic programmes as recommended by the Senate in its annual meeting;
- (m) Exercise such other powers and perform such other functions as may be conferred or imposed on it by the Act and Statutes, Ordinances and Regulations made there under.

The GC and the Senate are the supreme decision making bodies in the University.



4.1. CAMPUSES OF KUFOS

4.1.1 HEADQUARTERS, PANANGAD



The campus at Panangad lies on the western side and eastern side of the National Highway. The total area of this campus is 87.73 acres. It includes the already developed area in which the administrative building, academic block, the quarters, hostels etc are located. Major portion of the campus is occupied by fish ponds and natural mangrove vegetation. The campus is bordered on the western side by the Vemband backwater system.

4.1.2 FISHERIES STATION, PUDUVEYPU



The Fisheries Station is situated in Puthuveypu in the Vypeen Island on the north-western bank of Cochin bar mouth, Cochin Taluk. It is at a distance of about 2 km from Vypeen-Pallippuram road and about 15 km away from the main campus.



The Arabian sea on the west, the Cochin bar mouth on the south and a canal emerging from the bar mouth in the east form its main boundaries. On the northern side, the station joins the land proper of the main island. The Typical mangrove associations are characteristic of the area. This low lying area is subjected to the tidal influence of Cochin bar mouth. Therefore, the prospect of culturable fish and fish fry recruitment is very bright. The unique geographical position bestows on the station to embark on different aspects of fisheries research to open up new vistas. Major activities of this Station are teaching, research and extension. This Station also gives practical training in brackish water fish farming to B.F.Sc. and M.F.Sc. students of the University. The farm area is marshy, being daily inundated by saline and brackish water intrusions. Approved research programmes on commercially important fishes, shrimps and ornamental fish are being implemented. In addition, many awareness programmes are also given to entrepreneurs. The Station is also a centre for various varieties of mangrove and associated vegetation. The campus is covered by natural mangrove vegetation comprising about 18 acres and ponds. Administrative block, laboratory, hatchery etc. are located near the entry point of the campus.

During 2015-16 financial year successful trial farming of *Litopenaeus vannamei* was carried out at the Station.

4.1.3. REGIONAL STATION, THIRUVALLAM

The State Government has allocated 10 acres of land at Thiruvallam for the setting up of a Regional Research Station. Infrastructural facilities proposed at Thiruvallam campus as per the Master Plan submitted by KITCO are under consideration and will be implemented in a phased manner.

5. ADMINISTRATION

The Vice-Chancellor is the chief executive officer and the Registrar is the administrative head of the university. The Governing Council is the supreme authority of the University and that is supported by the Senate, Academic Council, Research Council, School Governing Council and Department Governing Councils. The day-to-day administration is carried out by the office of the Registrar under whom the Finance Officer, responsible for the financial management of the University functions. On the research side, the Directorate of Research, and on the extension side the Directorate of Extension coordinate the respective activities. Conduct and evaluation of examination and allied activities are vested with the Controller of Examinations. Academic activities related to the different Schools are controlled by the School Directors under whom the various Departments with the Heads of Departments function.

- KUFOS started functioning on 01.04.2011 with its Head Quarters at Panangad.
- The logo of KUFOS was released by Sri. K. Babu, Minister of Fisheries, Port & Excise, Govt. of Kerala, in a function organised at KUFOS on 20.06.2011.
- Two day National Consultative Workshop for Preparation of Vision Document and Strategic Plan of KUFOS was inaugurated by Sri. K. C. Venugopal, Union Minister of State for Power at International Hotel, Ernakulam on 28.07.2011. Dr. E. G. Silas, Former VC, KAU launched the new website of the University during the function.



- The first Governing Council meeting of KUFOS was held on 28.03. 2012 at Thycaud Guest House, Thiruvananthapuram.
- The Certificate distribution function to distribute Provisional B F Sc Degree Certificates to the 2007 batch students, in which the certificates were distributed by Sri. K. Babu, Hon'ble Minister of Fisheries & Ports.

5.3.1 STATUTORY OFFICERS

Sl. No.	Name	Designation
1	Prof.(Dr.)B. Madhusoodana Kurup	Vice Chancellor
2	Prof. (Dr.) K Padmakumarr	Pro Vice Chancellor
3	Dr V M Victor George	Registrar
4	Dr .Muraleedharan Nair	Controller of Examinations
5.	Dr. K Gopakumar	Dean, Faculty of Fisheries
6.	Dr K Chandrasekar	Dean, Faculty of Ocean Science and Technology
7.	Prof.(Dr.) Krishnan Kutty	Dean, Faculty of Ocean Engineering
8.	Prof. (Dr.) N.R.Menon,	Dean, Faculty of Climate Variability and Aquatic Ecosystem
9.	Dr. M.Bhassi,	Dean, Faculty of Management, Humanities and Social Sciences Dean, Faculty of Fisheries
10	Prof. (Dr.) K.V. Jayachandran.	Dean, Faculty of Fisheries
11	Sri. Joby George	Finance Officer.
12	Prof. (Dr).K.V.Jayachandran	Director of Research
13	Dr. Daisy C Kappen	Director of Extension (i/c)
14	Sri. K M Joy	University Engineer

AUTHORITIES OF THE UNIVERSITY

The following are the authorities of the University

1. The Senate
2. The University Governing Council
3. The Academic Council
4. The Research Council
5. The School Governing Councils
6. The Department Governing Councils
7. The Faculties; and such other bodies as may specified by the Statutes.



Senate

The Kerala Government constituted the first Senate of the University as per Section 6 of KUFOS Act 5 of 2011. As per Section 10 of KUFOS Act, the Senate consists of Ex-officio Members (10 Nos.), Nominated Members (24 Nos.) and Elected Members (13 Nos.). The term of the Senate is five years from the date of its constitution by the Chancellor and the Chancellor shall reconstitute the Senate on expiry of its term. Senate shall meet at least twice a year on dates to be fixed by the Vice Chancellor and one of such meetings shall be called the annual meeting.

Members of Senate

► The Chancellor

Govt of Kerala, Kerala Raj Bhavan
Thiruvananthapuram

► The Secretary to Government

Finance Department (or an officer not below the rank of Jt. Secretary nominated by him), Govt. Secretariat
Thiruvananthapuram

► Shri.K.Babu MLA

(Tripunithura Constituency)
Kunnumparambath House,
Sanskrit College Road, Tripunithura

► The Law Secretary

Govt. of Kerala (or an officer not below the rank of Jt. Secretary nominated by him)
Govt. Secretariat, Thiruvananthapuram

► The Vice Chancellor

Kerala University of Fisheries and Ocean Studies
Panangad P.O, Kochi

► Director of Fisheries

Government of Kerala, Vikas Bhavan
Thiruvananthapuram-695033

► The Pro-Vice Chancellor

Kerala University of Fisheries and Ocean Studies
Panangad P.O., Kochi

► Prof.(Dr.)K.V.Jayachandran

Department of Fishery Biology
Kerala University of Fisheries and Ocean Studies,
Panangad P.O, Kochi – 682506

► The Secretary to Government

Fisheries Department, Govt .of Kerala
Govt .Secretariat, Thiruvananthapuram

► Prof.(Dr.) M.S.Raju

Dept. of Business Administration and Management
Kerala University of Fisheries and Ocean Studies
Panangad P.O, Kochi – 682506

► The Secretary to Government

Higher Education Department
(or an officer not below the rank of Jt. Secretary nominated by him)
Govt. of Kerala, Govt Secretariat
Thiruvananthapuram

► Prof.(Dr.) Sajan George

Department of Processing Technology
Kerala University of Fisheries and Ocean Studies,
Panangad P.O, Kochi – 682506

▶ **(Dr.) Shyama.S**

Department of Aquaculture
Kerala University of Fisheries and Ocean Studies,
Panangad P.O, Kochi – 682506

▶ **Shri.N.N.Raman**

Department of Fishery Hydrography,
Kerala University of Fisheries and Ocean Studies,
Panangad P.O, Kochi – 682506

▶ **Dr.K.Padmakumar**

Director, Centre for Marine
BioDiversity, Kerala University Campus,
Kariyavattam P.O
Thiruvananthapuram – 695581

▶ **Dr. Joslet Mathew,**

Principal, Nirmalagiri College, Koothuparambu,
Nirmalagiri.P.O., Kannur-670701

▶ **Dr. J.B.Rajan,**

Assistant Professor
Kerala Institute of Local Administration
Mulankunnathukavu P.O., Thrissur-81

▶ **Dr.K.Ambady**

9, D, Kowdiar Manor,
Jawahar Nagar, Kowdiar P.O
Thiruvananthapuram – 03

▶ **Shri.S.Shaheer**

Assistant Section Officer
Kerala University of
Fisheries and Ocean Studies,
Panangad P.O, Kochi – 682506

▶ **Shri.T.A. Radhakrishnan**

Thendankavil House,
Thonnurkkara P.O.,
Chelakkara,
Thrissur – 680587

▶ **Shri.Ajith M.R**

Muthanattu House,
Koovakandam P.O., Naliyany,
Thodupuzha (Via), Idukki

▶ **Shri. T.K.Somanathan**

Thundiparambil House,
Kundannoor , P.O Maradu
Ernakulam – 682304

▶ **Adv. Vaheeda .U**

U.A. Nivas, Kaithakuzhy,
Kummalloor P.O.,
Kollam – 691573

▶ **Shri.V.P. Sajeendran MLA**

Vallothyamala House,
Anickad P.O
Kottayam

▶ **Shri.A.P. Abdullakkutty MLA**

'Rose Pot', Pallikkunnu P.O
Kannur – 670004

▶ **Shri Roshy Augustine MLA**

Central Office, Cheruthony
Idukki colony P.O,
Idukki – 685602



Shri . Mathew Sebastian.

- ▶ Department of Commerce and Management
Kerala University of Fisheries and Ocean
Studies, Panangad P.O, Kochi-682506

Dr.Dinesh.K

- ▶ Asst Professor & Head,
Fisheries Research Station,
Kerala University of Fisheries and Ocean
Studies,
Puduvypu P.O, Ernakulam

Smt. Malika.V

- ▶ Department of Commerce and Management
Kerala University of Fisheries and Ocean
Studies, Panangad P.O, Kochi – 682506

Smt. Alphy Korath

- ▶ Department of Commerce and Management
Kerala University of Fisheries and Ocean
Studies,
Panangad P.O,
Kochi – 682506

Leya Joy

- ▶ II Semester
M.Sc. (Biological Oceanography &
Biodiversity)
Vadakkethala House
Punchiri Lane
Thevara, Kochi – 13

Musthafa

- ▶ BFSc (2011 Batch)
Cherrickal House
Thalakkulathur P.O.
Parambath
Kozhikode

Anoop Babu.M

- ▶ BFSc (2012 Batch)
169, VIII KWA Quarters
Kadavanthra
Near GCDA, Kochi – 20

Sahna Don

- ▶ BFSc (2009 Batch)
Kanakkassery House
Ochanthuruthu P.O
Ernakulam – 682508

Sneha Joseph

- ▶ II Semester MBA
Kalayil House
Kulayettikkara
Kanjiramattom P.O., Ernakulam – 682315

Sri. P.J.Cleetus

- ▶ Assistant Section Officer
Fisheries Research Station
Kerala University of Fisheries and Ocean Studies
Puduvypu
Ernakulam – 682 508



Governing Council

As per letter No. GS 5-957/2011 dated 19.03.2012 of His Excellency the Governor of Kerala and Chancellor of KUFOS, the first University Governing Council was formed in accordance with the provisions contained in Section 76 of KUFOS Act 5 of 2011. The Governing Council is the supreme authority of the university and comprises of 23 members from among the category of Ex-officio Members (11 Nos.), Elected Members (4 Nos.) and Nominated Members (8 Nos.). At the outset, the Govt. have formed the KUFOS Governing Council by nominating 16 members. The University Governing Council shall be reconstituted every four years. The Governing Council shall meet at least once in a month on dates to be fixed by the Vice Chancellor after giving due notice to all members.

As the first Governing Council was constituted during the fag end of March 2012, only one meeting was convened on 28.03.2012 at Thycaud Govt. Guest House during the year 2011-12.

Members of the Governing Council

- | | |
|---|---|
| 1. The Vice Chancellor KUFOS | Prof.(Dr.) B. Madhusoodana Kurup
0484 2703781 (Direct), 2700598, 2700964 ,
(Res) 0484 2703944, 2700424
Fax:-91 484 2700337
kurup424@gmail.com, vc@kufos.ac.in |
| 2. Pro Vice Chancellor KUFOS | Prof.(Dr.) K Padmakumar
0484 2700596
pvc@kufos.ac.in |
| 3. Secretary to Govt. of Kerala,
Fisheries Department,
Govt. Secretariat,
Thiruvananthapuram | 0471-2321129
0471-2333115 (Fax) |
| 4. The Secretary to Govt. of Kerala
Higher Education Department,
Govt. Secretariat Thiruvananthapuram | 8547497773 (Mobile
Fax – 0471-2332245
Abrahamkm.trlsecretary@gmail.com |
| 5. The Secretary to Govt. of Kerala
Finance Department
Govt. Secretariat Thiruvananthapuram | Tel.0471-2518292, 2327586
Fax 0471-2326990 |
| 6. The Law Secretary to Govt. of Kerala
Govt. Secretariat Thiruvananthapuram | Telephone – 0471-2518383
Mobile – 9447762955
Fax-0471-2332955 |



7.The Executive Vice President
Kerala State Council for Science
and Technology and Environment
Sastra Bhavan, Pattom
Thiruvananthapuram.

(Mobile – 9446430555)
Tel.No. 0471- 2548200, 0471-2540085
mailto@kscste.org

8. Sri. Dominic Presentation MLA
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Sunoro Church Road
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9. Sri. Abdurahiman Randathani, MLA
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10. Sri. T.N. Prathapan, MLA
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11. Principal Scientist & SIC
Mandapam Regional Centre of CMFRI
Marine Fisheries P.O.
Mandapam Camp
Ramanathapuram – 623 520

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Fax – 04573-241502

12. Adv. K.K. Radhakrishnan
Keerthy
Padanayarkulangara
South Karunagappilly P.O., Kollam 690 518

Mobile - 9847514474

Dr. V.N. Sanjeevan, Director
Centre for Marine Living
Resources & Ecology (CMLRE),
Kerdriya Bhavan P.O. CSEZ, Kochi – 682 037

Tel No. 0484-2427790, 2427738
Mobile – 9847204052
Fax – 0484-2421888

Sri. Vakkachan Ambookan
Ambookan Hose,Puzhayoram
Poyya P.O. (Via),Mala, Thrissur – 680 733

Mobile - 9349016035



Sri. Anwar Hashim
President
Sea Food Exporters Association
Abad Fisheries Pvt. Ltd.
AbadBuilding, Kochi-2

0484-2222500 Fax 0484- 2222333
Anwar1946@gmail.com

Sri. Rahul Krishnan B.F.Sc, (2010 batch)
KeralaUniversity of Fisheries and
Ocean Studies, Panangad.

SEVEN MEETINGS OF THE GOVERNING COUNCIL WERE HELD DURING 2015-16

Major Decisions of the Governing Council during 2015-16

Decision No.	Date GCMeeting	Decision
539/2015	07/04/2015	The Governing Council decided to fill 24 positions in the category of Assistant Professors, Associate Professors and Professors as per Notification (No.GA5/23339/14) published on 05/08/2014
546/2015	02/05/2015	The Governing Council decided to construct a Guest house at KUFOS main Campus with a Restaurant with the Tourism Dept.
554/2015	21/05/2015	The Governing Council decided to start various PG Courses in Marine Chemistry (M.Sc), Energy Management (MBA). Coastal and Harbour Engineering (M.Tech), Ocean Safety Engineering (M.Tech) and Statistics (M.Sc) during academic year 2015-16 and sectioned recruitment of five Academic Consultants for the courses.
578/2015	17/07/2015	The Governing Council decided to ratify the action taken in entrusting M/s BSNL with the work of construction of Gents Hostel at a total estimate of Rs.266.497 lakhs plus Service Tax
613/2015	18/09/2015	The Governing Council decided to setting up of Soul and Water Analysis Lab in the ground floor of the Academic Block and approved estimate of Rs 23,00,000/- for the same.
614/2015	18/09/2015	The Governing Council decided to construct Academic Block for KUFOS Phase V and execute the work through M/s Kerala State Coastal Area Development Corporation at the estimated amount of Rs.400 lakhs.
01/2016	06.02.2016	The Governing Council nominated Dr,Abraham Joseph, Professor and Head of Department of Chemistry , University of Calicut as the Nominee of University Governing Council for advising His Excellency the Governor and Hon'ble Chancellor of KUFOS for appointing Vice Chancellor of KUFOS.
632/2016	31/03/2016	The Governing Council approved the Revised Estimate of 2015-16 and Budget Estimate of 2016-17 with a Non-Plan Estimate for Rs.1,782.71 lakhs , Plan Estimate for 6.912.32 lakhs , EAP Estimate for Rs.295.72 and RIDF for Rs 4,412.32



Academic Council

The Academic Council shall have general control over the academic matters of the University and be responsible for the maintenance of standards of instruction, education and examinations within the University and shall exercise such other powers and perform such other functions as may be conferred or imposed upon it by the Statutes. The Academic Council consists of 24 members from various realms. The Govt. constituted the first Academic Council. The following are the academic council members. 11 meetings have been conducted so far.

ACADEMIC COUNCIL MEMBERS

	Name	Phone
The Vice Chancellor, Chairperson	Prof.(Dr.) B. Madhusoodana Kurup	0484 2703781 (Direct), (Res) 0484 2703944, 2700424Fax:-91 484 2700337
Director of Fisheries		0471-23031600471- 2304355(Fax)
Director of CMFRI		0484-2394798
Director of CIFT		0484-2666880
Director of CMLRE		0484-2427790
Director of NIO		0484-2390814
Director of School of Fisheries Resource Mgt. & Harvest Technology	Dr. K.V. Jayachandran,	09446493765
Director of School of Aquatic Food Products & Technology	Dr Sajan George	09847872261
Director of School of Mgt. &Entrepreneurship	Dr. M.S. Raju	0484-2700598(Extn)30
Director of School of Aquaculture & Biotechnology	Dr. S. Shyama,	949535031
Director of School of Fishery Environment	Sri. N.N. Raman	09447509484
Faculty member from Local Administration Centres/ Regional Centres	Dr. K. Dinesh Asst. Professor & Head, Fisheries Station,Puduvypu	9446032977
Post graduate students	Kum.Sandhya K.S. (M.F.Sc Student, 2011 Batch) Sri. Naukum Alpeshbhai Jadavbhai	



Research Council

The Research Council is responsible for formulating research policies, identifying thrust areas, advising possible funding agencies and monitoring and reporting the progress and quality of research to the Vice Chancellor from time to time. The Research Council shall meet at least once in six months. Research Council has not yet been constituted during the reporting period.

OFFICERS OF THE UNIVERSITY

As per Section 30 of KUFOS Act 5 of 2011, the following shall be the Officers of the University.

- i) The Chancellor
- ii) The Pro-Chancellor
- iii) The Vice Chancellor
- iv) The Pro Vice Chancellor
- v) The Deans
- vi) The Registrar
- vii) The Finance Officer
- viii) The University Engineer
- ix) The Librarian
- x) The Director of Research
- xi) The Director of Extension
- xii) The Controller of Examinations
- xiii) The Directors of Schools
- xiv) Heads of Departments

And such officers in service of the University as may be prescribed in the Statutes.

(Dean of Various Faculties) include photographs

Faculties

There are five Faculties established in the University. The Faculties shall be the principal academic co-ordination authorities of the University in respect of studies and research in the subjects included on the Faculty and also in respect of studies and research in multi-disciplinary faculties. KUFOS has five Faculties and each Faculty comprises of the Dean, the Chairpersons of all Boards of Studies comprised in the Faculty, one member of each Board of Studies to be elected by the members of Boards of studies from among themselves out of whom at least one shall be a Post Graduate teacher and two subject experts preferably from outside the State, nominated by the Vice-Chancellor. The Dean shall be the Chairman of the Faculty. Various faculties were constituted as per the university order No.GA6/2265/15 dated 01.12.2015



Dr. K. Gopakumar
Professor of Eminence
KUFOS, Former DDG,
ICAR



Prof. N.R. Menon,
Emeritus professor,
CUSAT



Prof. N. Chandrasekar
Professor,
MS University



Prof. Bhassi
CUSAT



Prof. Krishnan Kutty,
IITM



I Faculty of Fisheries

1. Dean - Dr.K.Gopakumar, DDG (Fisheries) Rtd., ICAR, Professor of Eminence, KUFOS

Chairperson of all Board of studies comprised in the faculty

1. Chairperson of Board of Studies of Dept. of Aquaculture and Biotechnology -Member
2. Chairperson of Board of Studies in Aquaculture Nutrition and Feed Technology - Member
3. Chairperson of Board of Studies in Aquatic Animal Health Management-Member
4. Chairperson of Board of Studies in Fisheries Resource Management -Member
5. Chairperson of Board of Studies in Fishery Hydrography - Member
6. Chairperson of Board of Studies in Preservation & Packing Technology - Member
7. Dr.Suresh Kumar, Professor, Fishery Hydrography, KUFOS (Board of Studies Nutrition and Feed Technology) - Member
8. Dr.Mohamed Hatha, Professor and Head, Dept. of Marine Biology, CUSAT (Board of Studies : Aquatic Animal Health Management) - Member
9. Dr.K.Madhu, Principal Scientist, CMFRI, Kochi (Board of Studies ; Aquaculture & Biotechnology) - Member
10. Dr.K.Mohankumar Prof. Dept.of Meterology, CUSAT, Kochi (Board of Studies: Fishery Hydrography) - Member
11. Dr.T.V. Sankar, Head of Division, CIFT, Kochi (Board of Studies; Preservation and Packing Technology) - Member
12. Dr.Shivananda Murthy, Professor and Head, Dept. of Aquaculture, College of Fisheries, Mangalore - Member

II Faculty of Ocean Science and Technology

1. Dean – Dr.N.Chandrasekhar, Professor & Head, Centre for Marine Geotechnology, Manonmaniam Sundaranar University, Thirunelveli, Tamil Nadu - Chairman

Chairperson of all Board of studies comprised in the faculty

1. Chairperson of Board of Studies in Applied Geo Science Member
2. Chairperson of Board of Studies in Biological Oceanography Member
3. Chairperson of Board of Studies in Physical Oceanography and Ocean Modeling –Member
4. Chairperson of Board of Studies in Food Science & Technology Member
5. Chairperson of Board of Studies in Marine Microbiology - Member
6. Chairperson of Board of Studies in Biotechnology and Bioinformatics - Member
7. Dr.M.R.Boopendranath, Principal Scientist (Rtd.), Central Institute of Fisheries Technology (CIFT), Kochi (Board of Studies Biological Oceanography) - Member
8. Dr.Kamalakashan, Kokkal, Joint Director, KSCSTE, Sasthra Bhavan (Board of Studies Geoscience) - Member
9. Dr.L.Harenduprakash, Director (Board of Studies in Physical Oeanography and Ocean Modeling)-Member
10. Dr.S.Girija, Director NIFPHATT, Kochi 17 (Board of Studies Food Science and Technology) - Member
11. Dr.K.V.Lalitha, Principal Scientist, CIFT, Kochi (Board of StudiesMarine Microbiology) - Member
12. Dr.C.Justin David, Academic Consultant, Dept.of Biotechnology and Bioinformatics, KUFOS (Board of Studies Biotechnology and Bioinformatics) - Member
13. Dr.Baban Ingole, Scientist F., NIO, Goa - Member



III Faculty of Ocean Engineering

1. Dean – Prof.(Dr.) Krishnan Kutty, Professor and Head, Dept. of Ocean Engineering, IIT, Chennai - Chairman

Chairperson of all Board of studies comprised in the faculty

1. Chairperson of Board of Studies of Remote Sensing Technology & GIS – Member
2. Prof.Sasikumar, Course Professor and Co-ordinator of PG Programme, K.M., School of Marine Engineering, CUSAT Cochin – 22 - Member
3. Prof.V.Sundar, Dept.of Ocean Engineering, IIT, Chennai - Member

IV Faculty of Climate Variability and Aquatic Ecosystem

1. Dean - Prof.N.R.Menon, Professor Emeritus, Dept. of Marine Biology, Microbiology and Biochemistry, CUSAT, Kochi -16 - Chairman

Chairperson of all Board of studies comprised in the faculty

1. Chairperson of Board of Studies in Coastal Zone Management - Member
2. Chairperson of Board of Studies in Disaster Management - Member
4. Dr.Ramesh, Director, National Centre for Sustainable Coastal Management, Koodal Building, Anna University, Chennai -25 - Member
5. Dr.K.V.Thomas, Scientist F & Head of Marine Science (Rtd.), National Centre for Earth Science Studies, Thiruvananthapuram - Member

V Faculty of Management, Humanities and Social Sciences

1. Dean - Dr.M.Bhassi, Director, School of Management Studies, CUSAT, Cochin -22 - Chairman

Chairperson of all Board of studies comprised in the faculty

1. Chairperson of Board of Studies in Economics & Statistics Member
2. Chairperson of Board of Studies in Legal Studies - Member
3. Chairperson of Board of Studies in Business Administration & Management - Member
4. Prof.K.R.Muraleedharan Nair, Former Dean, Faculty of Statistics, Cochin University of Science and Technology (Board of Studies ; Economic and Statistics) - Member
5. Dr.K.B.Balakrishnan, Associate Professor, NUALS, Kochi (Board of Studies ; Legal Studies) - Member
6. Prof. P. Sudarsanan Pillai, former Dean (CUSAT) (Board of Studies ; Business Administration and Management) - Member
7. Dr.P.T.Sreenivasan, Former Head, Dept. of Management Studies University of Madras - Member



DIRECTORS OF VARIOUS SCHOOLS

Sl.No.Name & Designation School

1.	Dr.S.Shyama, Professor Director (i/c),	School of Aquaculture & Biotechnology
2.	Dr.S.Suresh Kumar, Professor Director (i/c),	Ocean Science & Technology
3.	Dr.M.S.Raju, Professor Director,	School of Management and Entrepreneurship
4.	Sri.N.N.Raman, Associate Professor Director (i/c),	Fishery Environment
5.	Dr. K. Ranjeet, Associate Professor Director (i/c),	Fishery Resource Management and Harvest Technology
6.	Dr.M.K.Sajeevan, Associate Professor Director (i/c),	Director, Ocean Engineering and Underwater Technology
7.	Dr.K.Gopakumar, Prof. of Eminence Director (i/c),	Aquatic Food Products & Technology

1. Staff Details

a. Section wise details of

(i) Teaching staff (Regular, Academic Consultants, Professor of Eminence, Contract & Guest)

HEADS OF DEPARTMENTS

Sl.No. Name & Designation Department

1. Dr. S.Shyama, Professor School of Aquaculture & Biotechnology
2. Dr.Devika Pillai, Associate Professor Dept.of Aquatic Animal Health & Mgt.
3. Dr.M.K.Sajeevan, Associate Professor Dept.of Fisheries Resource Mgt.
4. Dr.V.K.Venkitaramani, Academic Consultant Dept.of Biological Oceanography and Biodiversity
5. Dr.V.K.Venkitaramani, Academic Consultant Dept.of Biotechnology
6. Dr.V.K.Venkitaramani, Academic Consultant Dept.of Coastal Zone Management
7. Dr.Prasada Rao, Academic Consultant. Dept.of Physical Oceanography and Ocean Modeling .
8. Dr.S.Rajendran, Academic Consultant.Dept.of Applied Geoscience
9. Dr.S.Rajendran, Academic Consultant.Dept.of Remote Sensing Tech.&GIS
10. Dr.S.Rajendran, Academic Consultant.Dept.of Disaster Mgt.
11. Dr.K.Gopakumar, Prof.of Eminence Dept.of Food Science & Technology
12. Dr.V.Ambilikumar, Associate Professor Dept.of Business Administration and Management



Regular Teachers working in various Departments

Sl. No.	Name & Designation	Discipline	School
1	Dr. M.S. Raju Prof. & Director of School	Fisheries Economics	Management Studies and Entrepreneurship
2	Dr. S. Shyama Professor	Aquaculture	School of Aquaculture and Biotechnology
3	Dr.V. Ambilikumar Professor	Business Management	Management Studies and Entrepreneurship
4	Dr.S. Suresh Kumar Professor	Biological Oceanography	Fisheries Resource Management and Harvest Technology
5	Dr. Devika Pillai, Associate Professor	Aquaculture	School of Aquaculture and Biotechnology
6	Dr.B. Manoj Kumar Associate Professor	Fishing Technology	Fisheries Resource Management and Harvest Technology
7	Sri.N.N. Raman Associate Professor	Marine Meteorology	Fisheries Resource Management and Harvest Technology
8	Dr. Daisy C. Kappan Associate Professor	Fishery Extension	Management Studies and Entrepreneurship
9	Sri.Mathew Sebastian Associate Professor	Statistics	Management Studies and Entrepreneurship
10	Smt. V. Malika Associate Professor	Statistics	Management Studies and Entrepreneurship
11	Smt. Alphy Korath Associate Professor	Fishery Statistic	Management Studies and Entrepreneurship
12	Dr. K. DineshAssoc. Professor	Aquaculture	Fisheries Resource Management and Harvest Technology
13	Dr. Ranjeet K. Associate Professor	Biological Oceanography	Fisheries Resource Management and Harvest Technology
14	Dr M. K. Sajeevan Associate Professor	Fishery Biology	Fisheries Resource Management and Harvest Technology
15	Dr. K.R.Salin Assistant Professor	Aquaculture	Fisheries Resource Management and Harvest Technology
16	Dr. Anu Gopinath Assistant Professor	Chemical Oceanography	Fisheries Resource Management and Harvest Technology
17	Smt. Safeena M.P. Assistant Professor	Microbiology	Aquatic Food Products and Technology
18	Dr. Blossom K.L. Assistant Professor	Food Science & Nutrition	Aquatic Food Products and Technology
19	Dr. Prabhakaran M.P. Assistant Professor	Fisheries Oceanography	Fisheries Resource Management and Harvest Technology



20	Dr. Chiranjiv Pradhan Assistant Professor	Fish Nutrition	School of Aquaculture and Biotechnology
21	Dr. Punnedath Preetham Assistant Professor	Biochemistry	Aquatic Food Products and Technology
22	Dr. S.M. Rafi Assistant Professor	Biological Oceanography	Fisheries Resource Management and Harvest Technology
23	Dr. K Jayalakshmi Assistant Professor	Fishery Biology	Fisheries Resource Management and Harvest Technology
24	Dr. Rajeev Raghavan Assistant Professor	Fish Taxonomy	Fisheries Resource Management and Harvest Technology
25	Dr. Linoy Libini Assistant Professor	Aquaculture	School of Aquaculture and Biotechnology
26	Dr. Abhilash Sasidharan Assistant Professor	Fish Processing	Aquatic Food Products and Technology
27	Dr. Binu Varghese Assistant Professor	Fish Breeding	School of Aquaculture and Biotechnology
28	Dr. Rejish Kumar Assistant Professor	Aquaculture	School of Aquaculture and Biotechnology
29	Dr. Swapna P. Antony Assistant Professor	Fish Pathology	School of Aquaculture and Biotechnology
30	Dr. Pramila S. Assistant Professor	Fishery Biology	Fisheries Resource Management and Harvest Technology
31	Dr. Anwar Ali P.H. Assistant Professor	Fishery Biology	Fisheries Resource Management and Harvest Technology
32	Dr. Mithun Sukumaran Assistant Professor	Aquaculture	School of Aquaculture and Biotechnology

Academic Consultants

Sl. No.	Name & Designation	Department	School
1	Dr. V.K. Venkataramani	Biological Oceanography	Ocean Science and Technology
2	Dr. G Sadasivan Nair	Maritime Law	School of Management and Entrepreneurship
3	Prof. S. Rajendran	Applied GeoScience	Ocean Science and Technology
4	Dr. C.V. K. Prasada Rao	Physical Oceanography	Ocean Science and Technology
5	Dr. Justin David	Biotechnology	Ocean Science and Technology
6	Dr. N. Rajendran	Microbiology	Ocean Science and Technology
7	Dr. Benny N. Peter	Coastal Zone Management	School of Ocean Engineering
8	P.T. Lakshmanan	Marine Chemistry	Ocean Science and Technology
9	Dr. K.V. Thomas	Disaster Management	School of Ocean Engineering



Professor of Eminence

Sl. No.	Name & Designation	Department School	
1	Dr. K. Gopakumar	Food Science & Technology	Ocean Science and Technology
2	Dr. K.S. Purushan	Pandit Karuppan Chair	School of Management and Entrepreneurship
3	Dr.D.D. Namboothiri	Food Science & Technology	Ocean Science and Technology

Teachers on contract basis

Sl. No.	Name & Designation	Discipline School	
1	Dr. Mariya T. Cheeran	Rural Management	Management Studies and Entrepreneurship
2	Dr.Sneha Susan Simon	Food Technology	Aquatic Food Products & Technology
3	Sri. Hamid Hussain. V	Fisheires	Fishery Environment
4	Dr.. Suresh P.R.	Economics	Management Studies and Entrepreneurship
5	Sri. Mahesh J	Geosciences	Ocean Science and Technology
6	Dr.Rachanamol S.	Microbiology	Ocean Science and Technology
7	Dr.Raghul Subin. S.	Microbiology	Ocean Science and Technology
8	Sri.Sarath Prasanth S.V.	Geosciences	Ocean Science and Technology
9	Arun Kumar V.S.	Ocean Engineering	Ocean Engg. & Technology
10	Sri.Sreenal Sreedhar	Remote Sensing	„
11	Smt. Ashamol V.		Management Studies and Entrepreneurship
12	Mary Jisha Francis	Physical Oceanography	Ocean Sciences and Technology
13	Sandhya Lekshmi	Aquaculture	Aquaculture and Biotechnology
14	Sri. George Joseph	Human Resource Management	Management Studies and Entrepreneurship
15	Sri. Rajeeve G.K.	Marketing Management	Management Studies and Entrepreneurship
16	Sri. Shajeera K.A.	General Management	„
17	Smt. Sanu Jacob	Agricultural Post Harvesting Technology	„

Guest Lecturers

1. Anju K. Joshi	8. Sri. Ankur Nagori	13. Dr. V.N. Sanjeevan
2. Praveen Kurian Thomas	9. Nellengol Kavitha	14. Sruthy Baby
3. George Basil	Karunakaran	15. Adv. Syam Kumar
4. Dr. K.M. Mathew, Professor (Rtd.)	10. Saranya P.	16. Adv. Smitha Chathanarambath
5. Sri. Sudhir	11. Renjith T.A.	17. Dr. V.S. Sebastian
6. Dr. Rachel Fernandez	12. Adv. Jayaprakash	18. Dr. Benjamin P.V.
7. Dr. Sanu Jacob		



(I) Non - teaching staff

Name & Designation

Section

GENERAL ADMINISTRATION

Smt. M.D. Kunjamma, Deputy Registrar
Sri.K.M. Mohammed Iqbal, Assistant Registrar
Sri. P.R.Sreekumar, Section Officer
Smt. Meera. T. M., Section Officer (FC& D)
Sri.Shaheer, Asst. Section Officer
Sri.Vijayshine. K. V, Asst. Section Officer
Sri.K.K. Faizal, Asst. Section Officer
Sri.Muhammed Shanar, Asst. Section Officer
Smt. Ajitha T.C, O.S. (Hr. Gr.)
Smt. Litty Fernandez, Sel. Gr. Computer Assistant

Administration

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Sr. T.M. Devassy, Asst. Section Officer
Sri. P.V. Asokan, Assistant Registrar
Sri. Raju Kurian. M, Asst. Section Officer
Smt. Vinu C.V., Asst. Section Officer
Dr. P.Sunilkumar, Asst. Section Officer

Fisheries Station, Puduveypu
Planning & Devt.

„

„

Smt. Piusa Felix, Assistant Registrar
Smt. Deepthi. V., Asst. Section Officer
Sri.Ajith Kumar K.L., Asst. Section Officer
Smt. Dhanya, Sr. Gr Computer Assistant

Academic

„

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Sri. C. Pradeep, Deputy Registrar
Sri.T.K. Deleep, Section Officer
Smt. Elizabeth Edward, Asst. Section Officer
Smt. Litty, Sel. Gr. Computer Assistant
Smt. Seema M.C., Sel. Gr. Computer Assistant

Finance

„

„

Smt. K.B. Jaya, Assistant Registrar & PS to Vice Chancellor
Smt. Priya M, Asst. Section Officer
Sri. A.V. Thomas, Sel. Gr. Computer Assistant

Office of Vice Chancellor

„

„



Sri. Vijayan Office Superintendent	Office of Pro Vice Chancellor
Sri. N.B. Sudheer, Section Officer & PA to Registrar	Office of Registrar
Smt. Thressiamma John, Office Superintendent	„
Smt. Tessy K. Thomas, Computer Programmer	„
Sri.Kunjumammed. V. S., Assistant Librarian	Library
Smt. P. V. Vijayalakshmi, Reference Assistant	„
Smt. Ramya Raveendran, Technical Assistant	„
Smt. Padma Narayanapillai, Farm Superintendent	Farm Staff
Sri. K.K. Reghuraj, Farm Manager Gr. I	„
Smt. Bindumol Abraham, Farm Officer Sel. Gr.	„
Sri.K.K. Sreekumar, Pump Operator	„
Sri. P. M Beneesh	Lab Assistant
Smt. P. S. Surya	„
Smt. Rajamma K.M.	„
Sri. K. Surendran, HDV Driver	Transportation Wing
Sri. N.C., Jose, LDV Driver	„
Sri. A.T. Gheevarghese, LDV Driver	„
Smt.Girijamma G., Matron Sel. Gr.	Hostel
Sri.K.J. Jose, Dupli. Machine Operator Sr.Gr.	Office
Sri.Lineesh K.R.	Office Attendant
Sri. Arun K.J.	„
Sri. Renjith.A.R.	„
Smt.Sindhu Devi (On deputation)	„

Publication & Public Relations Officer – Sri. K.V. Abdul Khadar

(i) Contract staff – External Aided Project / Plan Project

1. Sri. Rajeesh P.M.	Research Fellow
2. Smt. Mekha Bose	Tech. Assistant
3. Sri. Sanju K.	Research Fellow
4. Smt. Resmi M.R.	Field Assistant
5. Smt. Shiny Peter	„
6. Smt. Anju M.S.	„



7.	Smt. Salini N.S.	Field Assistant
8.	Smt. Henamol A.A.	„
9.	Smt. Hema A.A.	„
10.	Smt. Syamala V.K.	„
11.	Smt. Remya L. Sundar	Research Fellow
12.	Sri. S. Thiruvarasu	„
13.	Smt. Maneeja Murali	„
14.	Sri. Sreenath V.R.	Senior Research Fellow
15.	Smt. Divya V. Haridas	„
16.	Smt. Anu Remanan	Research Fellow
17.	Smt. Gilgi M.G.	Nursery Attendant
18.	Smt. Surya A.B.	SRF
19.	Smt. Sreeja P.V.	Field Assistant
20.	Sri. Vineeth kumar	„
21.	Smt. Gayathri P.V.	Project Scientist
22.	Smt. Fejila Agnes	SRF
23.	Smt. Sreeparvathy	SRF
24.	Sri. Sam Peter	SRF
25.	Sri. Vipin Das P.V.	SRF
26.	Sri. Silesh M.S.	SRF
27.	Sri. Viji V.	SRF
28.	Sri. Harish K.C.	SRF
29.	Sri. Akhil P.B.	SRF
30.	Smt. Divya A.S.	Tech. Asst.
31.	Smt. Rekha K.R.	Office Asst-cum-Accountant
32.	Smt. Geeji M.T.	SRF
33.	Smt. Sneha K.G.	SRF
34.	Sri. Rakesh C.G.	SRF
35.	Smt. Neenu Prakash	SRF
36.	Smt. Aswathy	SRF
37.	Dr. Elizabeth Carolin	Project Scientist
38.	Smt. Devi.	SRF
39.	Sri. Arjunan	SRF
40.	Sri. Renjith	SRF
41.	Sri. Hareesh V.N.	Fieldman (F)


Contract staff - Engineering Wing

Sl. No.	Name	Designation
1	Smt. Anija G.T.	Assistant Engineer (Civil)
2	Smt. Shiny M.V.	Overseer
3	Sri. Santhosh Kumar K.P	Electrician
4	Sri. Aneesh T.	„
5	Sri. Mohandas S.	Assistant Engineer (Elec.)
6	Kum. Anjana Anilkumar	Computer Engineer

(i) Daily wage staff

1	Sri. Babu Paul	Assistant, Academic
2	Smt. Reshma V.S.	„
3	Smt. Simi Sajeevkumar	„
4	Smt. Sunila M.	Assistant, Administration
5	Smt. Shamila P.H.	„
6	Smt. Sajila V.L.	„
7	Smt. Praveena A.P.	Assistant, Finance
8	Smt. Preetha V.N.	„
9	Smt. Sajila V.L.	„
10	Smt. Meharunnisa A.	„
11	Smt. Praveen C. Prasad	Assistant, Management Studies
12	Smt. Salini T.S.	Assistant, Processing Dept.
13	Smt. Bindhu P.P.	Assistant, SOST
14	Smt. Shabeera	Assistant, Directorate of Research
15	Smt. Sheela M.T.	Computer Assistant, Acad.
16	Smt. Sindhu K.S.	Class IV
17	Smt. Sreedevi Bijumon	„
18	Smt. Omana N.K.	„
19	Sri. Ramesh A.K	Driver cum Office Attended
20	Sri. Bijumon K.K.	„
21	Sri. Anoop G. Menon	„
22	Sri. Harikrishnan V.M.	„
23	Sri. Jayapalan K.P.	Bus Attendant
24	Smt. Swathylakshmi	Field Assistant, F.S.Puduveypu
25	Sri. Saneer N.S.	Field Assistant
26	Sri. Nazeer T.K.	Pump Operator
27	Sri. Sasidharan Pillai	Security Guard.r



SCHOOL OF MANAGEMENT AND ENTREPRENEURSHIP

The School of Management and Entrepreneurship one of the seven schools under the Kerala University of Fisheries and Ocean Studies (KUFOS) offers four unique Post-Graduate courses, Viz; M.B.A. (Master of Business Administration-General Stream) and M.B.A. (Energy Management), L.L.M (Maritime Law), M.Sc. (Statistics) and Ph.D. Programme in Management and Law. The School also offers various courses for the B.F.Sc., B.Tech., M.F.Sc., M.Sc. & M.Tech. Programmes offered by other Schools and Departments of the University.

Business Administration and Management

Students strength	MBA 2015 Batch	: 41
	MBA2016 Batch	: 14
	PhD	: 9

Plan for the current academic period	: M.B.A. (General Stream)
	: M.B.A. (Energy Management)
	: Ph.D. (Management)
	: Teaching, Research and Extension activities,
	Industrial Visits, Skill Development Programmes



Details of meeting conducted

Conference/Seminar/Workshop/Invited lectures organized

1. WAVES 2015

MBA Students organized a Management Fest “WAVES 2015”, on 30th October 2015. The Hon'ble Vice Chancellor Dr. B. Madhusoodana Kurup inaugurated the ceremony. One hundred participants from sixteen South Indian colleges attended the fest. There were four events namely, Best Manager(Gold Coast), Business Quiz(Zuima), HR Game (Super Tubes), Marketing Game (Lima). Cash award were provided for the first and second positions. SBT Vytilla Branch was the title sponsor of the event. Geojit BNP Paribas, MPEDA and Federal Bank were the co-sponsors. Dr. Suresh. P R, was the faculty co-ordinator. Ajisha. KV and Syam Raj, students of MBA 2014-16 batch were the student co-ordinators



1. A workshop was organised on 27th June 2015 for curriculum development of MBA Energy Management
2. Students were given a session on Transactional Analysis by Mr. Joby Cyriac, Assoc. Professor, Marian College, Kuttikkanam, on 28th July 2015.
3. Under Massive Open Online Courses (MOOCS), the department started to offer a course titled book keeping and accounting

Academic achievements of Faculty

1. Mr. George Joseph won the best paper award for his paper titled “Application of Project Management Principles to E-Commerce logistics “in PMI Waves 2015 conference conducted by PMI (Project Management Institute) India.
2. Dr. P R Suresh received Ph.D. in Economics from Cochin University of Science and Technology
3. Dr. George Joseph received Ph.D. in Management from Cochin University of Science and Technology



Academic achievement of Students

Capacity building of Staff and Students

1. INDUSTRIAL VISITS

2014 Batch Rural Management students organized a visit to Kudumbasree District Mission, and GCDA, Kochi. 2015 Batch organized three industrial visits to the following industries Kerala Feeds Ltd. Thrissur on 2-04-15, CIFT, Cochin on 23-04-15 and MILMA, Thripunithura on 30-06-2015



2. ENTREPRENEURSHIP DEVELOPMENT (ED) CLUB

Department initiated and launched Entrepreneurship Development (ED) Club “TESLA” on June 2015, for developing the business ideas and dreams of students. The club helps students develop their business ideas in areas of fisheries, agri business, food production, value addition, fish processing, marine drugs etc. The best ideas to be sent to the centre for advanced training in entrepreneurship development for transforming them into reality. Mr. Andrine Mendez, Founder – Salt Mango Tree inaugurated the club.





3. GREEN CAMPUS INITIATIVE

Department planted 150 tree saplings, in the campus as part of observing World Environment day on June 5, 2015



4. SEMINARS ATTENDED BY STUDENTS

- a) Attended an interaction session with Miss Maneesha Panicker, CEO of Silk Route Escape and Miss Anupama Sinha, CEO of Rays 3d Motion Print Pvt. Ltd. organized by CII Young Indians.
- b) Students and faculty attended a workshop on Marine Ecosystems and Climate Change in India organized by Kerala University of Fisheries and Ocean Studies and Nansen Environmental Research Centre on 30–31 of July, 2015 at Ramada Resort, Cochin. Students
- c) Students participated in a national seminar on GST Reforms: Implications for States, organized by K M Mani Centre for Budget Studies, CUSAT on 7th September 2015.
- d) **Mr. Sanu K S** secured first prize for adaptune competition in "Blue ocean 2015" Management Fest organized by Kerala Agricultural University Mannuthy, Thrissur on March, 2015





Conferences/ workshops attended by Dr. M.S. Raju, Professor & Director

1. Meeting at SIRD, Kottarkkara- Validation workshop on the study report submitted by the MG. University on MGNREGS on 23rd May 2015.
2. International Conference organized by KUFOS from 4th to 6th Feb. 2016, Radison Blue, Kochi.
3. India-EU Concluding workshop on Marine Ecosystems and Climate in India held on 30th and 31st July 2015 at Ramada Resort, Kochi.
4. World Ocean Science Congress 2015 held at Kochi from 5th to 8th February 2015. Presented paper.
5. International Conference on “Towards a Sustainable Blue Economy: Production, Strategies and Policies” held at Kochi during 4th to 6th February 2016.

Conferences/ workshops attended by Dr. V.Ambilikumar, Professor

6. Meeting at SIRD, Kottarkkara- Validation workshop on the study report submitted by the MG. University on MGNREGS on 23rd May 2015.
7. International Conference organized by KUFOS from 4th to 6th Feb. 2016
8. India-EU Concluding workshop on Marine Ecosystems and Climate in India held on 30th and 31st July 2015 at Ramada Resort, Kochi.
9. World Ocean Science Congress 2015 held at Kochi from 5th to 8th February 2015. Presented paper titled “Ocean Piracy – A Serious Social Concern”.
10. International Conference on “Towards a Sustainable Blue Economy: Production, Strategies and Policies” held at Kochi during 4th to 6th February 2016.
11. Interactive Seminar organized by the cochin Chapter of the Indian Science Congress Association on 28th and 29th March 2016. Presented a paper on the focal theme “ Science and Technology for Indigenous Development in India”.

Conferences/ workshops attended by Ms. Sandhya Lekshmi.P Asst. Professor

1. Sandhya Lekshmi.P, presented a paper titled “Real Estate Investment Trusts (REITs) in India: Time to Accept Challenges and Move Forward” in Berchmans National conference 2016, Berchmans Institute of Management Studies, SB College, Changanassery, 18-19 February 2016

Research achievements and publications of Staff and Students

1. Dr. M.S. Raju, Coordinator of the XII Plan Project “The Pandit Karuppan Chair”.
2. Dr. M.S. Raju, PI of the XII Plan Project “Centre for Survey and Appraisal of Socio-Economic Status of Fisherfolk of Kerala”.
3. Dr. M.S. Raju, PI of the XII Plan Project “Centre for Field Consultancy and Data Analysis”.
4. Dr. V.Ambilikumar was the coordinator of KUFOS aided project on “Performance of Primary Level Fishermen Development and Welfare Cooperative Societies in Kerala- an Evaluation”. The project was started on 18.01.2016 and completed on 31.3.2017

Publication of staff

1. Ambilikumar, V, Raju, M.S. and Sebastian, Mathew, The Impact of Mahatma Gandhi NREGS in the Economic Condition of Rural Population, International Journal of Research in Commerce,



Economics & Management, Vol.5, (2015), Issue No. 08 (August), ISSN 2231-4245, pp.35-39.

2. Ambilikumar, V, Raju, M.S. and Sebastian, Mathew, April- June, 2015, Implementation of Mahatma Gandhi NREGS: Administrative and Management Issues, International Journal of Business and Administration Research Review, (Vol.3, Issue.10), pp. 147-155.
3. Ambilikumar, V., Raju, M.S. and Sebastian, Mathew. Mahatma Gandhi NREGS: Towards Embracing Financial Inclusion, International Journal of Research in Commerce, Economics & Management, Vol.5, (2015), Issue No. 01 (January), ISSN 2231-4245, pp.1-4.
4. Purushan K.S. and Raju M.S., Indigenous Technical Knowledge - A boon to Traditional Fisheries Scenario. Kerala Calling Vol. 36 No.5, Govt. of Kerala, March 2016.
5. Lakshmi P. and M.S. Raju. Kerala Marine Fisheries Resources-Potential and Exploitation-An Economic Analysis. International J. of Business and Administration Research Review, Vol. 1, Issue 1, 2016. E-ISSN-2437-856X; ISSN-2348-0653. 20156.

Academic/Research/Extension activities of Faculty outside the University

Service as Expert in other Universities/ Institutions:

1. Dr. V.Ambilikumar, Professor conducted Viva Voce examination for MBA students of CONSPI Academy affiliated to CUSAT, during 23 & 24 July 2015
2. Dr. V.Ambilikumar was a resource person in Malayala Manorama on Coastal Protection held on 29th May 2015. It was published in the news paper

Meetings attended by faculty members outside the University

Dr. M.S. Raju, Professor & Director, SME, KUFOS Attended Indo – Mareclim Project meeting from 22 – 24, April 2015

Dr. V.Ambilikumar, Professor

1. Attended Academic Council Meeting of CUSAT held on 10.4.2015
2. Attended the Senate meeting of CUSAT held on 25.4.2015 and on 4.1.2016
3. Attended Indo – Mareclim Project meeting from 22 – 24, April 2015
4. Attended the Conselling held at New Delhi from 3-8, July 2015 for the Admission of M.F.Sc. students in KUFOS.
5. Attended B.F.Sc. Admission Counselling held at Thiruvananthapuram on 4th and 5th June 2015.

Placement Cell Bulletin

In 2012 Batch out of 25 students 18 students got placed in institutes such as Bharti Axa Life Insurance, Kinfra Trivandrum, Kinfra Trivandrum, Esaf Micro Finance Thrissur, Ajsan Bangalore, Hedge Equities, Kochi, Business-Sewage Treatment Plant (Project Contract), Kochi, Indel Automotive, Kochi, Muthoot Fincorp, Kochi, Bajaj Capital, Kochi, Sreechitra Institute Of Medical Sciences And Technolgy, Trivandrum, Fisheries Resource Management Intitute, Kochi etc.

In 2013 Batch 20 students got placed in institutes such as lifl, (India Infoline Finance Limited) Kochi, Smo Connect-Clinical Research Services Pvt.Limitedm, Kochi, Abad Fisheries, Kochi, Wipro, Kochi, Capithan Sea Food Products, Kollam, Tianjin Tianshi Pvt.Ltd, Kochi, Irinjalakuda Credit And Lease Limited, Thrissur, Muthoot, Thrissur.



ECONOMICS AND STATISTICS

Plan for the current academic period : M.Sc. (Statistics)

Teaching and Research activities.

Details of meetings conducted

1. The three faculties in Statistics were nominated as members to the Senate of KUFOS and they attended two meetings.
2. The 1st Board of Studies Meeting for M.Sc. (Statistics) was held on 21.12.2015.

Conference/Seminar/Workshop/Invited lectures

1. The faculty members attended the two-days training programme on “Managing self “ conducted by Central Board for Workers Education (CBWE) in March- April 2016.
2. Sri. Mathew Sebastian, Associate Professor participated in the International Workshop on “Marine Ecosystems and Climate in India” (INDO-MARECLIM) at Kochi on 30-31 July 2015.
3. Sri. Mathew Sebastian, Associate Professor presented paper entitled “ Rainfall Trend in Kerala” in the World Ocean Science Congress, Kochi.
4. Sri. Mathew Sebastian, Associate Professor attended the 11th Kerala Environmental Congress at Kottayam during 6-8 May 2015.
5. Sri. Mathew Sebastian, Associate Professor participated in the interactive seminar on “ Science and Technology for Indigenous Development in India” organized by Indian Science Congress Association (Cochin Chapter) on 28-29, March 2016.

Academic achievements of Faculty

Sri. Mathew Sebastian, Associate Professor served as Chairman of Post–Graduate Passing Board and PG Admission Help Desk of KUFOS, Convener/Member in various academic Committees, Special invitee for Board of Studies, M.Sc. (Statistics) and Statistical Officer, ICAR Nodal Cell of KUFOS.

Academic achievement of Students

Three students of M.Sc. (Statistics) attended the National workshop on “Official Statistics- Indian Context” organized by the Centre for Population Studies, Department of Statistics, Cochin University of Science & Technology on 20.10.2015.



Capacity building of Staff and Students

1. The faculty members handled classes in Statistics, Information Technology and Research Methodology to the students of various U.G., P.G. and Ph.D. programmes of KUFOS.
2. Research guidance and Statistical consultancy were provided to the students of M.Sc. (Statistics), M.F.Sc. and M.B.A. Programmes.
3. Sri. Mathew Sebastian, Associate Professor was nominated as Nodal Officer for NAARM-IFPRI Collaborative Research Project on “Implementing Agricultural Science & Technology Indicators (ASTI) Data Collection and Policy Analysis in India”.

Research achievements and Publications of Staff and Students

Research Projects

1. **Title of the Project:** Biology, Resource Characteristics and Stock Assessment of deep-sea fin fishes and prawns in the depth zone of 200m – 1200m along the southern and central Indian Ocean.

Period of Study : 2012-2017

Total Outlay : 78.06 Lakh

PI : Smt. Alphi Korath, Associate professor,

Co.PI. : Smt. Malika V., Associate Professor

2. Developed Statistical Models for forecasting of fish production using time series data.

Publications:

1. V.Ambilikumar, M.S.Raju and Mathew Sebastian (2015). The Impact of Mahatma Gandhi NREGS in the Economic condition of Rural Population. International Journal of Research in Commerce, Economics & Management. Vol.5(07): 7-11.
2. V.Ambilikumar, M.S.Raju and Mathew Sebastian (2015). Implementation of Mahatma Gandhi NREGS: Administrative and Management. International Journal of Business and Administration Research Review. Vol. 3(10): 147-155
3. V.Ambilikumar, M.S.Raju, Mathew Sebastian and Anusree, H. (2015). Mahatma Gandhi NREGS: Towards Embracing Financial Inclusion. International Journal of Research in Commerce, Economics & Management. Vol.5(01): 1-4.
4. Seena Augustine, P.A., Anna Mercy, T.V., Jayachandran, K.V. and Mathew Sebastian (2015). Length-weight relationship and condition factor of the ornamental cyprinid *Horadandia atukorali* from South India. World Ocean Science Congress. Book of Abstracts; pp.20 (Abstract No. WOSC/TS-I/FR/PP/(04)
5. In vitro propagation of an ornamental aquatic plant, *Anubas barteri* Var. *Nana petite*. Sheeja George, Aneykutty Joseph and Alphi Korath. INT J CURR SCI 2015, 18:E 1-12
1. Conservation of an endangered ornamental and medicinal aquatic plant, *Nymphoides macrosperma* Vasudevan through in vitro propagation. E. Sheeja George, Aneykutty Joseph, Alphi Korath. J. Bio. & Env. Sci. Vol.7(4) 96-107, 2015



Papers presented in International Conference 'Towards a Sustainable Blue Economy : Production, Strategies and Policies From 4-6th Feb .2016

1. Diet composition of Indian ruff (*Psenopsis cyanea* Alcock, 1890) from south-west coast of India. Alphi Korath., Sileesh M.S., Viji V., Harish K.C., and Alphi Korath
2. Spatial distribution and abundance of Deep-water brachyuran crab *Charybdis (goniohellenus) smithi* (Macleay, 1838) in the shelf –break area of south n-west Indian EEZ. Harish K.C., Sileesh M.S., Viji V., Alphi Korath and Aswathy M.S.
3. Distribution and Diet analysis of deep-sea spiny jaw green eye *Chlorophthalmus corniger* (Alcock, 1894) from the south-east Arabian Sea., Viji V., Sileesh M.S., Harish K.C., Aswathy M.S. and Alphi Korath
4. A study on distribution, abundance, length- weight relationship and food of Moontail bulls eye (*Priacanthus hamrur* Forskal, 1775) inhabiting in the continental slopes beyond 200m depth in the south-east Arabian sea during the research expeditions of FORV Sagar Sampada. Sileesh M.S., Harish K.C., Viji V., Aswathy M.S. and Alphi Korath

Paper presented in the 'Marine Biodiversity and Bioprospecting for sustainable Livelihood' National seminar 21-22 March 2016, Cochin, India

1. Diversity and community structure of Deep-sea Demersal Perciformes of South-East Arabian Sea. Sileesh M.S., Alphi Korath, Harish K.C., Viji V., and Aswathy M.S.

Academic/Research/Extension activities of Faculty outside the University

1. Smt. Alphi Korath, Assoc. Professor worked as Nodal officer, ICAR
2. Sri. Mathew Sebastian, Associate Professor handled a session as Resource Person in the workshop on Research Methodology at School of Management and Business Studies, Mahatma Gandhi University from 27.03.2015 to 01.04.2015.
3. Sri. Mathew Sebastian, Associate Professor was nominated as Co-Principal Investigator of the EAP “INDO-European Research Facilities for studies on Marine Ecosystem and Climate in India (MARECLIM) by the European Commission.

Meetings attended by faculty members outside the University

1. Sri. Mathew Sebastian, Associate Professor attended the counseling of U.G. students at ICAR, New Delhi from 17.06.2015 to 29.06.2015.
2. Sri. Mathew Sebastian, Associate Professor acted as Observer for AIPMT Re-test at JIPMER Campus, Puducherry on 24–25, July 2015.



LEGAL STUDIES

Courses Offered and Student strength	:	LLM (First year): 10
	:	LLM (Second year) : 10
Plan for the current academic period	:	LLM(Maritime Law
	:	Teaching and Research activities
		Visit to various maritime Centers
Details of meetings conducted	:	

1. Only school level meeting was held.

Conference/Seminar/Workshop/Invited lectures organized :

1. Invited Lecture by John Menezes on maritime Law
2. Invited Lecture by Andrew Boven Fciarb from UK



1. Invited Lecture by Mr. Nainan of F.C.I .P.Ltd
2. Some of our Students attended Marine International Summit held at Mumbai at the auspices of Central Govt

- 1 pro.(Dr) Sadasivan Nair Participated as Resource person in National seminar Conducted by CUSAT and Govt. law college.
- 2 pro.(Dr) Sadasivan Nair Participated as Resource person in National seminar Conducted by Govt Law College, Ernakulam



- 3 Presented a Paper On “Indian Fisheries Laws in the Wake of the United Nations Convention on the Law of the Sea” An international Seminar Organized by World ocean Science Congress &KUFOS on 5-8 February 2015
- 4 presented a paper on “Indian Law on Arrest of Ships for Security for Transnational Maritime Arbitration Claims” organized by School of Legal Studies CUSAT on February 2015
- 5 presented a paper on “Mergers and Acquisition: Reasons for the failure” UGC National seminar Organized by School of Legal Studies CUSAT on March 5-7 March 2015

Publications by Ashamol

- 1 “Legal frame work of initial public offering (ipo) grading in protection of investors” in *journal of international academic research for multidisciplinary* Impact Factor 2.417, ISSN: 2320-5083, Volume 3, Issue 9, October 2015
- 2 “Role of physical education in child development” in *journal of international academic research for multidisciplinary* Impact Factor 2.417, ISSN: 2320-5083, Volume 3, Issue 9, October 2015
- 3 “Socio-economic status and family influence on sports performance among university level women cricket players” in *journal of international academic research for multidisciplinary* Impact Factor 2.417, ISSN: 2320-5083, Volume 3, Issue 9, October 2015
- 4 “Socio-economic status and family influence on sports performance among university women basketball players” in *journal of international academic research for multidisciplinary* Impact Factor 2.417, ISSN: 2320-5083, Volume 3, Issue 9, October 2015
- 5 “Understanding corporate social responsibility with problems and perspectives” in *Journal of International Academic Research for Multidisciplinary (JIARM)* Impact factor 1.625, ISSN: 2320-5083, volume 3, Issue 8, September 2015
- 6 “Arrest of Ships in Arbitration Claims: An Analysis Of Indian Law” in *Journal of International Academic Research for Multidisciplinary (JIARM)* Impact Factor 1.625, ISSN: 2320-5083, Volume 3, Issue 7, August 2015
- 7 “Consumer Protection Through labeling Genetically Modified Foods” in *Journal of International Academic Research for Multidisciplinary (JIARM)* Impact Factor 1.625, ISSN: 2320-5083, Volume 3, Issue 6, July 2015
- 8 “Dowry Harassment and the Indian Penal Code: A Search For New Imperatives” in *Journal of International Academic Research for Multidisciplinary (JIARM)* Impact Factor 1.625, ISSN: 2320-5083, Volume 3, Issue 5, June 2015
- 9 “Impact of Globalisation on Legal education and access to Justice” in *Journal of International Academic Research for Multidisciplinary (JIARM)* May 2015 Impact Factor 1.625, ISSN: 2320-5083, Volume 3, Issue 4, May 2015
- 10 “An Analysis of insider trading and its Regulation ”in *Journal of International Academic Research for Multidisciplinary (JIARM)* April 2015 Issue at page 282-291



Academic achievement of Students:

1. MERIT SCHOLARSHIP

Capacity building of Staff and Students

1 Both Faculty and LLM students visited Cochin Port Trust and we had interaction and classes conducted by the port officers on legal and Technical aspects of port administration



Both Faculty and Students of LLM visited Cochin Coast Guard Office



Both Faculty and Students of LLM attended a class delivered by Marine police Kochi



2 Both Faculty and Students of LLM visited single Moor point where we have technical session on transshipment of oil from ship to the oil tanker of BPCL

3 Both Faculty and Students of LLM visited Warf at Cochin Ship yard

4 Some of our Students attended Marine International Summit held at Mumbai at the auspices of Central Govt

REPORT OF STUDENTS RECRUITMENT DEVELOPMENT PROGRAMME

Passed out students are practicing at Kerala High Courts and Various Subordinate Courts

Academic/Research/Extension activities of Faculty outside the University

1 Pro(Dr) Sadasivan Nair Adjunct Professor acted as Member of Board of Paper setters for UGC NET Examination

2 Pro(Dr) Sadasivan Nair, Adjunct Professor Acted as Question paper setter for UG and PG and Phd at CUSAT, Calicut and MG University

3 Ashamol V, Assistant Professor Acted as Question paper setter for UG at CUSAT Meetings attended by faculty members outside the University

1 Pro(Dr) Sadasivan Nair, Adjunct Professor participated in syllabus revision committee of one year LLM Programme at NUALS

2 Ashamol V Assistant Professor participated as a passing Board member at CUSAT



SCHOOL OF OCEAN SCIENCE AND TECHNOLOGY

Staff strength	Professor and Director i/c	: 1
	Professor of Eminence	: 1
	Academic Consultant	: 5
	Contract/Guest faculty	: 9

Student strength

	Programme	I Year.	II Year	Total
1	Marine Biology	18	20	38
2	Physical Oceanography	10	3	13
3	Food Science and Technology	20	20	40
4	Marine Microbiology	16	13	29
5	Biotechnology	6	6	12
6	Applied Geosciences	6	4	10
7	Marine Chemistry	12	0	12
8	Ph.D.	20	0	20
	TOTAL	108	66	174

Plan for the current academic period

- Available laboratories were equipped with sufficient numbers of instruments and other facilities.
- Softwares were purchased for physical oceanography department.
- To furnish and develop smart class rooms equipped with latest multimedia infrastructure.
- Students of Earth Science were provided with hands-on training in Geology and Geophysics.

Details of Departmental meeting conducted

Conference/Seminar/Workshop/Invited lectures organized

- An invited lecture on Kerala Granulite Terrain by Prof. C.G Nambiar, CUSAT.



Academic achievements of Faculty

- Dr. S. Rajendran participated and presented a paper, “An Integrated Geophysical Study over Some Parts of the Central Indian Ocean Deformed Zone” in the IIOE International Conference on Dynamics of the Indian Ocean, November 2015.
- Prof Rajendran, N. gave invited lecture on "Teaching and Research - an International Perspective" in the UGC-HRDC Orientation programme for teaching faculties working in Universities/Colleges for their up-gradation of knowledge/skills and technology in teaching and research held at University of Madras programme from 4th and 5th November 2015.

Academic Achievements of Students

- Meenu R. Krishnan, M.Sc. Applied Geosciences carried out her project work, “Gravity and Isostatic Moho beneath Himalaya-Tibet” in the Indian Institute of Geomagnetism, Navi Mumbai
- Amritha M Nair, Archana S and Chandini K.C. M.Sc. Applied Geosciences completed their project work “Granulometric Studies of a Sediment Core from Arabian Sea off Kochi, Kerala”. from Marine & Coastal Survey Division, Geological Survey of India, Kochi
- M.Sc. Applied Geoscience Semester III students had undergone a hand on training in Resistivity survey for Groundwater Investigation in the State Groundwater Department, Thrissur.
- All the students of 2015-17 batch attended the International Workshop on Marine Ecosystems and Climate in India jointly organized by Nansen Environmental Research Centre (India) (NERCI) and KUFOS on 30 and 31 July 2015.
- All the students of 2015-17 batch attended the Interactive Seminar on Science and Technology for indigenous development in India jointly organized by the Cochin Chapter of The Indian Science Congress Association on 28 and 29 March 2016.
- All the students of Marine Chemistry department (2015-17 batch) attended the International Workshop on Marine Ecosystems and Climate in India jointly organized by Nansen Environmental Research Centre (India) (NERCI) and KUFOS on 30 and 31 July 2015.
- All the students of Marine Chemistry department (2015-17 batch) batch attended the Interactive Seminar on Science and Technology for indigenous development in India jointly organized by the Cochin Chapter of The Indian Science Congress Association on 28 and 29 March 2016.



- M.Sc. Marine Microbiology and Marine Drugs students carried out two day field trip to Varkala and Azhikal for carrying out marine microbial sampling. Further analysis of the collected samples is continuing.
- M.Sc. Marine Microbiology and Marine Drugs students visited NIO, Cochin and carried out 3 days training programme on molecular taxonomy.
- Faculties and 2015 Batch M.Sc. Marine Microbiology and Marine Drugs students attended INDIA-EU CONCLUDING WORKSHOP ON MARINE ECOSYSTEMS AND CLIMATE IN INDIA held at RAMADA RESORT, KOCHI during 30th – 31st July 2015
- Faculties and M.Sc. Marine Microbiology and Marine Drugs students attended World Ocean Science Congress (WOSC) held at Kochi from 5th to 8th of February 2015.
- M.Sc. Marine Microbiology and Marine Drugs students attended World Fisheries Day held at Kerala University of Fisheries and Ocean Studies (KUFOS).
- Both First semester and Third Semester M.Sc Applied Geosciences students visited National Institute of Oceanography (NIO) and National Centre for Antarctic and Ocean Research (NCAOR) as part of their Educational Tour.
- M.Sc Applied Geosciences students visited Kerala Forest Research Institute (KFRAI), to know the working and data acquisition techniques procedure of seismograph, from the seismic observatory, Peechi, Thrissur.
- All the students of Marine Chemistry department attended the International Workshop on Marine Ecosystems and Climate in India jointly organized by Nansen Environmental Research Centre (India) (NERCI) and KUFOS on 30 and 31 July 2015.
- All the students of Marine Chemistry department attended the Interactive Seminar on Science and Technology for indigenous development in India jointly organized by the Cochin Chapter of The Indian Science Congress Association on 28 and 29 March 2016.



Research Achievement and Publications of M.Sc. Students

Marine Microbiology and Marine Drugs

1	Adarsh B M	OST-2014-26-01	Characterization of cold active xylanaseproducing <i>Pseudomonas grimontii</i> strain, isolated from Kongsfjorden, Arctic	National Centre for Antarctic and Ocean Research, Vaso-da-Gama, Goa.
2	AleenaRaju	OST-2014-26-02	17 β -Hydroxyazadiradione, a terpenoid from <i>Azadirachta indica</i> is potent antioxidant, evident from both cell free and cell based investigations.	National Institute for Interdisciplinary Science and Technology (CSIR-NIIST)
3	Amrutha V	OST-2014-26-03	Mass production, quality control and field application of phosphate solubilising bacteria as a biofertilizer	The fertilizers and chemicals Travancore Ltd., Eloor, Udyogamandal
4	Anju P Ajith Abhilash	OST-2014-26-04	Isolation and characterization of lipase producing bacterial strain (<i>Pseudomonas</i> sp.) from mangrove sediment in the velar estuary, Tamil Nadu.	Annamali University, Paragipettai – 608 502, Tamil Nadu
5	Priyanka P.	OST-2014-26-05	Characterization and evaluation of antimicrobial and antioxidant secondary metabolites from marine macro algae	Central Marine Fisheries Research Institute, Kochi
6	Ramya Krishnan K	OST-2014-26-06	Synthesis of silver nanoparticles from marine sea weeds and their antibacterial activity.	Kerala Forest Research Institute, Thrissur, Kerala
7	Ria Gupta	OST-2014-26-07	Potential role of microRNA -132 and microRNA-202 during follicle-luteal transition in buffalo (<i>Bubalus bubalis</i>)	CSIR-Centre for Cellular and Molecular Biology, Hyderabad, India
8	Sandeep V B	OST-2014-26-08	Isolation and characterization of protease producing bacteria, <i>Morganella morganii</i> from the gut of girdled horn shell, <i>Cerithidea cingulata</i> (Gmelin 1791)	Annamalai University, Paragipettai 608502, Tamil Nadu



9	Shweta Raj S	OST-2014-26-09	Amylase production by <i>Vibrio</i> spp. Isolated from seawater	CEPC Laboratory and Technical Division, Cashew Export Promotion Council of India, Kollam, Kerala
10	Varshak.C.	OST-2014-26-10	Endophytic fungi of marine sea weeds and its antibacterial and antagonistic activities	Kerala Forest Research Institute, Thrissur, Kerala
11	Clinicy Cleetus	OST-2014-26-11	Production of Rhizobium biofertilizer using barley as carbon source, its quality control and field application.	The Fertilizers and Chemicals Travancore Ltd., Eloor, Udyogamandal
12	Balaji N.C	OST-2014-26-12	Gut associated bacterial diversity in two commercially important marine fishes (<i>Photopictoralis bindus</i> , <i>Eubleekeria splendens</i>)	Annamalai University, Paragipettai – 608502, Tamil Nadu
13	Vinnath K.V.	OST-2014-26-13	Genetic variation of dominant bacterial species associated with mangrove sediment of velar estuary, Tamil Nadu	Annamalai University, Paragipettai – 608502, Tamil Nadu

PHYSICAL OCEANOGRAPHY

Name	Institute	Topic
1. George Victor Immanuel	National Institute of Oceanography, GOA	A study on Wave-Current interactions during Extreme weather events, using coupled ADCIRC + SWAN MODEL
2. Radhika S	National Institute of Oceanography, RC, Kochi	Tides and Currents off Kochi



BIOTECHNOLOGY AND BIOINFORMATICS

Name	Reg. No	Title of Dissertation	Institute
1 Abhananda M	OST20142801	Micropropagation and evaluation of nutraceutical properties of <i>Hylocereus undatus</i>	CMS college Kottayam
2 Arya K Asok	OST20142802	Structural characterization of transforming growth factor gene and detection of microsatellite from <i>Lutjanus</i> species	CMFRI Kochi
3 Nikhila Dev V	OST20142803	Invitro propagation and phyto pharmacological evaluation of <i>Justicia gendarussa</i> Linn. And <i>Indigofera tinctoria</i> Linn.	CMS College Kottayam
4 Rajapriya	ROST20142804	Isolation and characterization of bioactive pharmacophores from Molluscs	CMFRI Kochi
5 Surya K Asok	OST20142805	Cloning and expression of outer membrane protein (<i>OmpK</i>) of <i>Photobacterium damsela</i> subsp. <i>Damsela</i> : A vaccine candidate	CMFRI Kochi
6 Veena V.V	OST20142807	Isolation and characterization of small molecular weight compounds with antioxidant and antimicrobial properties from seaweeds	CMFRI Kochi

APPLIED EARTH SCIENCES

Name	Reg. No	Title of Dissertation	Institute
1 Amritha M Nair	OST-2014-22-01	Granulometric Studies of a Sediment Core from Arabian Sea off Kochi, Kerala	Marine & Coastal Survey Division, Geological Survey of India, Kochi
2 Archana S	OST-2014-22-02	Granulometric Studies of a Sediment Core from Arabian Sea off Kochi, Kerala	Marine & Coastal Survey Division, Geological Survey of India, Kochi



3 Chandini K.C	OST-2014-22-03	Granulometric Studies of a Sediment Core from Arabian Sea off Kochi, Kerala	Marine & Coastal Survey Division, Geological Survey of India, Kochi
4 Meenu R Krishnan	OST-2014-22-04	Gravity and Isostatic Moho beneath Himalaya-Tibet	Indian Institute of Geomagnetism, Navi Mumbai

FOOD SCIENCE AND TECHNOLOGY

Name	Reg. No	Title of Dissertation	Institute
1 Abhivarna K.R	OST-2014-24-01	Development of microbiologically safe food for immunocompromised patients	Food Technology Division, Bhabha Atomic Research Centre, Chembur, Mumbai, Maharashtra
2 Amitha Raj T.P	OST-2014-24-02	ACE inhibitory activity of hydrolysates from whole horse gram flour and its functional properties	Food Quality and & Nutrition Evaluation Division, Bhabha Atomic Research Centre, Chembur, Mumbai, Maharashtra
3 Ann mary C.Simon	OST-2014-24-03	A PCR based method for the detection of hidden porcine additives in processed meat products and its confirmation using capillary electrophoresis	SciGenom Labs Pvt. LTd., Kochi, Kerala
4 Anusha V	Ost-2014-24-04	Utilization of overripe discardable fruits of pineapple and banana for jam preparation	Pineapple Reserach Station, Kerala Agricultural University, Ernakulam, Kerala
5 Neeraja S	OST-2014-24-05	Development of ready-to-eat millet burfi from sorghum and pearl millet	Food Preservation and Sensory Science, Defence Food Research Laboratory, Mysuru, Karnataka
6 Neethusreekumar	OST-2014-24-06	Development of value added products from coconut milk	Kerala University Of Fisheries And Ocean Studies, Kochi
7 Noor Mohammed A	OST-2014-24-07	Value addition of Jamun (<i>Syzygium cumini</i> L.) fruit pulp residue for functional food applications	National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram, Kerala
8 Smrithi S.	OST-2014-24-08	Development of value added products from coconut haustorium	Kerala University Of Fisheries And Ocean Studies, Kochi



9 Soorya haridas	OST-2014-24-10	Development of choco quinoa nutri bar and its quality evaluation	Cereals and Pulses Technology Division, Defence Food Research Laboratory, Mysuru, Karnataka
10 Soumya S.	OST-2014-24-11	Studies on effects of natural antioxidants on quality attributes of mayonnaise	Defence Food Research Laboratory, Mysuru, Karnataka
11 Sruthi	OST-2014-24-12	Phyto-constituents and antioxidant studies of <i>Bennincasa hispida</i> (Thunb.) Cogn, and its value addition	Agroprocessing and Technoogy division, CSIR-National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram, Kerala
12 Sulfi Sulaiman	OST-2014-24-13	Microbial contamination associated with street foods and consumer awareness on food safety	Kerala University Of Fisheries And Ocean Studies, Kochi
13 Thasnem Rahamath V.A.	OST-2014-24-14	Identification of different meat species using PCR amplification based methods	AgriGenome Labs Pvt. Ltd., Kochi, Kerala
14 Vinitha Gopi	OST-2014-24-15	Survey on microbiological quality of fresh vegetables	Innovative Foods Ltd., Alappuzha, Kerala

Research achievements and publications of Staff and Ph.D Students

Details of Ph.D. Students

Name of the Ph.D Scholar with Aadhar number/Photo ID	Name of the Supervisor	Mode of Ph.D (Full Time/Part Time)	Registration Number	Research Topic
Ms. Anushma.K 987832015819	Dr.M.P. Prabhakaran	Full Time	OST-2014-51-01	Distribution, Taxonomy and Aquarium suitability of Sea Anemones South West Coast.
Ms. Fejila Agnes	Dr.B. Manojkumar	Full Time	OST-2014-51-02	Distribution and Abundance of Gelatinous Zooplankton from Cochin Backwaters.
Mr.Rakesh C.G	Dr.Devika Pillai	Full Time	OST-2014-51-07	Epidemiological study of Monodon slow growth syndrome and its Relation with culture Management, Soil and water quality in brackish water shrimp culture system.



Mr. Sileesh.M.S 8734 8997 0831	Dr.B.Madhusoodana Kurup	Full Time	OST-2014-51-04	Systematics distribution,Biology and Biochemical studies of demersal finfish family Gempylidae of South East Arabian Sea
Ms.Viji.V	Dr.B.Madhusoodana Kurup	Full Time	OST-2014-51-05	Taxonomy,Biology and Biochemical analysis of deep-Sea finish family Nomeida from the South East Arabian sea.
Ms.Rajeena K.B 4775 0298 8531	Dr.Devika Pillai	Full Time	OST-2014-51-06	Potential Use of Chitosan Nanoparticle For Induced Breeding of Indigenous Fish: Heteropneustes fossilis
Mr.Paul George 3265 5473 1629	Dr.Devika Pillai	Part Time	OST-2014-51-03	Evaluating the extend of Eostrogenic potential of commonly used antioxidant, Butylated Hydroxyanisole (BHA) in Anabas Testudineus
Mr.Sam Peter 524184915599	Dr.Devika Pillai	Full Time	OST-2014-51-08	DNA Barcoding of Gelatinous Zooplankton and a Comprehensive Phylogenetic Analysis of genus Sagitta (Phylum Chaetognatha)Based on Mitochondrial CO1 Sequence Data from Cochin Backwaters and Off Cohin
Ms. Sneha K.G	Dr.Devika Pillai	Full Time	OST-2014-51-09	Molecular Characterization of Multridrug Resistance Genes and Mechanism of transfer among Bacteria Associated with Freshwater and Brackish water Aquaculture Systems
Ms. Sreejisha P.S 908722759559	Dr.Devika Pillai	Full Time	OST-2014-51-10	Study on the preventive effects of phytochemicals from traditional medicinal plants against the target proteins in White Spot Syndrome Virus (WSSV)
Ms. Amitha Kurian 8833 1925 4896	Dr.E.P. Preetham	Full Time	OST-2015-52-01	An Investigation of the bioactivity of antitumour Pepetides in Spirulina Using zebrafish Embryo



Mr.Arjunan.V.M 9784 1167 8871	Dr. M.K. Sajeevan	Full Time	OST-2015-52-02	Broodstock development and Seed production of <i>Hypselobarbus jerdoni</i> (Day)
Ms. Chitra M.C 2519 7248 1103	Dr. M.K. Sajeevan	Full Time	OST-2015-52-03	Studies on Fishes of the Family Trichiuridae occurring in India with Special Reference To <i>Trichiurus Auriga</i> Klunzinger, 1884
Ms. Deepa.K.P 5947 8589 0489	Dr. Prabhakaran M.P	Full Time	OST-2015-52-04	Ichthyoplankton assemblages around the Lakshadweep Islands
Ms. Devi P.S	Dr. Prabhakaran M.P	Full Time	OST-2015-52-05	Use of Microalgae for Growth performance and innate response in ornamental fishes
Ms. Maria Paul Thottan	Dr.M.P Prabhakaran	Full Time	OST-2015-52-06	Ecological Partitioning of the Indian Oil Sardine in the Arabian Sea and the Bay of Bengal
Ms. Prasitha K.P 6534 6498 9283	Dr.E.P. Preetham	Full Time	OST-2015-52-07	Molecular and cellular characterization of Probiotics in modulating growth and metabolic functions of fishes
Ms. Rubeena K.A	Dr.E.P. Preetham	Full Time	OST-2015-52-08	Molecular Characterization of fish lectins and its role in antimicrobial defense
Ms. Salini Mohanan 8869 9655 0399	Dr.B. Manojkumar	Full Time	OST-2015-52-09	Comparative studies on the Biochemical Composition Growth and Population Dynamics of the Short neck clam, <i>pahia malabarica</i> from Ashtamudi Estuary and cochin back waters of southwest coast of India
Mr.Sibi T. Baby 8250 9091 4649	Dr.M.P. Prabhakaran	Full Time	OST-2015-52-10	study on the Diversity and Ecology of Echinoderms of Lakshadweep Arcipelago



Publications

1. Benny N. Peter, ShenbakavalliRanjan, MazlanHashim, MohdNadzri Reba, MohdRazali Mahmud. (2015). Mesoscale surface circulation and variability of Southern Indian Ocean derived by combining satellite altimetry and drifter observations. *Acta Oceanologica Sinica*, 34(9): 12–22, doi: 10.1007/s13131-015-0733-5 (ISI Journal).
2. David CJ. and G. Kumaresan. 2016. Preliminary investigations on heart regeneration in obese zebrafish. *Eur. J. Biomed. Pharm. Sci.* 3(8): 470-474.
3. David CJ and G. Kumaresan. 2016. Functional role of miRNAs in Lipid metabolism and Obesity. *Eur. J. Biomed. Phar Sci.* 3(8): 513-523.
4. David CJ. 2016c. High Cholesterol Diet (HCD) induces obesity in zebrafish. *Intl. J AdvSci&Engg.* 2(4): 188-192.
5. David CJ. 2016g. Reproductive performance and progeny testing of androgenetic clones of widow tetra, *Gymnocorymbusternnetzi* (Boulenger, 1895) generated using cryopreserved sperm. *Intl. J Fish. Aqua. Stud.* 4(4): 115-119.
6. T. Vaitheeswaran, S. Malathi, K. Prabakar, N. Neethiselvan, V.K. Venkataramani 2015 Age and growth of red toothed triggerfish *Odonus niger* (Ruppell, 1836) (Family : Balistidae) off Thoothukudi, Southeast coast of India (08° 16'E and 08°53.6'N 78°32'E)-(36M) *International Journal of Fisheries and Aquatic Studies* 2015;2(5):204-209.
7. T. Vaitheeswaran, N.Jayakumar and V.K.Venkataramani 2015 *A New Record of Sea Snail Cochlespira Travancorica Travancorica* (E.A.Smith, 1896) (Family:Cochlespiridae) (Mollusca: Gastropoda : Turridae) off Thoothukudi Coast of Gulf of Mannar, Southeast Coast of India (08° 16'E and 08°53.6'N 78°32'E) (310 M) *International Journal of Marine Sciences* 2015, Vol.5, No.44:1-3.
8. T. Vaitheeswaran, N.Jayakumar and V.K.Venkataramani 2015 A Record of Brown Paper Nautilus *Argonauta hians* Lightfoot, 1786 (Family: Argonautidae) (Lamarck, 1809) off Thoothukudi Coast of Gulf of Mannar from India (08° 35.22."N 78°27' 40.9"E and 08° 31'91.2" N 78° 25'32.7" E) *Ind. J. Veterinary & Animal Sciences* 43 (1) 40-43.
9. N.Jayakumar, V.K.Venkataramani, T. Vaitheeswaran and P.Jawahar 2016 Biodiversity and biology of ornamental wrasses (Family;Labridae) of Gulf of mannar,south east cost of India *J.mar.Biol.Ass India* Vol 58(2).July – December 2016.

Seminar Presentations

1. Mridula K. R, and Benny N. Peter (2016). Impact of climate modes on Bay of Bengal surface circulation and productivity. Proc. International Conference “Towards a sustainable blue economy production, strategies and policies” Cochin, India 4-6 February, 2016.
2. Benny N. Peter, MohdRazali Muhamad, K. R. Mridula (2015). Variability of Mindano Current and its interaction with Celebes Seas. ICEO and SI 2015, Koahsiung, Taiwan, 28-30 June.
3. Justin David C and T.J. Pandian (2016). Effects of maternal triploidy on earlyembryonic survival, development and identification of genetic markers in hybrid triploid *Hemigrammus caudovittatus*. Oral presentation in International Conference on “Towards Sustainable Blue Economy: production, Strategies and Policies” 4th – 6th February 2016. Kerala University of Fisheries and Ocean Studies, Kochi, Kerala.
4. Justin David C. Vimal P, Velmurugan G, Pandian TJ and G. Marimuthu (2016). Obesity alters circadian expression of CLOCK genes in zebrafish, *Danio rerio*. Oral Presentation in National Conference on



Recent Trends in Modern Biology & 47th Aqua-Terr Annual conference. 27th -28, February. Madurai Kamaraj University, Tamilnadu.

5. Justin David C. Selective expression of CLOCK Genes in hepatocytes of obese zebrafish. (2016). Oral Presentation -Abstract submitted in International Conference on "In-Stem Conference on Inflammation and Tissue Homeostasis held in Institute for Stem Cell Biology and Regenerative Medicine, National Centre for Biological Sciences, Bangalore, India. Feb 3-5 2016.
6. Justin David C. Invited lecture in the National Workshop on "Gene to Genomics: Celebrating 150 years of Mendelism" held in Department of Biotechnology, CMS college, Kottayam, Kerala. Jan 21-23 2016.
7. Justin David C and T.J. Pandian (2016). Genetic Screening of zebrafish: a novel tool for monitoring toxic effluents and urban storm water. Poster presentation/Abstract submitted in International Conference on "Towards Sustainable Blue Economy: production, Strategies and Policies" 4th – 6th February 2016. Kerala University of Fisheries and Ocean Studies, Kochi, Kerala.
8. Justin David C, Yedhu Mohan, Reshma Saajan, Kamal Krishnan and G. Marimuthu (2016). Effect of dietary lipids on circadian expression of selected clock genes in obese zebrafish. Poster presentation/Abstract submitted in International Conference on "Towards Sustainable Blue Economy: production, Strategies and Policies" 4th – 6th February 2016. Kerala University of Fisheries and Ocean Studies, Kochi, Kerala.
9. Justin David C, Yedhu Mohan, Reshma Sajan, Kamal Krishnan and G. Marimuthu (2016). Effect of dietary lipids on circadian expression of selected clock genes in obese zebrafish. Poster presentation/Abstract submitted in International Conference on "Towards Sustainable Blue Economy: production, Strategies and Policies" 4th – 6th February 2016. Kerala University of Fisheries and Ocean Studies, Kochi, Kerala.
10. Jinu John, Justin David C. and CT. Aravindkumar (2016). Bioprospecting of macrofungi for biocolours and pharmaceuticals. Poster presentation/Abstract submitted in International Conference on "Towards Sustainable Blue Economy: production, Strategies and Policies" 4th – 6th February 2016. Kerala University of Fisheries and Ocean Studies, Kochi, Kerala.
11. Smitha S, John Varghese, Justin David C. Shyama S and Jinu John (2016). Micropropagation of *Christiaspertillionis*: A promising medicinal. Poster presentation/Abstract submitted in International Conference on "Towards Sustainable Blue Economy: production, Strategies and Policies" 4th – 6th February 2016. Kerala University of Fisheries and Ocean Studies, Kochi, Kerala.
12. Effect of Dietary lipids on Circadian Expression of Selected Clock Genes in Obese Zebrafish Liver. C. Justin David, S. Ramasamy, M. Abhananda, Yedhu Mohan, Kamal Krishnan, A.B. Akhil and G. Marimuthu submitted to NGBT 2015 Conference in Hyderabad International Convention Center, Hyderabad, 1- 3 OCT, 2015.
13. Abundant and Differential Expression of novel small non-coding RNAs (sncRNAs) similar to germlinepiRNAs in cardiomyocytes. Ramasamy, S, Velmurugan, G, Justin D Clifton, Shanmugharajan, K, Rajapriya, R and Veena, V. submitted to NGBT 2015 International conference jointly organized by CCMB and Sci-Genome in Hyderabad International Convention Center, Hyderabad, 1- 3 OCT, 2015.
14. Molecular Signaling of Small non-coding RNAs during Cardiac Hypertrophy. S. Ramasamy, Justin D Clifton, V. Velmurugan, Shanmugha Rajan, R. Rajapriya, V. Veena, Gayathri Krishnan, Reshma Sajan and A.B. Akhil. submitted to NGBT, 2015 International conference jointly organized by CCMB and Sci-Genome in Hyderabad International Convention Center, Hyderabad, 1- 3 OCT, 2015.
15. Small RNA deep sequencing: Abundant and altered expression of PIWI-Interacting RNAs during in vivo and in vitro cardiac hypertrophy. RamasamySubbiah Justin D Clifton, K. Shanmugha Rajan, G. Velmurugan and S. Gopal Pandi. Submitted to NGBT 2015. International conference jointly organized by CCMB and Sci-Genome in Hyderabad International Convention Center, Hyderabad, India, 1- 3 OCT, 2015



Academic/Research/Extension activities of Faculty outside the University

1. Dr. Justin David attended International Conference on “In-Stem Conference on Inflammation and Tissue Homeostasis held in Institute for Stem Cell Biology and Regenerative Medicine, National Centre for Biological Sciences, Bangalore, Karnataka. Feb 3-5 2016.
2. Dr. Justin david Attended National Conference on Recent Trends in Modern Biology & 47th Aqua-Terr Annual conference. 27th -28, February. Madurai Kamaraj University, Tamilnadu.
3. Dr. V.K. Venkataramani served as Resource person and given series of lecturers and practicals on “Taxonomy of Fishes” during 24.09.2015 – 29.09.2015 at College of Fisheries, Muthukur, Andhra Pradesh. He also served as Resource person and given series of lecturers and practicals on 'Stock assessment of Fishes’ during 14.03.2016 – 19.03.2016 at College of Fisheries, Muthukur, Andhra Pradesh. Served as resource person and given a lecture on “Biodiversity of Marine Ornamental Fishes of Gulf of Mannar in the workshop on Biodiversity and Conservation of Aquatic Resources on 10-11-2016, TNFU.

Meetings attended by faculty members outside the University

1. Dr. Benny N. Peter, Academic Coordinator attended International Conference on “Earth Observations and Societal Impacts” at Kaohsiung, Taiwan, June 2015.
2. Dr. K. Gopakumar, Chairman, Research Advisory Committee of Central Institute of Fisheries Education, ICAR, Mumbai.
3. Dr. K. Gopakumar, member for Interview Board, agricultural Scientists Recruitment Board, ICAR, New Delhi for selection of various Scientists in fisheries discipline.
4. Dr. K. Gopakumar, Member of Advisory Board for Perma, Pharma Industries, New Delhi.
5. Dr. K. Gopakumar, participated in the workshop organized by Scigenome- Bangalore at Kochi in the consultancy of buffalo Semen separation, a top level international consultancy.

Placement Cell Bulletin

- Three postgraduates of M.Sc. Marine Microbiology and Marine Drugs are working in aquaculture firms and two postgraduates are working as quality control firms in Kerala.
- Mr. George Victor Immanuel, M.Sc. Physical Oceanography and Ocean Modeling, joined as Project Fellow at NIO, Goa.
- Three students of M.Sc. Biotechnology and Bioinformatics have joined the Biotech organization SciGenome in Kakkanad, Kochi and 2 students have joined in private organizations and one student each in Amalgam food division as senior purchase manager and as technician in DDRC research lab
- Ms. Ria Gupta qualified both ICAR NET 2017 and GATE 2017
- Mr. Adarsh joined for PhD in CUSAT, Kochi.
- Ms. Ria Gupta is working as JRF in IISER, Trivandrum.
- Two postgraduates of Marine Biology department joined Ph.D. in KUFOS.
- Four postgraduates of Marine Biology department are placed in NIO and other Institutions.



School of Ocean Engineering & Underwater technology

Staff strength:

Sl No	Name	Designation
1	Dr.SajeevanMK	Assoc . Prof.,Director(i/c)
2	Dr.K V Thomas	Adjunct Professor
3	Dr.Sivadas T K	Adjunct Professor
4	Dr.Benny N Peter	Adjunct Professor
5	Dr.Venkatramani	Adjunct Professor
6	Er.Pooja Prasenani	Asst.Prof (On Contract)
7	Dr.Rajendran.S	Adjunct Professor
8	Mr.Srinal Sridhar	Asst.Prof (On Contract)
9	Mr.Arun Kumar	Asst.Prof (On Contract)
10	Mr.George basil	Guest staff
11	Ms.Meeramol T.S	Guest staff

Student strength:

M Tech (CHE) :10
 M Tech (OCSE) :02
 MTech (FE) :02
 M Tech (ICZM) :03

Plan for the current academic period:

Three M-Tech Courses, **Coastal and Harbor engineering, Fisheries engineering and Ocean & Coastal Safety Engineering** were new courses started in this year.

The M.Tech Course in **Ocean and Coastal Safety engineering** proposes to impart knowledge on coastal and marine processes that lead to coastal and marine hazards and accidents. It aims to develop expertise in coastal and marine safety engineering for implementing measures to prevent coastal and marine accidents and manage mitigation measures through technological and social interventions. Skill development for technological interventions for the safety of fishery related activities, and management of coastal erosion and flooding also form part of the major objectives of the course.

The M.Tech, course in **Coastal and Harbour engineering** is expected to mould Coastal and Harbour Engineers with sufficient knowledge and expertise in the design of coastal structures, and port and harbours. It also provides the students with skills in the management of ports and harbours, and coastal erosion. Expertise in innovative methods for coastal engineering solutions for coastal erosion will also be acquired through the Course. The M.Tech, course will be based on a sound knowledge of the science of coastal and marine processes

M.Tech, course in **Fisheries engineering** is an emerging field in fishery sector; the candidate completing the M Tech course can also pursue their research in gear/ craft/ fishing equipment modification both for conservation of inshore fishes and exploitation of offshore fishes. Innovative technical guidance will be given for multinational companies for suitable manipulation of craft/gear fabrication and fishing equipments by undertaking the course offered in the M Tech programme.



Details of meetings conducted:

- Meeting conducted in May 20th, 2015 for final correction in syllabus of M Tech CHE, FE as board of studies meeting is scheduled in June 19, 2015. The Curriculum development committee for M Tech. CHE and M Tech. School of Ocean Engineering & Under Water Technology
- Expert committee meeting for finalizing on 23/6/15.
- Meeting on requirement of text books & setting up of the Marine Instrumentation laboratory for M-Tech with equipment details 23/7/16.

Using the Marine Instruments for the following task

1. Describe the operational principle of Automatic Sedimentation Analyser and estimate the percentage contents of different grain sizes in a given marine sample using the instrument.
2. Analyze the operational principle of Salinity Temperature Meter and evaluate the salinity stratification of Cochin harbour area, using ST meter, STD meter or Portable Ship-Borne data Logger.
3. Describe the working principle of the Tide Recorder and monitor the tidal variation of Cochin back waters using Tide Recorder.
4. Estimate the distance between the KUFOS and other locations, using GPS.
5. Estimate the accuracy and consistency of GPS and DGPS.
6. Describe the working principle and estimate the suspended silt in selected points of Cochin Port area and estimate the quantity of mud in suspension.
7. Describe the parts and operate the Ocean Current Meter at 2 or 3 points in port area and evaluate the data.
8. Describe the working principle and operate the Ship-borne Data Logger and acquire the 10-channel data of a particular area under investigation.
9. Take SST measurement using Sea Surface float embedded with temp sensor.

Budget Meeting & Calendar preparation

Meeting of the Research Committee of the School of Ocean Engineering and under water Technology Scheduled to be held on 25.05.2016. 11.00 am at KUFOS Conference Hall

Agenda:

- I. Course work for the registered students of the batch 2014-2015 and 2015-2016
 - a. Preparation of the syllabus
 - b. Arrangements of contact classes for course work
 - c. Constitution of the Doctoral Committee for the registered Research Fellows
 - d. Ph.D. Admission 2016-2017
 - e. Existing vacancies for the Ph.D. admission 2016-2017.
 - f. Fellowship for the registered fellows
 - g. Any other matter with the permission of the Chair

Conference/Seminar/Workshop/Invited lectures organized by the Department

- Guest lecture on the topic 'Main Challenges of Coastal Planning and Management' by Dr. K. V Thomas, Scientist(Retd.), National Center for Earth Science Studies, Trivandrum on 20-08-2015.
- Guest lecture on the topic 'Environmental Measurements & Control' by Dr. T.K Sivasdas, Principle Scientist(Retd.), CIFT, Kochi 15-10-2015.



- Guest lecture on the topic 'Mathematical Modeling of Ocean' by Dr. Benny. N. Peter, Academic co-ordinator, KUFOS, Kochi 18-12-2015.
- Guest lecture on the topic 'Oceanographic Instruments for Marine Sciences' by Dr. T.K Sivadas, Principle Scientist(Retd.), CIFT, Kochi 28-01-2016.

Academic achievements of Faculty:-

- Dr T K Sivadas working as expert member of IDRB (Irrigation design research board, Govt. of Kerala).
- Ms. Pooja prasanen Registered for Ph.D at KUFOS Research Center, SNGCE, Kollencherry, Kochi.

Academic achievement of Students

- Mr. Paul T, Mr. Athul Krishana attended the training programme in PADI.com, Digital Underwater water photography.

Research achievements and publications of Staff and Students:-

- Noujas V., K.V. Thomas, K.O. Badarees, 2016. Shoreline management plan for a mudbank dominated coast. Ocean Engineering 112 (2016) 47–65.
- Noujas V and Thomas K V, 2015. Erosion hotspots along southwest coast of India, Aquatic Procedia 4 (2015) 548 – 555

Academic/Research/Extension activities of Faculty outside the University

- Ms. Jaini Sara Babu is a PhD student of School of Ocean Engineering & Underwater Technology joined on march 2016 and doing course work in Nansen Environmental Research centre, India (NERCI), one of the research centre of KUFOS with the title "Monitoring and forecasting of coastal circulation using Remote Sensing and Hydrodynamic Modelling".
- Mr. Pramod K B is a PhD student of School of Ocean Engineering & Underwater Technology joined on march 2016 and doing course work in SNGCE, Kollencherry one of the research centre of KUFOS with the Title: A Study on Proactive Approach of Identification and Treatment of Marine Fouling of Ships Using Underwater Vehicles
- M Tech ICZM students visited INCOIS, Hyderabad on May 2016.



Utilization of fund for the current month (cumulative details)

Sanctioned amount for the school: 62.98L

Utilization from the school: 11.06L



School of Aquaculture and Biotechnology

Dr. Chiranjiv Pradhan, Asst. Professor

Research achievements and publications of Staff and Students

Research Papers (2015-2016)

- Sarkar, S., Mohanty, S.N., Nayak, K.C., **Pradhan, C.**, Mohanta, K.N., Devraj, C. (2015). Protein requirement of IR-Jayanti (*Labeo rohita*) fingerlings. *International Journal of Fisheries and Aquatic studies*. 3(2): 324-330
- Das, K.C., Toppo, S., Mohanty, T., **Pradhan, C.**, Mohanta, K.N., Giri, S.S. (2016). Cost effective floating feeds for Indian Major Carps (IMC) by replacement soyabean meal with alternative feed ingredients. *Indian Journal of Animal Research*. 50 (4): 526-528.

Attended several national and international seminars/conferences and published abstracts

- ◆ Fernandez, R, Shyama, S., **Pradhan, C.**, Libini C. L., (2016). Facilitated seed production of Pearl Spot in earthen pond-A livelihood option. 26th Swadeshi Science Congress. November, 4-6, Kerala, India. pp. 152-153
- ◆ **Pradhan, C.**, Sreenath, V.R., Fernandez, R, Shyama, S. (2016). Feed ingredients in Kerala and the future perspectives of aquafeeds. *Towards a sustainable blue economy: Production, Strategies and Policies*, February, 4-6, Kerala, India. International pp. 50
- ◆ Sreenath, V.R., **Pradhan, C.**, Shyama, S., (2016). Thicken rice soup as an innovative medium for the mass culture of live feed, *Panagrellus redivivus*. International conference on “Towards a sustainable blue economy”: *Production, Strategies and Policies*, February, 4-6, Kerala, India. pp.55
- ◆ Fernandez, R., **Pradhan, C.**, Shyama, S. (2016). Cage culture of pearl spot in the open water bodies of Kerala for a sustainable livelihood. International conference on *Towards a sustainable blue economy: Production, Strategies and Policies*, February, 4-6, Kerala, India, pp.54

Participation in seminars/conferences

- ◆ Participated in a seminar on “Science and Technology for indigenous development in India, cochin chapter on 28th and 29th March, 2016, organized by the Indian Science Congress Association, Govt. India

Article in training manual

- ◆ Pradhan, C. (2016). Broodstock nutrition of teleosts. *Brainstorming workshop on Recent Advancements in Breeding and Seed Production of Native Freshwater Fishes of India*, February 8-9, Kerala University of Fisheries and Ocean Studies, Panangad, Kochi, India, pp. 70-75



Professional Development

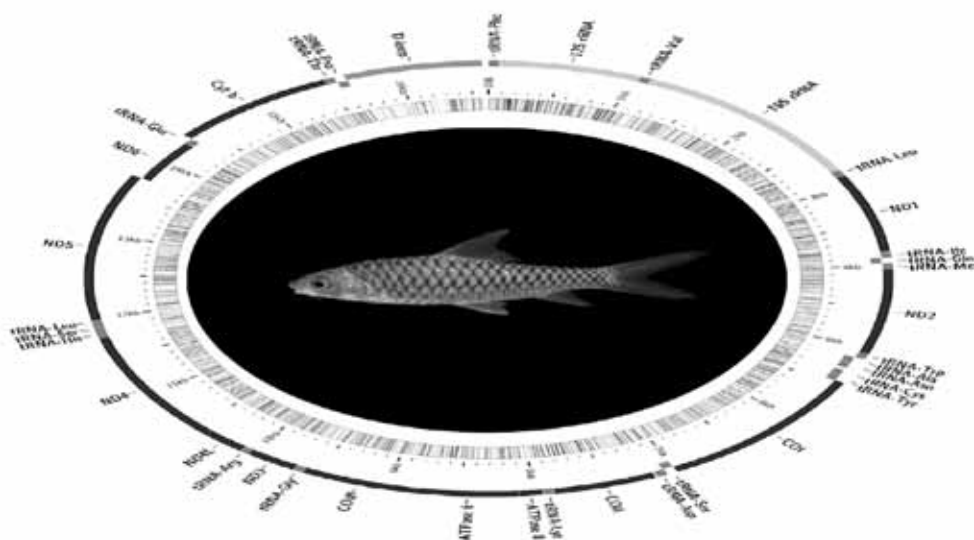
Date	Training	Awarding Institute
8-12 NOV 2015	Feed and Feed Technologies for responsible Aquaculture	Central Institute of Freshwater Aquaculture, Bhubaneswar, India

- ◆ Conducted training programme as organizing committee member on “Prospects of *Litopenaeus vannamei* culture in Kerala for farmers, 2015
- ◆ Conducted international conference on Blue economy and worked as member in the abstract committee, 2016
- ◆ Conducted field visits to enhance the knowledge of farmers for aquaculture activity in the region, 2015
- ◆ Conducted training programme as an organizing committee member on “Ornamental Fish Nutrition and Feed Management, 23rd November, 2016.
- ◆ Conducted international seminar as an organizing committee member on “Recent advances in best management practices of aquaculture” 25th November, 2017.

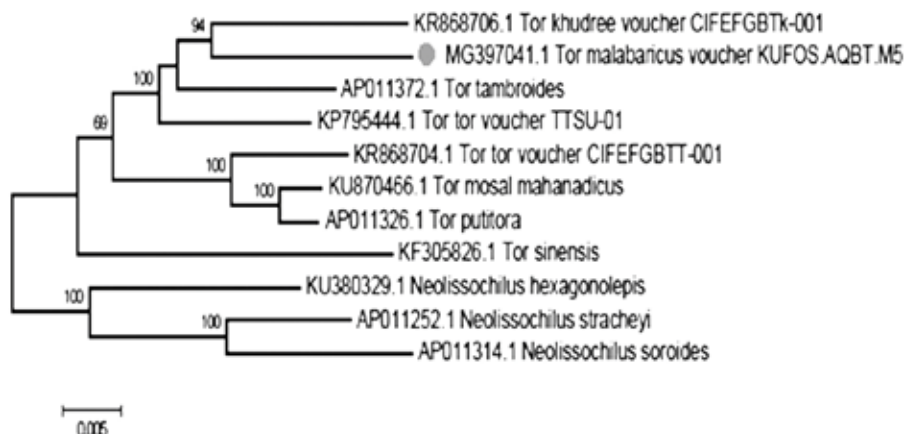
Dr. Rejish Kumar V.J Asst. Professor

• Whole mitochondrial DNA sequence analysis of endemic fishes of Kerala.:

The mitochondrial genome has many properties that make it useful for reconstructing recent phylogenetic history. We have completed the sequencing of whole mitochondrial genome of fishes, which are endemic to Kerala, This includes *Channa diplogramma*, *Clarias dussumieri*, *Hemibarbus nigricollis*, *Cavinitetraodon travancoricus* and *Tor malabaricus*.



Organization of *Tor malabaricus* mitogenome. Protein coding genes, tRNAs, rRNAs and non coding regions are shown in different colours. Genes located within the outer circle are coded on the H-strand whereas the remaining genes are coded on the L-strand



Phylogenetic analysis of Mahseer species based on the maximum likelihood (ML) method of the 13 mitochondrial protein coding genes. The values at the nodes correspond to ML bootstrap support in percentages.

Events organised

1. Training programme as organizing committee member on “Prospects of *Litopenaeus vannamei* culture in Kerala for farmers, 2015

Dr. Shyama.S, Professor

Events participated in :

1. Seminar on “Aquaculture in Kerala-Trends and Opportunities” , Kerala University of Fisheries and Ocean Studies, Kochi, Kerala, on the 12th July, 2016
2. Seminar on “Science and Technology for indigenous development in India, Cochin Chapter on 28th and 29th March, 2016, organized by the Indian Science Congress Association, at KUFOS
3. Outreach program on “Facilitating Innovation and patent filing” , Kerala University of Fisheries and Ocean Studies, Cochin on December 7, 2016

Events organised

1. Training programme as organizing committee member on “Prospects of *Litopenaeus vannamei* culture in Kerala for farmers, 2015
2. Seminar on Aquaculture in Kerala-Trends and Opportunities, 12 July 2016
3. Training programme on “Ornamental Fish Nutrition and Feed Management, 23rd November, 2016.



KUFOS Academic Work Report 2015-2016

Academic Calendar of various PG and UG programmes was prepared and the same is furnished below.

POST GRADUATE PROGRAMMES

	I Sem 2015 Admn	II Sem 2015 Admn	III Sem 2015 Admn	IV Sem 2015 Admn
1 Reopening/commencement of classes	15.07.2015	27.01.2016	25.07.2016	02.02.2017
2 Last date of registration for the course (without fine)	21.07.2015	05.02.2016	03.08.2016	10.02.2017
3 Last date of registration for the course (with fine)	27.07.2015	12.02.2016	08.08.2016	21.02.2017
4 Last date of receipt of proposals for examination from Depts/ Schools along with syllabus, model QP, panel of setters/examiners with address, phone no., e-mail address and proposed time table without any change in the date of commencement of examination	17.08.2015	27.02.2016	25.08.2016	02.03.2017
5 Date and time of exam notification	01.09.2015	07.03.2016	26.09.2016	21.04.2017
6 Last date of receipt of filled up applications, forwarded by HOD	30.09.2015	21.03.2016	03.10.2016	21.05.2017
7 Submission of attendance statement and continuous evaluation marks	01.01.2016	02.07.2016	12.01.2017	30.06.2017
8 Issue of nominal roll and hall tickets	01.01.2016	02.07.2016	13.01.2017	01.07.2017
9 Commencement of exams/ submission of dissertation	05.01.2016	06.07.2016	17.01.2017	04.07.2017
10 End of the semester	20.01.2016	19.07.2016	31.01.2017	24.07.2017
11 Tentative date of publication of results	28.02.2016	31.08.2016	31.03.2017	24.09.2017



BFSc. Programme

Sl.No	Events	2015 Batch Semester III	2015 Batch Semester IV	2015 Batch Semester V	2015 Batch Semester VI	2015 Batch Semester VII	2015 Batch Semester VIII
1	Reopening/commencement of classes	01.12.2016	01.04.2017	07.09.2017	14.02.2018	25.07.2018	11.01.2019
2	Last date of registration for the course (without fine)	08.12.2016	07.04.2017	14.09.2017	21.02.2018	31.07.2018	18.01.2019
3	Last date of registration for the course (with fine)	15.12.2016	17.04.2017	21.09.2017	28.02.2018	07.08.2018	25.01.2019
4	Last date of receipt of proposals for examination from Depts/ Schools along with syllabus, model QP, panel of setters/examiners with address, phone no., e-mail address and proposed time table without any change in the date of commencement of examination	28.12.2016	29.04.2017	15.10.2017	30.03.2018	31.08.2018	31.12.2018
5	Date and time of exam notification	01.01.2017	05.05.2017	20.10.2017	02.04.2018	01.09.2018	01.01.2019
6	Last date of receipt of filled up applications	18.01.2017	31.05.2017	08.11.2017	30.04.2018	29.09.2018	31.01.2019
	Commencement of Mid-term Examinations (Tentative)	25.01.2017	03.07.2017	07.12.2017	16.04.2018	---	---
7	Commencement of Practical Examinations (Tentative)	01.03.2017	05.08.2017	15.01.2018	18.06.2018	---	---
	Submission of attendance statement and continuous evaluation marks	16.03.2017	18.08.2017	24.01.2018	02.07.2018	21.12.2018	06.05.2019
8	Issue of nominal roll and hall tickets	17.03.2017	19.08.2017	25.01.2018	03.07.2018	22.12.2018	07.05.2019
9	Commencement of exams/ submission of dissertation	18.03.2017	21.08.2017	27.01.2018	04.07.2018	24.12.2018	08.05.2019
10	End of semester	31.03.2017	01.09.2017	12.02.2018	23.07.2018	10.01.2019	30.05.2019
11	Tentative date of publication of results	30.04.2017	30.09.2017	30.03.2018	31.08.2018	10.03.2019	24.05.2019

CONVOCATION

The second convocation ceremony of KUFOS was held on 26.02.2016 at KUFOS Headquarters. A total number of 224 candidates were conferred degree during the ceremony.

The course wise split up of the number of students conferred degree during the convocation ceremony is as follows.





Sl.No.	Name of the Course	Number of students
	Ph.D. (Faculty of Fisheries)	2
1	B.FSc.	94
6	M.FSc. (Fish Nutrition and Feed Technology)	3
7	M.FSc. (Aquatic Animal Health Management)	2
8	M.FSc. (Fisheries Resource Management)	2
9	M.FSc. (Aquatic Environment Management)	1
11	M.FSc. (Fish Processing Technology)	5
12	M.FSc. (Aquaculture)	4
15	M.Sc.(Physical Oceanography and Ocean Modelling)	5
18	M.Sc., (Biological Oceanography and Biodiversity)	36
21	2014 Batch M.Sc. (Applied Geo Sciences)	4
22	2014 Batch M.Sc. (Food Science & Technology)	14
25	2014 Batch M.Sc. (Remote Sensing & GIS)	2
26	M.Tech. (Integrated Coastal Zone Management)	4
28	M.B.A.	43
32	2014 Batch LL.M (Maritime Law)	3
GRAND TOTAL		224



Directorate of Extension

Directorate of extension established under the Kerala University of Fisheries and Ocean Studies (KUFOS) promotes the development of fisheries sector by way of providing necessary information, imparting training and other extension support continuously to the fisher folk and fish farmers. In addition to the dissemination of innovations in the field of aquaculture and allied fields it also helps to identify the problems of the farmers and offer solutions at the right time. The field level trainings, demonstrations and awareness camps organizing at various centers will help the farmers to increase their level of knowledge, developing skill and changing their attitude which in turn contributes improvement in their quality of life. The Directorate of extension has projects and programmes aimed at empowerment of women through income generating activities by way of providing self employment and motivating them in taking up gainful employment, thus ensuring gender equality in all aspects of life. In addition to these, the scientists working in the various departments of the Faculty of Fisheries acts as resource persons for various training programmes organized by State and Central Govt. institutions, NGOs etc., providing Radio talks, publishing popular articles as part of the transfer of technology process.

Projects implemented by Directorate of Extension is implementing the following projects

1. Village adoption for empowerment and capacity building ensuring livelihood of fisherfolk in central Kerala.
2. Farm Advisory Services for Fisheries
3. Fisheries Technical and Portal Unit
4. Establishment of Farm Radio Station for hastening fisheries development in the State.
5. Earn While you learn
6. Exhibition Unit with minibus for Field consultancy/ lab to land service
7. Center for field consultancy and Data analysis
8. Maintenance of Museum
9. Modernization and Upgradation of Instructional field training facility
10. Cage culture at RMP canal
11. Model Fish processing plant and training center

No. of Exhibitions conducted/ participated during the year 2015-16 (10 nos.)

Exhibition-professional course guidance seminar organized by Mathrubhumi printing and Publishing company at TDM hall, Kochi	30/5/15
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International workshop on marine ecosystems and climate change in India

30/7/15 to 31/7/15

Exhibitions organized by KUFOS as part of the two day training programme on "Prospects of Litopenaeus vannamei culture in Kerala"	20/8/15 to 21/8/15
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Exhibition "Onakazcha-2015" organized by Maradu Municipality

23/8/15 to 27/8/15



Exhibition organized by KSIDC “WE summit-2015”

19/11/15

Exhibition organized by CMFRI, AFS, and ICAR at Radisson Blue, Kochi “5th International Symposium on Cage Aquaculture in Asia CAA5”

25/11/15 to 28/11/15

19th Kochi International Book Festival organized by Antharashtra Pusthakotsava Samithy

4/12/15 to 13/12/15

Exhibition “VAGRA 2K15” conducted by Mar Athanasius College, as part of their Diamond Jubilee celebrations at Kothamangalam

26/12/2015 to 3/1/2016

International conference on Towards a Sustainable Blue Economy : Production, Strategies and Policies jointly organized by KUFOS, and Nansen Research Centre, India during 4 to 6, February 2016

4/2/2016 to 6/2/2016

Panchayath day celebrations, Adlux convention, Ankamali

19/2/16 to 20/2/2016



Exhibition stall set up at Radisson Blue during “5th International Symposium on Cage Aquaculture in Asia CAA5”-2015

Exhibition stall set up during “Onakazcha-2015” organized by Maradu Municipality

Seminars/workshop/Symposia organized

1. One-day workshop on Edible Fish Cultivation in association Malayala Manorama on 25/4/2015 at Layam ground, Tripunithura
2. Anti-Tobacco campaign organized on June 2nd 2015 to make aware of the people on the negative impact of tobacco under the Pandit Karuppan Chair
3. Two day training on “Prospects of Litopenaeus Vannamei culture in Kerala” on 20th and 21st August 2015 at KUFOS, Panangad
4. Pandit Karuppan Chair- World Fisheries Day was celebrated in a befitting manner on 20th and 21st November 2015 by conducting a rally, training programme, open house, exhibition and quiz competition for VHSE students
5. Training programme on “Managing Self” organized by the Central Board for workers Education from 22nd to 23rd March 2016 for the teachers and staff of KUFOS



Participation in seminars/symposia/workshop etc.

Dr.Daisy.C.Kappen

1. Participated in the India-EU concluding workshop on Marine Ecosystems and Climate in India jointly organized by Nansen Environmental Research Center(India) (NERCI) and Kerala University of Fisheries and Ocean studies on 30 and 31 July 2015.
2. Participated in the 5th International symposium on Cage Aquaculture in Asia (CAA5) from 25-28 November 2015, Kochi
3. Participated in the training course on “Gender Analysis & Mainstreaming in Agriculture” during 02/1/2016 to 22/1/2016(21 days) at the Division of Agricultural extension, ICAR-IARI, New Delhi.
4. International conference on Towards a Sustainable Blue Economy : Production, Strategies and Policies jointly organized by KUFOS, and Nansen Research Centre, India during 4 to 6, February 2016
5. Participated in the interactive seminar on “Science and Technology for Indigenous Development in India” organized by the Indian Science Congress association cochin chapter on 28th and 29th March 2016.

TV programmes telecasted

1. TV programmes–TV programme on “cage aquaculture” telecasted on 1/11/2015 at 10.pm and retecasted on 7/11/2015 at 7.30 am in the surya TV programme “Varthakkappuram”
2. TV programme telecasted by the Delhi Doordarshan National Kissan channel in the programme “Kheth Khalian” on 13/1/2016 at 7am and 1pm

Publications in the conferences/seminars/workshop

1. Purushan K.S, Prasada Rao C.V and Rajendran S, Ecotourism potential of Vembanad-kol : A common heritage wet land system, Kerala, India Paper presented in the world Ocean Science Congress 5-8 February 2015, Kochi pp 202.
2. Purushan K.S, Raju M S, Sanju K, Salini N.S and Henamol A indigenous technical knowledge as a reliable tool for the progress of artisanal fisheries in Kerala, Paper presented in the world Ocean Science Congress 5-8 February 2015, Kochi. pp 5-38
3. Purushan K.S, Raju M S, Rajeesh P.M, Anju M.S and Reshmi M.R Empowering and capacity building as imperative to ensure livelihood and socio-cultural advancement of traditional fisherfolk in Kerala. Paper presented in the world Ocean Science Congress 5-8 February 2015, Kochi.
4. Daisy.C.Kappen, Mohanakumaran Nair C, Raju M s, Dinesh K, Salin K.R and Saneer N S, Standardization of cage culture practices of *Lateolabrax niloticus* (Seabass) using farmer participatory approach, paper presented in the world ocean science congress during 5-8 February 2015 at Kochi
5. Daisy.C.Kappen, Madhusoodanakurup, B, Mohanakumaran Nair C, Raju M S, Dinesh K, Salin K.R and Saneer N S, Cage culture of pearlspot *Etroplus suratensis* for livelihood enhancement of the fisherwomen of Central Kerala, paper presented in the 5th International symposium on Cage Aquaculture in Asia 25-28 November, 2015, Kochi world ocean science congress during 5-8 February 2015 at Kochi
6. Daisy.C.Kappen, Madhusoodanakurup, B, Mohanakumaran Nair C, Raju M S, Dinesh K, Salin K.R



and Saneer N S, Participatory approach for standardizing cage culture of giant trevally *Caranx ignobilis* in Thiruthipuram backwaters, Kochi, Kerala, paper presented in the 5th International symposium on Cage Aquaculture in Asia 25-28 November, 2015, Kochi.

7. Daisy.C.Kappen, Mohanakumaran Nair C, Raju M S, Dinesh K, Salin K.R, Saneer N S and Mithun Sukumaran, Pen culture of giant trevally *Caranx ignobilis* as a livelihood for the fisherfolk in Central Kerala. paper presented in the International conference on “Towards a Sustainable Blue Economy: Production, Strategies and Policies” during 4th-6th February 2016, Kochi
8. Dinesh K. Daisy.C.Kappen, Akhil P.B & Geeji M.T, & Nair C.M, Aquaculture Indices of Deccan mahseer, *Tor khudree* transplanted to the low lands of Kerala while stocked with Indian major carps, Int. journal of Science, Environment and Technology, vol.4, No.4, Aug 2015, pp1080-1088.

Popular Articles

Dr.Daisy.C.Kappen

1. Brochures- cage culture of pearlspot, Cage culture of Seabass, Cage culture in Chinese dipnets, Aquarium keeping (in English), Aquarium keeping as a hobby (Malayalam), A M Michel aquarium, Teaching, research and extension activities of KUFOS.
2. Leaflet on teaching, research and extension activities of KUFOS
3. Booklet-Vannamei shrimp culture
4. Composite Fish culture - Malayala Manorama daily dt.25/4/2015
5. Report of the various activities of RKVY funded project Samagramatsyagramam published in “Karshakasree” November 2015
6. CD on teaching research and extension activities of KUFOS
7. Booklets on teaching research and Extension activities of KUFOS (2nos)
8. Challenger-Newsletter of Kerala University of Fisheries and Ocean studies (KUFOS)-3nos.

Dr.K.S Purushan

1. The significance of Chinese dip net in back water fishing
2. How is sustainable fisheries development?
3. Azhakadal Matsyanayam-poraymakalthiruthalukal
4. Matsyathozhilalikkuvavagana
5. Jalaavasavyavastanerdunnaparistika velluvilikalum parihara margangalum

Resources generated

1. Engaged classes to the farmers in the one day workshop on Edible fish cultivation jointly organized by KUFOS and Malayala Manorama on 25/4/2015
2. Engaged classes to the farmers on the topic “Fish farming” in the one day seminar and workshop organized by Muvattupuzha Residence association and Janamaithry Police Station on 29/5/2015.



ABSTRACT OF ACCOUNTS FOR THE FINANCIAL YEAR ENDED 31-03-2016

Receipts	Schedule	Amount(Rs.)	Payments	Schedule	Amount(Rs.)
Opening balances of various A/Cs	I	10,74,77,302	Plan Expenditure	X	13,31,88,360
Receipts from Govt. of Kerala	II	32,74,76,000	Non-Plan expenditure	X	15,22,14,633
Receipts from External Aided Projects (EAP)	III	1,20,29,228	Payments effected from Internal revenue	XI	33,33,061
Internal receipts 31504121-69378	IV	3,14,34,743	Suspense payments	XII	90,19,154
Other misc. receipts	V	1,36,304	Pension & pension related payments	XIII	29,770
Bank interest received	VI	30,52,731	GPF closure/ withdrawal/advance payments	XIV	2,45,67,116
Receipt from ICAR including abatement	VII	1,74,91,500	ICAR Expenditure	VII	1,89,30,058
Suspense – pension	XIII	1,96,705	Suspense payment – pension	XIII	79,100
Puduvype suspense/ abatement	VIII	13,22,153	EAP expenditure	XV	44,65,523
Suspense & abatement charges	IX	2,01,08,989	Closing balance of various accounts	XVI	17,48,98,880
TOTAL		52,07,25,655			52,07,25,655

FINANCE

ABSTRACT OF ACCOUNTS FOR THE FINANCIAL YEAR 2015-16

Receipts	Schedule	Amount As on 31-3-2016	Amount As on 31-3-2015	Payments	Schedule	Amount As on 31-3-2016	Amount As on 31-3-2015
Opening balance	I	10,74,77,302	15,47,77,189	Plan Expenditure	X	13,31,88,360	11,94,97,136
Receipts from Govt. of Kerala	II	32,74,76,000	13,94,00,000	Non-Plan expenditure	X	15,22,14,633	8,45,06,237
Receipts from External Aided Projects (EAP)	III	1,20,29,228	59,41,046	Payments from Internal revenue	XI	33,33,061	25,50,891
Internal receipts	IV	3,14,34,743	2,15,16,838	Debt head	XII	90,19,154	76,18,652
Other misc. receipts	V	1,36,304	18,83,978 33,820	Pension related payments	XIII	0	98,71,705
Bank interest received	VI	30,52,731	25,75,229	GPF closure & withdrawal	XIV	2,45,67,116	70,01,204
Receipt from ICAR including refund	VII	1,74,91,500	1,59,65,000 10,39,527	ICAR Expenditure	VII	1,89,30,058	1,60,73,278
Debt head-pension	XIII	1,96,705	8,935	Debt head-pension	XIII	79,100 29,770	0
Puduvype debt head & refund	VIII	13,22,153	17,27,085	EAP expenditure	XV	44,65,523	70,17,777
Debt head and refund	IX	2,01,08,989	1,65,07,203 2,38,332	Closing balance	XVI	17,48,98,880	10,74,77,302
TOTAL		52,07,25,655	36,16,14,182			52,07,25,655	36,16,14,182



Opening balances of various Accounts as on 1-4-2015

Schedule- I

SINo	Names of various accounts	Amount
1	Treasury Savings Bank A/c	75,00,100
2	Salary A/c – 67167440116	6,80,31,480
3	Pension A/c	1,65,392
4	Internal Receipts A/c	1,82,97,210
5	GPF A/c	18,98,856
6	Special TSB A/c for GPF	92,52,497
7	ICAR DG	22,57,847
8	Puduvype salary a/c	73,920
	TOTAL	10,74,77,302

Receipts from Govt. of Kerala

Schedule - II

SINo	Details of grant-in-aid received	Amount (in Rs.)
1	Non-plan grant-in-aid	14,74,76,000
2	Plan grant-in-aid	18,00,00,000
	TOTAL	32,74,76,000

Receipts from External Aided Projects

Schedule - III

SINo	Names of various projects	Amount (in Rs.)
1	AICOPTAX	6,36,000
2	INDO-MARICLIM	1,34,498
3	D B T Projects	82,00,000
4	SERB Projects	6,00,000
5	KCSTE project	13,07,600
6	NANSEN Project	9,61,894
7	DST Project	1,89,236
	TOTAL	1,20,29,228

Interest received from banks

Schedule - VI

SINo	Names of various accounts	Amount (in Rs.)
1	Salary A/c – 67167440116	15,35,767
2	Pension A/c	1,29,034
3	GPF A/c	28,049
4	ICAR DG	3,11,661
5	Puduvype salary a/c	7,813
6	Internal Receipt a/c	5,90,721
7	Special TSB A/c	4,64,217
	TOTAL	30,67,262
	Less : bank charges	14,531
	Net amount credited	30,52,731



External Aided Projects Expenditure

Schedule – XV

SINo	Names of various Projects	Expenditure incurred at Hqrs.	Amount transferred to Pls	Total
1	INDO MARICLIM	0	2,18,828	2,18,828
2	CMLRE Projects	17,17,889	0	17,17,889
3	NFDB Project	7,27,442	92,910	8,20,352
4	AICOPTAX	2,43,849	0	2,43,849
5	NSPAAD		6,36,707	6,36,707
6	WGP	32,260		32,260
7	Other Projects +			
	Institutional charges	7,95,638	0	7,95,638
	TOTAL	35,17,078	9,48,445	44,65,523

Schedule – VII

BANK RECONCILIATION STATEMENT IN RESPECT OF ICAR DEVELOPMENT GRANT & LIBRARY A/C FOR THE YEAR 2015-16

Particulars		Amount in Rupees
Opening balance as per office A/c as on 1-4-2015		22,57,847
Add:		
1. Receipt from ICAR	1,87,37,000	
2. Bank interest credited	3,11,661	
3. Re-booking from Internal Receipt (14-15)	5,500	
Receipts during the year 2015-16	1,90,54,161	
Less: Recovery by ICAR (unspent ELP)	12,51,000	
		1,78,03,161
TOTAL		2,00,61,008
Less:		
Expenditure as per AUC -2015-16	1,87,42,756	
	1,87,000	
Add: Abatements	302	
Add: Bank charges	355	
Total withdrawals during the year 15-16		1,89,30,413
Balance as per office A/c as on 31-3-2016		11,30,595
Total amount of uncashed cheque (List attached)		2,15,02,926
Total		2,26,33,521
Less : Cheque deposited but not credited to bank account	24,00,000	
Wrong debit of bank expenses in ICAR A/c on LC opening instead of Salary A/c	5,787	
		24,05,787
Balance as per bank pass book/statement		2,02,27,734


**BANK RECONCILIATION STATEMENT IN RESPECT OF A/C No.67167440116
FOR THE YEAR 2015-16**

Particulars		Amount in Rupees
Opening balance as per office A/c as on 1-4-2015		6,80,31,480
Add:		
1. Receipt from Treasury Savings Bank A/c	27,07,76,000	
2. Receipt from External Aided Projects	1,20,29,228	
3. Miscellaneous credit etc	1,36,304	
4. Transfer from pension a/c	4,00,00,000	
5. Bank interest	15,35,767	
		32,44,77,299
TOTAL		39,25,08,779
Less:		
1. Total withdrawals during the year 2015-16 (Statement I attached)		28,08,47,007
2. Bank charges		11,732
		28,08,58,739
Total debit in the bank a/c		
Balance as per office A/c as on 31-3-2016		11,16,50,040
Add: Amount of un cashed cheques (Annexure 1)		<u>2,59,49,871</u>
Total		13,75,99,911
Less: wrong debit of cheque No.803308 dt.31.3.16		1,41,500
Cheque deposited but not credited- ICAR (14-15)		35,67,123
Cheque deposited but not credited- ICAR (15-16) (Rs.45,12,509 – 1400)		45,11,109
Cheque deposited but not credited by bank		2,50,00,000
Excess withdrawal by bank (14-15)		9
		3,32,19,741
Balance as per Bank Pass Book as on 31-3-2016		10,43,80,170



Statement I

DETAILS OF TOTAL WITHDRAWAL FROM ABNK A/C NO.67167440116 DURING THE YEAR 2015-16

Particulars		Amount in Rupees
Actual Gross Expenditure as per statement (Schedule –X)		28,87,94,336
Less:		
1. Total suspense for the year (Schedule IX)	2,01,08,989	
2. Puduvype/school expenses	83,73,401	
3. Expenses incurred from pension a/c	1,79,25,180	
Total deduction		4,64,07,570
Net withdrawal		24,23,86,766
Add:		
1. Suspense & other payments during the year(Schedule XII)	3,83,90,863	
2. Abatement charges deducted but credited to Internal Receipt A/c	69,378	
		3,84,60,241
Total withdrawals during the year 2015-16		28,08,47,007

Closing balances of various accounts as on 31-3-2016

Schedule - XVI

SINo	Names of various accounts	Amount
1	Treasury Savings Bank A/c	100
2	Salary A/c – 67167440116	11,16,50,040
3	Pension A/c	81,76,464
4	Internal Receipts A/c	4,22,25,164
5	GPF A/c	15,19,318
6	Special TSB A/c for GPF	97,16,714
7	ICAR DG	11,30,595
8	Puduvype salary a/c	18,700
9	School balances	4,61,785
	TOTAL	17,48,98,880



KUFOS Library

Staff strength

- | | |
|------------------------------|------------------------|
| 1. Assistant Librarian | : Kunjumuhammed V S |
| 2. Reference Officer Hr. Gr. | : P V Vijayalakshmi |
| 3. Reference Officer | : Dr. Ramya Raveendran |
| 4. Office Attendant | : Arun K J |
| 5. Lab. Asst (Photocopy) | : Rajamma K R |

Addition to Library Resources

- | | |
|--|--------|
| Total number of books added in the library | : 2440 |
| Total number of project reports added in the library | : 102 |
| Total number of Thesis added in the library | : 13 |

Details of Departmental meeting conducted with agenda

Periodical Staff meetings held to improve the services of the Library

Conference/Seminar/Workshop/Invited lectures organized by the Department

1. D-Space Workshop conducted on 7 & 8 January 2016
2. Consortium for e-Resources in Agriculture (CeRA) training programme conducted on 26/2/2016.
3. Book exhibition conducted on 10 & 11 March 2016.

Library & Information Services improved/ continued

1. **KUFOS Digital Library** - KUFOS Institutional Repository named 'MEENAM' is now available through LAN. It is the Digital Repository of KUFOS in D-space through KUFOS LAN. 2268 digital pages were added to the collection.
2. **ASFA (Online Fisheries Database)**
"ASFA" is an acronym for Aquatic Sciences and Fisheries Abstracts., the premier abstracting & indexing database in aquatic sciences. More than 5,000 Serial publications, books, reports, conference proceedings, translations and limited distribution literature in English and other 40 languages around the world, are selected for abstracting and indexing in ASFA. It is available through KUFOS LAN on IP authenticated basis.
3. **Manupatra Courts & Tribunals**
Manupatra, pioneer in online legal research in India since 2001, is India's premier legal information resource. It is the largest content aggregator of Indian and International material, linking primary information, secondary material and proprietary analytical content. KUFOS is very proud of joining hand with this online legal database. It is IP authenticated with user name and password.



4. J-Gate

J-Gate is the largest E-Journal Gateway. J-Gate @ Consortia acts as a search platform plus resource sharing facility for the members of the consortium. J-Gate covers almost all subjects including Social and Management Sciences (23,494 online journals). Socio-Economic statistical information about Agriculture in India ie; *India Agristat* is another customized service through J-Gate. This too has user name and password.

5. World ebooks Library Collection

World e-book library collection ensures unlimited access to more than 33,00,000 books and academic articles. It is also IP authenticated.

6. Astral eBooks

All library users can access Astal eBooks and can keep the copy of the book as their own by downloading the same.

7. DELNET (Developing Library Network)

DELNET is the major Digital Library Resource in South Asia established with the prime objective of promoting resource sharing among the libraries through the development of a network of libraries. KUFOS Library is a member in DELNET.

8. Krishikosh - Thesis Database

Krishikosh is the collection of tresses under ICAR institutions. Now available at KUFOS online..

9. CeRA (Online Journal Service of ICAR)

The prestigious Online Journal service of ICAR CeRA (Consortium for e-Resources in Agriculture) is available to KUFOS community through KUFOS LAN (IP address basis). Around 4896 Foreign and Indian Journals are available with full text, and document delivery service of member library collection is also available through KUFOS Library.

10. CONTENT PAGE SERVICE (CPS) ICAR

Contents page service on Fisheries and Allied Sciences is available to KUFOS Community from CIFE, Mumbai. We are receiving the content pages of all subscribed journals of CIFE, periodically. The original articles will be delivered as per demand and request.

Research achievements and publications of Staff

a. Books Published

1. Raveendran, Ramya & Kunjumammed, V S. (2016). Digital library initiatives at KUFOS: Case study of D-Space Institutional Repository development at Fisheries University, Kochi. *Managing Innovations in New Generation Libraries* by Shinu Ray, et al. Thiruvananthapuram: Kerala Library Association.
2. Raveendran, Ramya & Kunjumammed, V S. (2016). Library towards the cloud: Technology management in libraries. New Delhi: Author's Press.

b. Journal Article Published

1. Raveendran, Ramya. (2016). Application of modern technical tools in management institute libraries in Kerala. *International Journal of Information Dissemination and Technology*, 4(4), 303-307.
2. Raveendran, Ramya. (2016). Role of social networking in academic libraries with respect to



- management institute libraries in Kerala. *Journal of Research in Librarianship*, 2(1), 21-31.
3. Raveendran, Ramya. (2016). Digital information resources and services in management institute libraries: A study with special reference to Kerala. *Library Progress International*, 34(1), 65-74.

c. Paper Presented

1. Kunjumammed, V S & Raveendran, Ramya. (2015). Libraries towards cloud, Kerala Library Association and Kerala State Council for Science, Technology and Environment Sponsored National Seminar. Trissur: Kerala Agriculture University.
2. Kunjumammed, V S & Raveendran, Ramya. (2015). Digital library initiatives at KUFOS: A case study of D-Space institutional repository development at Fisheries University, Kochi, Managing Innovations in New Generation Libraries, Kochi: Kerala Library Association and Rajagiri College of Social Science.
3. Raveendran, Ramya. . (2015). Impact of data mining technology in academic libraries, Skill Approach to Information and Communication Technology for Information Problem Solving, Thrissur: St. Marys College.

Meetings attended by faculty members outside the University

Asst. Librarian attended the meeting at Maritime University, Kochi.

Utilization of fund for the current month (cumulative details)

Head	Amount sanctioned (2015-16)	Utilization	Particulars
Plan Fund	20 Lacks	100%	Book purchase
ICAR Grant	50 Lacks	100%	Details appended

Utilization of ICAR Development Grant 2015-16 for Library Strengthening

The Kerala University of Fisheries and Ocean Studies is entrusted with the triple functions of trained manpower generation, carrying out research and extension activities in Fisheries sector. Information is a valuable resource and important constituent that determines the quality of education, research and extension activities. KUFOS Library and Information System (KUFOS-LIS) is envisaged for Collection, Organization and Dissemination of Information especially on Fisheries and Allied Sciences. KUFOS Library is one of the good libraries on Fisheries and Ocean Sciences in Kerala State with a rich collection of Books, Bound Journals, DDM Collection, Reports, rare documents and CD Rom databases etc. It is a hybrid library contains Traditional library collection and Digital Library Resources. ICAR as per reference cited above had kindly sanctioned Rs. 54 lakhs to KUFOS Library. The Library was highly strengthened with the proper utilization of ICAR Grant during 2015-16. The detailed report follows.



Sl. No.	Item	Additions (No.s)	Impact
1	e-Books /Reference/ and Foreign Books	508	The existing book collection and e-Book collection is strengthened by adding new books on fisheries and allied disciplines. The latest addition meant to strengthen the academic programmes and create innovative ideas in students, teachers and scientists. These materials are being utilized by researchers from outside also.
2	Library Automation Work in KOHA		Library Automated with 'KOHA' and Bar-coded the materials for automated circulation system.
3	CCTV System		Strengthened the security system by establishing CCTV System with 13 cameras.
4	Library Furniture Modern Racks		Purchased most modern Vinar-Library Racks and arranged the collection accordingly.
5	Desktop Computers and Wi-Fi Facility	45 Nos	Established additional computer lab for more access to Digital Resources
6	Renewal of Indian Journals/ Online Databases/ Access of World e-Book Library/ DELNET Membership and other e Resources	62 Nos	Added many access facility to Digital Databases like World e-Book Library, DELNET, J-Gate etc.
7	UPS	1	Purchased new UPS for power supply to Digital Library Section and Server room.
8	Air-conditioning of Digital Library and Reference Section		Air-conditioned the Digital Library and Reference Section. It increased the number of users.



Hon. Vice Chancellor (i/c) Mr.MaryapandiyanI.A.S Inaugurates Book Exhibition held in March 2016



NATIONAL SERVICE SCHEME

Report of Activities during 2015-16

National Service Scheme

The Over-all objective of the National Service Scheme is Service to the community, while studying, in an educational institution. It is sought to arouse the social conscience of students and provide them with the opportunity to work with the people around the educational campuses creatively and constructively, and to put the education they received to concrete social use. KUFOS unit of NSS has 100 students from the BFSc course with Dr. Ranjeet K, Associate Professor as its Programme Officer. Mr. Amal S and Ms. Saranya Raju of 2014 batch BFSc were the NSS Secretaries.

National Road Safety week

The National Service Scheme of KUFOS in association with the Sub Regional Transport Office, Thripunithura organized an awareness programme for students on “**Safe Driving**” as part of the National Road Safety Week on 20th January 2016. Mr. Vinod Kumar N., Motor Vehicle Inspector, handled classes at KUFOS, Seminar Hall. The aim of this campaign was to emphasize and accentuate people about the need for safe roads travel by applying just simple rules. NSS Volunteers then carried out the awareness campaign to the public by distributing hand-made pamphlets to those violating traffic rules and encouraging those following it by distribution of pleasantries.





Women's Day

The Women's Day was celebrated in KUFOS on March 8, 2016 by the NSS Unit. Various competitions to identify the women icon of the campus was also organized, which included elocation, creative thinking and debate competition. Mrs. Merin Joseph, IPS was the Guest of honour for the occasion.

Report on 7 (Kerala) Naval NCC Unit for 2015-16

A naval NCC Unit is functioning at KUFOS from 2007 with cadet strength of 50. In India, only one Fisheries Institution, KUFOS has the NCC Unit. Sub. Lt. V S Kunjumuhammed is serving as Associate NCC officer (ANO).

During the report period 18 **Cadets** have passed 'B' Certificate Exam and 12 Cadets have passed NCC 'C' Certificate Exam. KUFOS ANO has got an opportunity to lead the Kerala Contingent to National Integration Camp at Kumbakonam, Tamil Nadu. The Unit conducted a special parade on Republic day celebration 2016. 45 Cadets have participated in various camps conducted by NCC in different places of the state like Naval Base, Kochi, Kerala Varma College, Thrissur and U C College, Aluva. Total sanctioned strength is 50. The enrollment was completed in full allotted strength in current year. SD- 16 (Boys) SW-34 (Girls) Total-50.



Cadets Ready for Action



Students Union Activities 2015-16

Students of KUFOS elected new students union on 23 October 2014 through election. The office bearers of the Students union are

Patron	:	Dr. B. Madhusoodhana Kurup, Hon'ble Vice Chancellor
Associate patron	:	Dr. MK Sajeewan
Chairman	:	Shanooj A.V.
vice chairman	:	Nino Thomas
General secretary	:	George Victor
Joint secretary	:	Aswathy M.S.
Arts club Secretary	:	Alin Varghese
Magazine editor	:	MuhammedK.M.
University Union councilors	:	ReshmaK.M.
University Union councilors	:	Nimisha
University Union councilors	:	Shyam

Union Inauguration –ENTRADA 2014-2015

University Students union 2014-2015 inauguration was held on 12 December 2014 in seminar hall. Honorable Minister for Fisheries and Excise inaugurated the activities of Students Union by lighting the lamp. Cine artist Mr. SreenathBhasi was the chief guest. The Union Inauguration –ENTRADA 2014 was graced by the variety entertainment programmes by the students.

Christmas celebration

The Christmas celebrations was conducted on December 22. The Christmas carol was organized by the students. Honorable vice chancellor gave a Christmas message followed by cake cutting.

Environment day

Environment day was celebrated by the nature club on 5th June by organizing a campaign One plant One student and a poster designing completion on green economy. Famous environmentalist Shri. Neelakandan delivered a talk on the environment, pollution, development.

ED club

Entrepreneurship Development club was started in the campus followed by the visit of Andrine Menden (CEO of salt mango tree a famous advertising company) for developing and introducing new start up programmes among students. The programme was organized under the M.B.A students named TESLA 2014.



Charity programmes

August 3 was celebrated as a day for developing awareness on humanity and charity activities by the students. The charity was collected as food, clothes and money from KUFOS students and Faculty. The students had spent their whole day with the inmates of Bethlehem abhayabhavan and donated relief materials to the inmates. Dr. MK Sajeewan, Associate patron flagged off the journey of students to Bethlehem abhayabhavan

Film club Report

Two Thursdays in every month the Film club screened outstanding films from different languages. On 8th August film club has organized a workshop "Be the Actor". Director cum Actor NithinSha had interacted with the students and some talented students had given a chance to act in his short film.

The news maker in Manorama channel Shrimati Shani Bhaskar had done an interactive session with the students on the topic "criticism on media". She had shared lots of information on modern media concepts with the audience.

Arts festival sargodayam 2015

Arts festival in KUFOS was conducted during 7 to 15 July. cine artist Tini Tom distributed the prize to winners. The certificates for the Kalathilakam, Kalprathibha, Sargaprahiba was given away by Shrimati. Dr. JayashreeMadhu, wife of Honourable Vice chancellor.

Onam celebration

August 25, 2015 was celebrated as the festival of unity and prosperity, Onam celebration was inaugurated by Vice Chancellor. Different programmes organized by the students and faculty members were entertaining. Traditional style *Onamsadhya* was the main attraction of the programme.

Blood donation Camp

Blood donation camp was organized in collaboration with the Indian medical Association. Dr. Suilaka Maraykar was leading the programme where many students and faculty members donated their blood and set a great example.

The renowned band Thykoodam bridge had visited KUFOS for promotion of their new album 'NAVARASAM' and made a beautiful memory for the students.



PHYSICAL EDUCATION AND SPORTS UNIT

The Department of Physical Education, Kerala University of Fisheries and Ocean Studies promoting Physical Education and sports on par with regular academics. The University has well recognized the value of sports and physical activities as a means of developing personality promoting social harmony and discipline. The department provides ample opportunity to the students to utilize their leisure time with physical activities to reduce their stress in their day-to-day education system. At this esteemed University, we believe in all round development of students and hence, apart from our success stories in the field of education, the University provides encouragement and support to sports in a big way. With this unconditional support, the sports department went on to bring glory to the University in several disciplines of sports. The department has evolved into a team, which is committed to producing sports persons of very high standards.

A well established physical education and sports unit is functioning in the university with sufficient sports and games facilities. The Physical Education and Sports unit divided its activities in two broad categories, intramural and extramural. Sports & Games activities in the University Campus were very much active and alive during the year 2015-2016. The University is slowly but surely making a name for itself in the sports field. This year Department has organized Kerala University of Fisheries and Ocean Studies Intercollegiate Track & Field and Games Meet.

Infrastructure Development

The University dedicated their time and effort for the development of the sports infrastructure of the University during the year.

Play Field Facilities

Track and Field (outdoor) Football, Cricket.

Shuttle Badminton (outdoor-2 NOS)

Basket ball court (outdoor-2 NOS)



Basketball court



Swimming pool



Programmes of the Department

- 1) Physical Education class for BFSc 1st years (I semester)
- 2) Swimming class for BFSc 2nd years (III semester)
- 3) Sending various teams for the South Zone/ All India championship.
- 4) Conducting KUFOS intercollegiate Track and Field and Games Meet.
- 5) Conducting Coaching camps for various teams



Annual sports meet

During the period around 100 students participated in the extramural programme in sport and games competitions at various levels. Various sports in which the students participated are as follows: Football, Cricket, Badminton, table tennis, Athletics, Basketball Boxing, Volleyball (Men and Women) various open and invitational tournaments in which the students participated in the District League tournaments, inter-collegiate inter-university and All India inter agriculture University sports and games meet competitions.

Football

The University team participated in Ernakulam District football League, inter agricultural university sports meet, inter-collegiate and inter-university competitions

Cricket

The University team participated in Ernakulam District cricket League, inter agricultural university sports meet, inter-collegiate and inter-university competitions.

Basketball

The University team participated in Ernakulam District basketball tournaments, inter agricultural university sports meet, inter-collegiate and inter-university competitions.

Volleyball

The University team participated in Ernakulam District volley League, inter agricultural university sports meet, inter-collegiate and inter-university competitions.

All India Inter Agriculture University sports and games meet

- Athletics mren and women
- Basketball men
- Volleyball men and women
- Table tennis men and women
- Shuttle badminton men and women



PARENT TEACHERS ASSOCIATION

Annual report 2015-16

Respected Vice Chancellor and Chief Patron of the Association respected Pro Vice Chancellor, Registrar, President of the Association, executive committee members, colleagues and parents. I am, indeed extremely happy to present before you a report on the activities of the Parent Teachers Association of the Kerala University of Fisheries and Ocean studies from during the period from 14/12/2015 to 31/12/2016.

The Annual General body Meeting held on 14/12/2015 elected unanimously the following persons as the office bearers of the Parent Teachers Association Kerala University Of Fisheries And Ocean Studies for the year 2014-15.

President : Shri Prasad M.K (F/o MsDevika, II BFSc)

Vice President	:	Shri C.Haridas (F/o MsLekshmiHaridas, II BFSc)
Secretary	:	Dr.B.Manojkumar (Associate Professor)
Jt.Secretary	:	SmtAlphyKorath (Associate Professor)
Executive Committee Members	:	Shri K.Dinakaran (F/o Chandana, BFSc)
		Shri M.Vijayakumar (F/o MsVeenaVijayan, MSc(Statistics))
		SmtJasmin.M (M/o Afiya Salah, BFSc)
		SmtK.V.Pushavalli (M/o GopikaVishwanath.BFSc)

The executive committee met thrice during the period on 14/12/2015, 09/12/2016 and 10/01/2017 in order to review the activities of the Association.

In the general body meeting parents raised various issues. The issues were discussed and it was decided to bring them to the attention of University authorities. PTA was associated with various activities organized in the University; some of them are given below.

On 20/09/2016 an orientation programme was organized for the MBA students by the School of Management and Entrepreneurship. A special lecture by Shri Anil Madhavan, Managing Director, Loom Craft was organized on 21st October 2016. He shared his valuable industrial experience with the students of the University. A welcome was

arranged for the 2016 admission BFSc students on 26/10/2016. DrK.V.Jayachandran, Professor and Director of Research and Shri N.N.Raman, Associate Professor and Director, School of Fishery Environment both faculty members of the University retired from the service are being honoured by the Association today.

A campus interview for the students was organized on 23/04/2016 by the Association in collaboration with the University. Members from Qatar National Import and Export Co, visited the campus and a person was recruited. Students are informed about the career opportunities by the association. The association acted as a liaison between the parents and the University

In addition to the above mentioned activities the



Association was closely associated with all the activities of the students and staff of the University such as onam, new year celebrations etc. PTA was in the forefront in both the sad and glad occasions of the members of the KUFOS family.

I take this opportunity to thank Prof. (Dr) A.Ramachandran, Hon'ble Vice Chancellor of KUFOS, Dr Padma Kumar, Hon'ble Pro Vice Chancellor of the University, Dr Victor George, Registrar, all the officers of the University, Faculty members, and all the staff members. As the

Secretary of the Association I specially thank Shri Prasad M K, President of the Association, all the executive committee members, DrAmbilikumar, Auditor of the Association and last but not the least all the parents who are the members of the Association.

Thank you

Dr.B.Manojkumar
Secretary

Receipt and Payment Account of PTA KUFOS for the Period from 14/12/2015 to 31/12/2016

Receipt	Amount (Rs)	Payment	Amount (Rs)
To balance b/d		By Orientation programme	3000.00
Bank	100546.00		
Cash	2221.00	By Memento	688.00
To bank interest	5479.00	By Refreshment	11050.00
To subscription collected	73500.00	By stage decoration	1800.00
Advance by Secretary	5867.00	By Printing and stationery	550.00
		At Bank	170525.00
		Cash at hand	
TOTAL	187613.00	TOTAL	187613.00

10/01/2017
Panangad

Dr.B.Manojkumar
Secretary

Dr.K.Ambilikumar
Auditor



KUFOS IN NEWS DURING

സമുദ്ര സമ്പദ് വ്യവസ്ഥ രാജ്യാന്തര സമ്മേളനം ഇന്ന്

കൊച്ചി: ജലവിഭവങ്ങൾ ഉപയോഗപ്പെടുത്തിയുള്ള സമ്പദ് വ്യവസ്ഥയുടെ (ബ്ലൂ ഇക്കനോമി) വികസനം ലക്ഷ്യമിട്ട് കേരള ഫിഷറീസ് സമുദ്രപഠന സർവകലാശാല (കുഫോസ്) സംഘടിപ്പിക്കുന്ന ത്രിദിന രാജ്യാന്തര സമ്മേളനം വ്യാഴാഴ്ച ആരംഭിക്കുകയും.

രാവിലെ 11.30ന് രാധിസൺ ബ്ലൂ ഹോട്ടലിൽ ഫിഷറീസ് മന്ത്രി കെ. ബാബു ഉദ്ഘാടനം ചെയ്യും. സമ്മേളനത്തിൽ ആഗോള തലത്തിലുള്ള പ്രമുഖ സമുദ്ര വൈജ്ഞാനികർ, പരിസ്ഥിതി ശാസ്ത്രജ്ഞർ, ഫിഷറീസ് വിദഗ്ദ്ധർ, നാവിക സൈന്യാധികാരികൾ എന്നിവർ പങ്കെടുക്കും.

Mathrubhumi (Feb 04, 2016)

ദേശീയ സമുദ്രമത്സ്യ നയരൂപീകരണം: ആശങ്ക അകറ്റണം: മന്ത്രി ബാബു

നവോപജ്ഞാതരായും ബ്ലൂ ഇക്കനോമിയുടെ ഭാവനാകരണം

കുഫോസ് സെന്റർ ഫോർ സസ്ടെയിനബിൾ ബ്ലൂ ഇക്കനോമി ഫോർ ദേശീയ സമുദ്രമത്സ്യ നയരൂപീകരണം. മന്ത്രി കെ. ബാബു പറഞ്ഞു. നവോപജ്ഞാതരായും ബ്ലൂ ഇക്കനോമിയുടെ ഭാവനാകരണം. മന്ത്രി കെ. ബാബു പറഞ്ഞു.

Malayala Manorama (Feb 05, 2016)

മത്സ്യത്തൊഴിലാളികളുടെ ആശങ്ക പരിഹരിക്കണം - മന്ത്രി ബാബു

കുഫോസ് സെന്റർ ഫോർ സസ്ടെയിനബിൾ ബ്ലൂ ഇക്കനോമി ഫോർ ദേശീയ സമുദ്രമത്സ്യ നയരൂപീകരണം. മന്ത്രി കെ. ബാബു പറഞ്ഞു. നവോപജ്ഞാതരായും ബ്ലൂ ഇക്കനോമിയുടെ ഭാവനാകരണം. മന്ത്രി കെ. ബാബു പറഞ്ഞു.

Mathrubhumi (Feb 05, 2016)

'Blue Economy Policy Should Address Fishers' Concerns'

Kochi: Fisheries Minister K. Babu on Thursday said the authorities should take the common man into consideration while initiating developmental projects and policies for the 'blue economy.'

The Minister was speaking after inaugurating the three-day international conference on Blue Economy organised by the Kerala University of Fisheries and Ocean Studies (KUFOS) here on Thursday. "Since the fisherman community is the key stakeholder of the policies, the Centre should address the the concerns raised by them with regard to the National Marine Fisheries Policy (NMFP). Ignoring the views of the fishers will lead to social and economic imbalance in society," said the Minister.

"In order to achieve a healthy blue economy, an action plan has to be formulated to tackle the issues pertaining to inland and marine fisheries; coastal tourism; marine transportation; offshore oil and gas; offshore energy; 'capture fisheries' and aquaculture," pointed out the Minister.

Tie-up with Norway
Delivering the plenary lecture at the 'Blue Economy, international Cooperation and Marketing, Norway, director Lasse H. Pettersen expressed willingness to tie-up with Indian scientists to carry out joint research for development of technologies for effective utilisation of ocean and inland water resources.

The New Indian Express (Feb 05, 2016)

സമുദ്രനിരപ്പ് ഉയരുന്നത് കേരളത്തെയും ബാധിക്കും

കൊച്ചി: കരകടലിലെ ജീവജാലങ്ങൾക്കും മത്സ്യത്തൊഴിലാളികൾക്കും സമുദ്രനിരപ്പ് ഉയരുന്നത് കേരളത്തെയും ബാധിക്കും. മന്ത്രി കെ. ബാബു പറഞ്ഞു.

കുഫോസ് സെന്റർ ഫോർ സസ്ടെയിനബിൾ ബ്ലൂ ഇക്കനോമി ഫോർ ദേശീയ സമുദ്രമത്സ്യ നയരൂപീകരണം. മന്ത്രി കെ. ബാബു പറഞ്ഞു. നവോപജ്ഞാതരായും ബ്ലൂ ഇക്കനോമിയുടെ ഭാവനാകരണം. മന്ത്രി കെ. ബാബു പറഞ്ഞു.

Kerala Kaumudhi (Feb 05, 2016)

Centre urged to protect interests of fisher folk

Special Correspondent

KOCHI: An international conference on Sustainable Blue Economy got under way here on Thursday with a call to the Union government to protect the interests of the fishing community while framing a new national maritime fisheries policy.

Minister for fisheries K. Babu, who inaugurated the conference, said, "The Union government should be ready to protect the interests of the fisher folk while framing the National Fisheries Policy. We have to bear in mind that fisher folk are the key stakeholders."

The Minister underlined the challenges faced by the fishing and coastal communities and wished that the conference's outcome would go a long way to address these issues.

The three-day conference is being organised by the Kerala University of Fisheries and Ocean Studies in collaboration with the National Environmental Research Centre (India).

The theme of the conference is "Towards a Sustainable Blue Economy: Production, Strategies and Policies."

Vice-Chancellor of KUFOS B. Madhusudhana Murthy, who presided over the inauguration, said the blue economy had emerged as a term referring to a healthy ocean, supporting higher productivity. The blue economy, he said, was envisaged as the

Norway keen on tie-up for research

KOCHI: There is ample scope for collaborative research works between India and Norway to improve the blue growth sector, said international marine expert Lasse H. Pettersen, director of International Cooperation and Marketing, Norway.

He expressed willingness to tie-up with Indian scientists to carry out joint research ventures in the development of technologies to utilise ocean and inland water resources. He was delivering a plenary lecture at the three-day international conference on 'Blue Economy' being organised by Kerala University of Fisheries and Ocean Studies in Kochi.

"Norwegian scientists have developed a satellite technology to monitor and trace the path of fishes and analyse fish behaviour," he said. He sought the support of Indian scientists to modify the technologies for the Indian context.

The Hindu (Feb 05, 2016)



ഇന്ത്യൻ സയൻസ് കോൺഗ്രസ് കൊച്ചി ചാപ്റ്ററിന് കുഫോസിൽ തുടക്കം

കൊച്ചി: ഇന്ത്യൻ സയൻസ് കോൺഗ്രസ് താമസത്തിനായി നാളെ തുറന്നു കൊടുക്കുന്ന കുഫോസിലെ പുതിയ ഹോസ്റ്റൽ.

അമൃതപ്രസാദ് അടൽ ബിരുദധാരി ബ്രഹ്മാജി അടൽ കുമാർ നായർ ഉദ്ഘാടനം ചെയ്ത. ഇതിന് ശേഷം സെമിനാർ ക്വട്ടേഷൻ സെമിനാർ, ഹാൻഡ് ഓൺ കെ. പത്മകുമാർ ഉദ്ഘാടനം ചെയ്ത. കുമാർ ഫിഷറീസ് കോളേജ് ഫിഷറീസ് ഡിവിഷൻ കെ. പത്മകുമാർ അധ്യക്ഷത വഹിച്ചു.

അദ്ദേഹം പറഞ്ഞു, കുഫോസിലെ പുതിയ ഹോസ്റ്റൽ, ഇന്ത്യൻ സയൻസ് കോൺഗ്രസ് നാളെ തുറന്നു കൊടുക്കുന്ന കുഫോസിലെ പുതിയ ഹോസ്റ്റൽ.



ഇന്ത്യൻ സയൻസ് കോൺഗ്രസ് താമസത്തിനായി നാളെ തുറന്നു കൊടുക്കുന്ന കുഫോസിലെ പുതിയ ഹോസ്റ്റൽ.

കുമാർ, ഹോസ്റ്റൽ, ഇന്ത്യൻ സയൻസ് കോൺഗ്രസ് താമസത്തിനായി നാളെ തുറന്നു കൊടുക്കുന്ന കുഫോസിലെ പുതിയ ഹോസ്റ്റൽ.

Madhyamam (Feb 08, 2016)

ചതുഷ്കുനില സംരക്ഷണം: കുഫോസിൽ സെമിനാർ നാളെ

പനങ്ങാട് • തിരുവല്ല മേഖലയിലെ പരിസ്ഥിതി സംരക്ഷണത്തിൽ ഏറെ പ്രാധാന്യമുള്ള കോൾപാടങ്ങളും ചതുഷ്കുനിലങ്ങളും സംരക്ഷിക്കുന്നതിന്റെ ഭാഗമായി കേരള ഫിഷറീസ് സമുദ്രപാത സർവകലാശാല (കുഫോസ്) നീതി നാളെ സെമിനാർ. ചതുഷ്കുനിലങ്ങൾ വൻതോതിൽ നഷ്ടപ്പെടുന്നതും കണ്ടൽ നശിക്കുന്നതും തടയുന്നതിനുള്ള പ്രായോഗിക പദ്ധതികളും കാലാവസ്ഥാ

വ്യതിയാനം, തിരുവല്ല പരിപാലനം എന്നിവയെക്കുറിച്ചും സെമിനാറിൽ ചർച്ച നടക്കും. ഗവേഷകരെയും വിദ്യാർത്ഥികളെയും ലക്ഷ്യമിട്ടു നടത്തുന്ന സെമിനാറിൽ പൊതുജനങ്ങൾക്കും പങ്കെടുക്കാം. രാവിലെ 10ന് വൈസ് ചാൻസലർ ഡോ. ബി. മധുസൂതനക്കുറുപ്പ് ഉദ്ഘാടനം ചെയ്യും. പ്രൊ-വൈസ് ചാൻസലർ ഡോ. കെ. പത്മകുമാർ അധ്യക്ഷത വഹിക്കും.

Malayala Manorama (Feb 16, 2016)

New Research Complex at KUFOS to be Opened

Kochi: Minister K Babu will inaugurate a newly built research complex at Kerala University of Fisheries and Ocean Studies (KUFOS) on Tuesday. All the 21 research centres of the University, including the aquatic animal health laboratory will start functioning at the complex.

The facilities such as Molecular Lab, Microbiology Lab, Histopathology Lab and Processing Hall etc. have been set up at the complex, which spreads over 440 sq. m. The complex was constructed utilising the government plan fund of ₹2 crore. Vice Chancellor Dr B Madhusoodana Kurup will preside over the function.

Convocation on 26
The second convocation of Kerala University of Fisheries and Ocean Studies (KUFOS) will be held on Friday at the University. In all, 224 students who have

passed B.F.Sc., M.F.Sc., M.B.A., M.Sc., M.Tech., LL.M. and Ph.D. will be awarded the degrees at the function. KUFOS Pro-Chancellor and Minister for Fisheries K. Babu will confer the degrees to the students and present medals to the rank holders in each course.

Kufos aims at 60 courses by 2020

SPECIAL CORRESPONDENT

KOCHI: Kerala University of Fisheries and Ocean Studies aims to have 40 departments, 60 courses and 2,000 students by 2020, said Vice Chancellor B. Madhusoodana Kurup on Wednesday.

He was speaking at a press conference convened to announce the second convocation ceremony of the univer-

sity on Friday. He also said that 10 new courses would be started during the next academic year. A five-year integrated M.Sc. course in Ocean studies and technology will be introduced next year, he added. The student strength at the university has gone up to 800 from the initial 120.

Degrees will be conferred on Friday on 224 students who have completed their

various courses. Of them, 94 have completed their graduate studies; 128 have completed their post-graduate studies and two have been awarded doctoral degrees. The toppers in each of the courses will be given medals during the ceremonies. Fisheries Minister and Pro-Vice Chancellor of the university K. Babu will give away the awards and medals, the press

release said. Former director general of the Indian Council of Agricultural Research S. Ayappan will deliver the convocation address. The Vice Chancellor said that Kufos had made tremendous progress over the last five years in the academic fields. The progress is being made as per the Vision 2020 document. Student intake has increased from 53 to 328 per annum.

The New Indian Express (Feb 23, 2016)



പിജി വിദ്യാർത്ഥിനികൾക്ക് താമസത്തിനായി നാളെ തുറന്നു കൊടുക്കുന്ന കുഫോസിലെ പുതിയ ഹോസ്റ്റൽ.

കുഫോസിൽ ഒരു വനിതാ ഹോസ്റ്റൽ കൂടി

പനങ്ങാട് • പുതിയതായി നിർമ്മിച്ച പിജി വനിതാ ഹോസ്റ്റൽ വിദ്യാർത്ഥിനികൾക്ക് താമസത്തിനായി നാളെ തുറന്നു കൊടുക്കും. കുഫോസിലെ പുതിയ ഹോസ്റ്റൽ. പുതിയ പിജി കോഴ്സുകൾ വന്നതോടെയാണ് വിദ്യാർത്ഥിനികൾക്ക് താമസിക്കുന്നതിന് സർവകലാശാലയിൽ നിലവിലുള്ള വനിതാ ഹോസ്റ്റൽ മതിയാകാതെ വന്നത്.

960 ചതുരശ്ര മീറ്ററിൽ രണ്ട് നിലകളിലായി പണി കഴിപ്പിച്ച ഹോസ്റ്റലിൽ കപ്പിറ്റർ റൂം, റീഡിംഗ് റൂം, ഡൈനിംഗ് റൂം, കൈനീക്കം ചെയ്യാൻ പാടില്ലാത്ത വനിതാ ഹോസ്റ്റൽ.

വിദ്യാർത്ഥിനികൾക്ക് താമസത്തിനായി നാളെ തുറന്നു കൊടുക്കുന്ന കുഫോസിലെ പുതിയ ഹോസ്റ്റൽ. പുതിയ പിജി കോഴ്സുകൾ വന്നതോടെയാണ് വിദ്യാർത്ഥിനികൾക്ക് താമസിക്കുന്നതിന് സർവകലാശാലയിൽ നിലവിലുള്ള വനിതാ ഹോസ്റ്റൽ മതിയാകാതെ വന്നത്.

960 ചതുരശ്ര മീറ്ററിൽ രണ്ട് നിലകളിലായി പണി കഴിപ്പിച്ച ഹോസ്റ്റലിൽ കപ്പിറ്റർ റൂം, റീഡിംഗ് റൂം, ഡൈനിംഗ് റൂം, കൈനീക്കം ചെയ്യാൻ പാടില്ലാത്ത വനിതാ ഹോസ്റ്റൽ.



ശനിയാഴ്ച തുറന്നു കൊടുക്കുന്ന കുഫോസിലെ വനിതാ ഹോസ്റ്റൽ.

കുഫോസ് വനിതാ ഹോസ്റ്റലിന്റെ ഉദ്ഘാടനം ഇന്ന്

കൊച്ചി: പുതുതായി നിർമ്മിച്ച കേരള ഫിഷറീസ് സമുദ്രപാത സർവകലാശാലയിലെ (കുഫോസ്) പി. ജി. വനിതാ ഹോസ്റ്റൽ വിദ്യാർത്ഥിനികൾക്ക് ശനിയാഴ്ച തുറന്നു കൊടുക്കും. ഹോസ്റ്റലിന്റെ ഉദ്ഘാടനം വൈകുന്നേരം മൂന്നിന് മന്ത്രി കെ. ബാബു നിർവഹിക്കും. കഴിഞ്ഞ അധ്യയന വർഷങ്ങളിൽ പുതിയ പി. ജി. കോഴ്സുകൾ വന്നതോടെയാണ് വിദ്യാർത്ഥിനികൾക്ക് താമസിക്കുന്നതിന് സർവകലാശാലയിൽ നിലവിലുള്ള വനിതാ ഹോസ്റ്റൽ മതിയാകാതെ വന്നത്.

960 ചതുരശ്ര മീറ്ററിൽ രണ്ട് നിലകളിലായി പണി കഴിപ്പിച്ച ഹോസ്റ്റലിൽ 54 വിദ്യാർത്ഥിനികൾക്ക് താമസ സൗകര്യമുണ്ട്. കപ്പിറ്റർ റൂം, റീഡിംഗ് റൂം, ഡൈനിംഗ് റൂം, വിശ്രമ മുറി തുടങ്ങിയ സൗകര്യങ്ങൾ ഹോസ്റ്റലിലുണ്ട്.

ബി.എസ്.എൻ.എൽ സിവിൽ എൻജിനീയറിംഗ് വിശിഷ്ടമായിരുന്നു ഹോസ്റ്റലിന്റെ നിർമ്മാണച്ചുമതല. ഉദ്ഘാടന ചടങ്ങിൽ വൈസ് ചാൻസലർ ഡോ. ബി. മധുസൂതനക്കുറുപ്പ് അധ്യക്ഷത വഹിക്കും.

Mathrubhumi (Feb 20, 2016)



KUFOS ladies hostel opened

SPECIAL CORRESPONDENT

KOCHI: Excise Minister K. Babu inaugurated a ladies hostel for postgraduate students at the Kerala University of Fisheries and Ocean Studies (KUFOS) here on Saturday.

The hostel, spread over 960 sq m, has the capacity to accommodate 54 students. It was

constructed utilising the plan fund of Rs.3 crore allocated by the government. The facility will be allotted to the students of MFSc, MSc, MBA, M.Tech., and LLM.

In his inaugural address, Mr. Babu said that the varsity has been allocated financial assistance for the construction of the sixth phase of the Academ-

ic Complex and for the setting up of brackishwater fish hatchery at Puduveypeen.

Flat complex

He also laid the foundation stone for a flat complex for the university employees. Vice Chancellor B. Madhusoodana Kurup presided over the function.

The Hindu (27 Feb, 2016)

ജലജീവികളുടെ വിസ്മയക്കാഴ്ചകളുമായി കുഫോസിൽ മുസിയം തുറന്നു

ജന്തുശാസ്ത്രശാസ്ത്രവിദ്യാലയത്തിൽ ജലജീവികളുടെ വിസ്മയകാഴ്ചകളുമായി കുഫോസിൽ മുസിയം തുറന്നു.

പ്രൊഫ. കെ. ബാബുവിന്റെ നേതൃത്വത്തിൽ കുഫോസിൽ മുസിയം തുറന്നു.

കുഫോസിൽ മുസിയം തുറന്നു. പ്രൊഫ. കെ. ബാബുവിന്റെ നേതൃത്വത്തിൽ കുഫോസിൽ മുസിയം തുറന്നു.

കുഫോസിൽ മുസിയം തുറന്നു. പ്രൊഫ. കെ. ബാബുവിന്റെ നേതൃത്വത്തിൽ കുഫോസിൽ മുസിയം തുറന്നു.



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Malayala Manorama (March 01, 2016)

ഇന്ത്യൻ സയൻസ് കോൺഗ്രസ് കൊച്ചി ചാപ്റ്ററിന് കുഫോസിൽ തുടക്കം

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ഇന്ത്യൻ സയൻസ് കോൺഗ്രസ് കോച്ചി ചാപ്റ്ററിന് കുഫോസിൽ തുടക്കം.



ഇന്ത്യൻ സയൻസ് കോൺഗ്രസ് കോച്ചി ചാപ്റ്ററിന് കുഫോസിൽ തുടക്കം.

ഇന്ത്യൻ സയൻസ് കോൺഗ്രസ് കോച്ചി ചാപ്റ്ററിന് കുഫോസിൽ തുടക്കം.

Mathrubhumi (March 29, 2018)

Convocation Held at Kufos

Express News Service

Kochi: As many as 224 students who passed the BFSc, MFSc, MSc, MBA, MTech, LLM and PhD programmes received degrees at the second convocation of the Kerala University of Fisheries and Ocean Studies (Kufos) held here on Friday.

Fisheries Minister K Babu, who is also Pro-vice-chancellor of the university, conferred degrees on the students, and presented medals to rank-holders. Clad in 'flowing' graduation gowns of various hues and mortar board caps, the students took the pledge to uphold the dignity of their profession.

An academic procession attended by the Pro-vice-chancellor; Vice-chancellor; chief guests; faculty deans; registrar; and members of the governing council, Senate and the Academic Council added colour to the ceremony. Delivering the presidential address, K Babu said the State Government would create innovative and research-oriented employment to attract professionals who pass out from fisheries institutions in the State.

The New Indian Express (01 March, 2016)



Running courses during the Academic year 2015-2016

Sl.No.	Name of the Course
1	B.FSc.
2	M.FSc. (Fish Nutrition and Feed Technology)
3	M.FSc. (Aquatic Animal Health Management)
4	M.FSc. (Fisheries Resource Management)
5	M.FSc. (Aquatic Environment Management)
6	M.FSc. (Fish Processing Technology)
7	M.FSc. (Fisheries Engineering Technology)
8	M.FSc. (Aquaculture)
9	M.Sc.(Physical Oceanography and Ocean Modelling)
10	M.Sc., (Marine Chemistry)
11	M.Sc., (Biological Oceanography and Biodiversity)
12	M.Sc. (Applied Geo Sciences)
13	M.Sc. (Food Science & Technology)
14	M.Sc. (Marine Microbiology and Marine Drugs)
15	M.Sc. (Biotechnology and Bioinformatics)
16	M.Sc. (Disaster Management)
17	M.Sc. (Statistics)
18	M.Sc. (Remote Sensing & GIS)
19	M.Tech. (Integrated Coastal Zone Management)
20	M.Tech. (Fishery Engineering)
21	M.Tech. (Coastal and Harbour Engineering)
22	M.Tech. (Ocean and Coastal Safety Engineering)
23	M.B.A.
25	M.B.A. (Energy Management)
26	LL.M (Maritime Law)



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