

## **Mandatory Disclosures (AICTE Guidelines)**

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### **Introduction**

Mandatory disclosure ensures transparency and accountability. Institutions must publish this information in their brochure and website. The responsibility for accuracy lies with the institution.

### **1. Institutional Details**

- Name of the institution: School Of Ocean Engineering And Underwater Technology

- Address with contact details: Panangad Road, Madavana, Junction, Kochi, Ernakulam, Kerala 682506

### **2. Leadership**

#### **VICE CHANCELOR**

Name	Prof. Dr. Biju Kumar. A.
Date of birth	28/05/1968
Unique Id	6704 3565 4135
Education Qualifications	MSc., MPhil., PhD (Aquatic Biology & Fisheries, University of Kerala)
Work experience	<ul style="list-style-type: none"><li>• Completed 10 years as Professor on 30.05.2023</li><li>• Administrative experience: 13 years (with multiple assignments, in government and University including as Head of the Dept.)</li><li>• Worked as Scientific Officer in State Committee on Science, Technology &amp; Environment (STEC), Govt. of Kerala, Sasthra Bhavan, Thiruvananthapuram-695 014, Kerala from 4.6.1998 to 3.6.2002. (On deputation for three years.)</li><li>• Worked as State Nodal Officer of National Green Corps, the school ecoclub scheme of Ministry of Environment and Forests, Government of India during the period 2001-2002.</li><li>• Worked as Principal Scientific Officer and Member Secretary (in-charge) of Kerala State Biodiversity Board from 28.04.2006 to 29.06.2007.</li><li>• Head of the Department, Dept. of Aquatic Biology and Fisheries, University of Kerala: April 2011 to April 2014; 19 January 2015 to 31 March 2018; 1st May 2019 (continuing) Assistant Director, Centre for Global Academics, University of Kerala (in charge of Semester-in India programme for students of USA) (2016-17);</li><li>• Director, Centre for Global Academics, University of Kerala (2017-2019)</li><li>• Served as Member, Senate, University of Kerala from 24.08.2011 to 23.10.2013; 7.08.2023 to 16.08.2025 (continuing)</li></ul>

	<ul style="list-style-type: none"> <li>• Director of Research, University of Kerala (December 2017 to March 2018)</li> <li>• Dean, Faculty of Science, University of Kerala (August 2017 to July 2019); September 2023- continuing</li> <li>• Director, Kerala University Technology Business Startup Centre (KUTBSC) (September 2019 to June 2020)</li> <li>• State Academic Director, National Children's Science Congress (Kerala State): 2018- (Continuing)</li> <li>• Vice Chairman, Credit and Semester System, University of Kerala (March 2019 to May 2023)</li> <li>• Coordinator, SATHI project, University of Kerala</li> </ul>
Teaching/ Research/ Industry/Others	<ul style="list-style-type: none"> <li>• Thirty years teaching experience in Zoology (UG and PG levels) and Aquatic Biology and Fisheries.</li> <li>• Worked as Lecturer in Zoology from 25.07.1994 to 26.07.1998, as Lecturer Senior Scale from 27.07.1998 to 24.07.2003, and as Lecturer Selection Grade from 25.07.2003 to 29.06.2007.</li> <li>• Joined Department of Aquatic Biology and Fisheries as lecturer on 30.06.2007 and promoted as Professor in 30.06.2013.</li> <li>• Guest Faculty, M.Phil. programme, Department of Computational Biology &amp; Bioinformatics, and M.Tech. programme, Dept. of Future Studies, University of Kerala</li> </ul>
Area of specialisation	Science (Aquatic Biology & Fisheries)
Papers published	<ul style="list-style-type: none"> <li>• In peer-reviewed journals: 230</li> <li>• In seminars/workshops, etc.: 164</li> <li>• Technical Documents/Reports: 8</li> <li>• Chapters in Books: 53</li> <li>• Edited Books: 31</li> <li>• Booklets: 5</li> <li>• Book Reviews: 2</li> <li>• Popular Articles: about 238 (One in Hindi and others in English and Malayalam)</li> </ul>
Books published	26 (20 in English and 6 in Malayalam)
Research Guidance	
Master (Completed/Ongoing)	21
PhD (Completed/Ongoing)	18 +7
Post Doctoral Fellows (Completed/Ongoing)	4 + 1
Projects carried out	<ul style="list-style-type: none"> <li>• Taxonomic Diversity, Venom Characterization, and Environmental Impacts of Jellyfish Blooms along Kerala Coast" supported by Kerala State Council for Science, Technology and Environment (In collaboration with Centre for Venom Informatics, Department of Computational Biology &amp; 7</li> <li>• Bioinformatics, University of Kerala) for a budget of Rs.</li> </ul>

	<p>23.556 lakhs. (Council (P) Order No. 766/2015/KSCSTE dated 4.12.2015) (Project period: 2015-17)</p> <ul style="list-style-type: none"> <li>• “Survey and Documentation of Coastal Biodiversity and Traditional Knowledge of Fishers and Traditional Knowledge: A Citizen Science Approach”- supported by University of Kerala (UO No. Ad AV/3232/UOK/dated 15.10.2020)</li> <li>• International Collaborative research project with with Lee Kong Chian Natural History Museum (LKCNHM), National University of Singapore (Project cost: US\$ 6000/-) titled “The Deep-Sea Decapod Crustaceans of Indian Seas: Taxonomy and Biogeography” [Order No. AD F1/Ac.D/186772019 dated 30/6/2021]</li> <li>• Microplastics and its chemical contamination in edible estuarine food fishes of Kerala, supported by the State Plan Grant (2022-23); Project cost: Rs. 300,000/-</li> <li>• Establishment of DNA Barcode Library for the Estuarine and Backwater Fishes of Kerala, supported by University of Kerala (Project cost: Rs. 800,000/- )</li> <li>• Project leader, project “ECO-MARINE: Building a Comprehensive Mechanism for Preserving Marine Ecosystems and Life from the negative consequences of Climate Change and the disposal of Plastic Debris” co-funded by the Erasmus + Programme of the European Union, with a financial support of 110,427 Euros (2022-24 period).</li> </ul>
Patents (Filed & granted)	-
Technology Transfer	-

### **REGISTRAR**

	<b>Name</b>	<b>Dr. K. DINESH</b>
	<b>Qualifications</b>	<ul style="list-style-type: none"> <li>• Pre-Degree from Christ College, Irinjalakuda, under Calicut University with 68% marks, securing First Class.</li> <li>• Bachelor of Fisheries Science (BFSc) from the College of Fisheries, Kerala Agricultural University with a CGPA of 7.0 and no classification.</li> <li>• Master of Fisheries Science (MFSc) from the College of Fisheries, Kerala Agricultural University with a CGPA of 8.3, securing First Class.</li> <li>• PhD from Mahatma Gandhi University</li> </ul>
	<b>Experiences</b>	<ol style="list-style-type: none"> <li>1. -Lecturer in Fisheries Science at GRFTHS, Thevara, with teaching responsibilities from 06/08/1998 to 20/04/1999 (8 months).</li> <li>2. Assistant Professor at the College of Fisheries, Panangad, handling teaching and research from 20/06/2002 to 19/06/2008 (6 years).</li> <li>3. Assistant Professor (Senior Scale) at the College of Fisheries, Panangad, with teaching and research duties from 20/06/2008 to 31/03/2010.</li> <li>4. Assistant Professor (Senior Scale) at Kerala University of Fisheries and Ocean Studies (KUFOS), Panangad, with teaching and research responsibilities from 01/04/2011 to 28/11/2011.</li> </ol>

		<ol style="list-style-type: none"> <li>5. Assistant Professor and Head at Fisheries Station, Pudukkottai, KUFOS, with responsibilities in administration, teaching, and research from 29/11/2011 to 21/05/2015.</li> <li>6. Associate Professor and Head at Fisheries Station, Pudukkottai, KUFOS, with responsibilities in administration, teaching, and research from 22/05/2015 to 05/06/2017.</li> <li>7. Head of the Department of Aquaculture at KUFOS with responsibilities in administration, teaching, and research from 06/06/2017 to the present.</li> <li>8. Technical Assistant at the College of Fisheries from 20/01/1998 to 06/08/1998 (8 months), and later as Senior Research Fellow at the same institution from 23/08/1999 to 22/08/2000 (1 year), undertaking research duties.</li> <li>9. Carried out extension activities corresponding to the same roles, institutions, and periods as listed under teaching positions.</li> <li>10. Served as General Manager at a private hatchery with overall administrative responsibility from 23/08/2000 to 19/06/2002 (20 months).</li> </ol>
	Specializations	Fisheries
	Publications	28
	Patents	
	Projects	19 Projects; Total out lay: >INR 7 Million

### **DEAN**

	Name	Dr. M K Sajeevan
	Qualifications	<ul style="list-style-type: none"> <li>-PhD in Marine Sciences, Cochin University of Science and technology, Cochin, Kerala</li> <li>-Master of Fisheries Science (M.F.Sc.) Kerala Agricultural University, Trichur, Kerala</li> <li>-Bachelor of Fisheries Science (B.F.Sc.) Kerala Agricultural University, Trichur, Kerala</li> </ul>
	Experiences	<ul style="list-style-type: none"> <li>-Supervisor (Research) in Energy conservation Programme, CIFNET, Kochi, Kerala, India</li> <li>-Production executive, Choice Canning Company, Kochi, Kerala, India</li> <li>-Lecturer in VHSE (Fisheries), Govt. F.T.H.S., Madappally, Calicut and Govt. R.F.T.H.S., Bepore, Calicut, Kerala, India</li> <li>-Jr. Fisheries Scientist, Fishery Survey of India, Govt. of India, Mumbai, India</li> <li>-Associate professor and Head, Department of Fishery Resource Management (FRM), KUFOS, Kochi (May 2018 – Current)</li> <li>-Professor and Head of the Department, FRM, KUFOS, Kochi, India</li> <li>-Dean, Faculty of Fisheries Engineering, KUFOS, Kochi, India (July 2023 – Current)</li> <li>-Director (i/c) of Extension, KUFOS, Kochi, India (May 2024 – Current)</li> <li>-Director (i/c) Public Relation and Publication, KUFOS, Kochi, India</li> </ul>
	Specializations	-Quality control management of fish and fishery products

		-Breeding and culture of Indigenous Ornamental Fishes of the Western Ghats
	Publications	<p>A total of 147 publications including 45 International/national peer-reviewed journals.</p> <ul style="list-style-type: none"> <li>• Sajeevan, M.K. V.S. Somvanshi and J.R. Nair. 2009. Deep-sea teleostean species diversity off the south-west coast of India. <i>Asian Fisheries science</i>, 22: 617-629.</li> <li>• Sajeevan, M.K and B. Madhusoodana Kurup, 2014. Osteological features of Cobia, <i>Rachycentroncanadum</i> (Linnaeus, 1766). <i>Journal of Ocean Science Foundation</i>, 11:40-49.</li> <li>• Sajeevan, M.K and B. Madhusoodana Kurup, 2014. Distribution and abundance of cobia, <i>Rachycentron canadum</i> (Linnaeus, 1766) occurring in Indian waters. <i>Asian Fisheries Science</i>, 27:274-285.</li> <li>• Sajeevan MK., &amp; Kurup, B. M. (2020). Maturity, spawning and feeding intensity of cobia <i>Rachycentron canadum</i> (Linnaeus, 1766) in northwest coast of India. <i>Iranian Journal of Fisheries Sciences</i>, 19(1), 31-44. <a href="https://doi.org/10.22092/ijfs.2019.118540">https://doi.org/10.22092/ijfs.2019.118540</a></li> <li>• Abinaya, R., &amp; Sajeevan, M. K (2022). Fishery Appraisal of Narrow-barred Spanish Mackerel <i>Scomberomorus commerson</i> (Lacepede 1800) Using Surplus Production Models From Tamil Nadu, India Waters. <i>Thalassas: An International Journal of Marine Sciences</i>, 1-12. <a href="https://doi.org/10.1007/s41208-022-00492-8">https://doi.org/10.1007/s41208-022-00492-8</a></li> <li>• Abinaya, R., &amp; Sajeevan, M. K (2022a). Stock status of giant catfish <i>Netumathalassina</i> (Rüppell, 1837) from Tamil Nadu, India waters. <i>Fisheries Management and Ecology</i>, 29(6): 822-832. <a href="https://doi.org/10.1111/fme.12583">https://doi.org/10.1111/fme.12583</a></li> <li>• Abinaya, R. and Sajeevan, M. K. (2022b). Stock assessment of sin croaker <i>Johniusdussumieri</i> (Cuvier, 1830) fishery by different production model approach from Tamil Nadu, southeast coast of India. <i>Turkish Journal of Fisheries and Aquatic Sciences</i>, 23, TRJFAS22465. <a href="https://doi.org/10.4194/TRJFAS22465">https://doi.org/10.4194/TRJFAS22465</a>.</li> <li>• Eldho, P. S., &amp; Sajeevan, M. K. (2022). Freshwater fishes of the Chimmony Wildlife Sanctuary, Western Ghats, India. <i>Journal of Threatened Taxa</i>, 14(6), 21190-21198. <a href="https://doi.org/10.11609/jott.7687.14.6.21190-21198">https://doi.org/10.11609/jott.7687.14.6.21190-21198</a></li> <li>• Chitra, M. C., Sajeevan, M. K., &amp; Sashidharan, A. (2022). Morphological Traits and Biochemical Composition of a Discard Species Crested Hairtail, <i>Tentoriceps cristatus</i> (Kluzinger, 1884) from Indian Waters. <i>Research Journal of Agricultural Sciences</i>: 13(5), 1554–1559.</li> <li>• Abinaya, R., &amp; Sajeevan, M. K. (2023). Stock status of kawakawa <i>Euthynnus affinis</i> (Cantor, 1849) fishery using surplus production model: An assessment from coastal waters of Tamil Nadu, Bay of Bengal, Southeast coast of India. <i>Aquaculture and Fisheries</i>. Available online 15 July 2023. <a href="https://doi.org/10.1016/j.aaf.2023.06.005">https://doi.org/10.1016/j.aaf.2023.06.005</a>.</li> <li>• Abinaya, R., Kanishkar, A., &amp; Sajeevan, M. K. (2024). Temporal variations in fish diversity, guild dynamics, and their association with environmental variables in a tropical estuary. <i>Environmental Monitoring and Assessment</i>, 196(1253), 19p.</li> <li>• Abinaya, R., Kantharajan, G., &amp; Sajeevan, M. K. (2025). Mapping of</li> </ul>

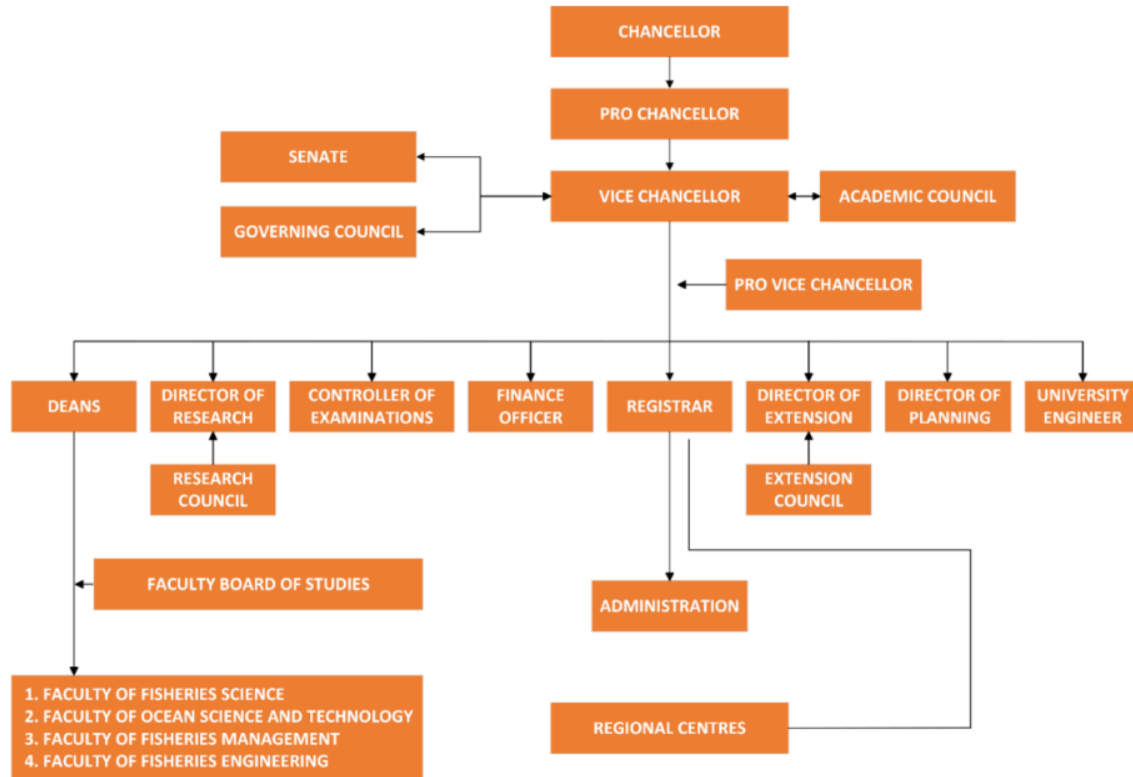
		<p>water spread dynamics of a tropical Ramsar wetland of India for conservation and management. Environmental Monitoring and Assessment, 197(2), 145.</p> <ul style="list-style-type: none"> <li>• Abinaya, R., Kanishkar, A., &amp; Sajeevan, M. K. (2025). Evaluation of spatio-temporal variation in fish fauna within the Point Calimere Marine Key Biodiversity Area, India. Environmental Monitoring and Assessment, 197(7), 1-24.</li> </ul> <p>POPULAR ARTICLE</p> <ul style="list-style-type: none"> <li>• Nirodhanathinte naanarthangal - Editorial article Kerala Kaumudhi 04/07/2024</li> <li>• Mathi oru cheriya meeen alla - Editorial article Kerala Kaumudhi 11/07/2024</li> <li>• Amaiyum chemeenum pinne American valaiyum - Editorial article Kerala Kaumudhi 19/07/2024</li> <li>• Kadal chemeen kayattumathi nirodhanam valiya nastam namak presnam theerkan vazhi indo- Editorial article Kerala Kaumudhi 12/08/2024</li> <li>• Kappal apakadam- Enna paada matsya meghalaiku bheeshani- Editorial article Kerala Kaumudhi 26/05/2025</li> <li>• Kappalukalum nammude meenum italian aparadhaiyum- Editorial article Kerala Kaumudhi 12/06/2025</li> <li>• Amerikkayude anyonya nikuthi- varachattiyil ninnu eritheeyilek - Editorial article Kerala Kaumudhi 10/08/2025</li> </ul>
	<p>Projects</p>	<p>-Biology, resource characteristics and assessment of deep sea finfishes and prawns in the depths zone 200-1200 m along southern and central Indian Ocean, CMLRE, Kochi. 2015-17, Co PI, Report to Central Govt, outlay 78.6 Lakhs.</p> <p>-Center for Taxonomy of aquatic animals, Plan project Govt. of Kerala, 5.6.15 to 13.09.2015, Principal Investigator, Report State Govt, Kerala, outlay 25 Lakhs.</p> <p>-Prof. Alikunjhi chair for sustainable aquaculture, Plan project Govt. of Kerala, June 2015-17, Co PI, Report State Govt, Kerala, outlay 40 Lakhs.</p> <p>-Centre for Indigenous knowledge of fisher folk looping traditional knowledge and science, Plan project Govt. of Kerala, 2015-2018, Principal Investigator, (Co PI. 5.6.15 to 13.09.2015), Report to State Govt, Kerala, outlay 25 Lakhs.</p> <p>-Systematic, Phylogeny, life history traits, distribution and stock assessment of cutlass fishes and snake mackerels occurring in Indian waters, Ministry of Earth Science, 2018-24, Principal Investigator, Report to Central Govt, outlay 90.4 Lakhs.</p>

#### 4. Affiliation

- Name of affiliating university: Kerala University of Fisheries and Ocean Studies (KUFOS)

#### 5. Governance

- Organizational chart



#### Governing council

##### 1. Ex-officio members

- I. The Vice Chancellor
- II. The Pro Vice Chancellor
- III. The Secretary to the Government, Fisheries Department or an officer not below the rank of Joint Secretary of the Fisheries Department nominated by him
- IV. The Secretary to the Government, Higher Education Department or an officer not below the rank of Joint Secretary of the Department of Higher Education, nominated by him
- V. The Secretary to the Government, Finance Department or an officer not below the rank of Joint Secretary of the Finance Department nominated by him
- VI. The Law Secretary or an officer not below the rank of Joint Secretary nominated by him

VII. A Dean of the University faculty; and their turn at each time shall be in the English alphabetical order of the Faculties.

1. The Dean, Faculty of Fisheries Management

VII Elected Members

1. Three person elected by single vote from among the Heads of Departments and Teachers of the University Faculty, of whom one shall be a woman-

a) Dr. Maya Raman, Associate Professor, Faculty of Ocean Science & Technology

b) Dr. Nevin K. G, Assistant Professor, Faculty of Ocean Science & Technology

c) Dr. Rameez Roshan P.M, Assistant Professor, Faculty of Fisheries Science

2. ii)One member elected by voting from the full-time regular students in the University

3. Ms. Thejaswini M., BTech Food Technology, 2022 Batch

2. Nominated Members

4. Three members of the Legislative Assembly, as nominated by the Government, of whom one shall be a woman:

a) Shri. K. N. Unnikrishnan, MLA

b) Shri. E. T. Taison Master, MLA

c) Smt. K. Santhakumari, MLA

5. One representative of the Director General of the Indian Council of Agricultural Research (ICAR)

6. Dr. Anupama Singh, Joint Director (Education), ICAR - IARI, New Delhi

7. One representative from fishing community having knowledge in the field of Fisheries and Marine Studies, nominated by the Government

8. Adv. P. S. Shaji, Puthupparakkalchira, Varanam P.O., Cherthala, Alappuzha

9. An Excellent Scientist in Ocean Studies, nominated by the Ministry of Earth Sciences

10. D. Balakrishnan T .M, Director, INCOIS

11. One representative of the Fishermen, nominated by the Government

12. Shri. A. Anirudhan, Swaralayam, Vallikkavu, Clappana P.O., Kollam

13. An academic from outside the University with expertise in the field of Fisheries, nominated by the Government and not below the rank of Professor

14. Professor (Dr.) M. Harikrishnan, Dept. of Industrial Fisheries, CUSAT, Kochi
15. One representative from the registered Fishermen Organization, nominated by the Government
16. Shri. Yesudas Parappilly, Parappilly House, Koonammavu P.O., Ernakulam - 683518
17. One representative from the Fisheries Industry, nominated by the Government
18. Shri. Alex K. Nainan, Vice President, Seafood Exporters Association of India
19. A woman social worker, nominated by the Government
20. Smt. C. S. Sujatha, Ex Member of Parliament, A G Bhavanam, Meenath, Vallikkunnam P.O., Alappuzha

**Academic council**

i	The Vice Chancellor – Chairperson
ii	Pro-Vice-Chancellor – Vice Chairperson
iii	The Dean of all faculties:
a	Dean, Faculty of Fisheries Science
b	Dean, Faculty of Ocean Science & Technology
c	Dean, Faculty of Fisheries Management
d	Dean, Faculty of Fisheries Engineering
iv	The Director of Research
v	The Director of Extension
vi	The Director of Fisheries or an officer not below the rank of Joint Director of the Department of Fisheries, nominated by him
vii	The Director of CMFRI or a representative not below the rank of Principal Scientist, nominated by him
viii	The Director of CIFT or a representative not below the rank of Principal Scientist, nominated by him
ix	The Director of NIO or a representative not below the rank of Principal Scientist, nominated by him

x	An eminent educationalist of Fisheries Science from outside the University: <b>Dr. Subhendu Kumar Otta, PhD,</b> <b>Principal Scientist &amp; Scientist-in-charge</b> <b>Aquatic Animal Health and Environment Division (AAHED),</b> <b>ICAR – CIBA, Chennai, Tamil Nadu – 600 028</b>
xi	An eminent educationalist of Ocean Studies from outside the University: <b>Dr. M.V. Ramana Murthy</b> <b>Director &amp; Scientist – G</b> <b>National Centre for Coastal Research (NCCR),</b> <b>Ministry of Earth Sciences, Govt. of India,</b> <b>Velacherry – Tambaram Main Road, Pallikaranai, Chennai – 600 100</b>
xii	One professor elected by vote: 1. <b>Dr. Girish Gopinath, Professor, Faculty of Ocean Science &amp; Technology</b> 2. <b>Dr. Radhika Rajashree S R, Professor, Faculty of Fisheries Science</b>
xiii	A graduate student elected by vote: <b>Shri. Aslam Jaseem</b> <b>(OET-2020-02-18)</b> <b>B.Tech 2020 Batch</b>
xiv	A postgraduate student elected by vote: <b>Shri. Sreenath KV</b> <b>(OST-2023-23-18)</b> <b>MSc Biotechnology- 2023 Batch</b>
xv	A research student elected by vote: <b>Ms. Chandana B L</b> <b>(AQC-2020-50-03)</b> <b>Ph.D Programme</b>

### **BOARD OF STUDIES**

Dr. Sudheer K.P.	Professor & Head, Department of Agricultural Engineering College of Agriculture, Vellanikkara
Dr. Beena	Professor and Head, Verghese Kurien Institute of Dairy and Food Technology , Mannuthy

Dr. Radhakrishna Panicker	Professor, School of Engineering Cochin University of Science and Technology Kochi - 682022
Dr. Ebanazer	Adjunct Faculty Department of Ship Technology Cochin University of Science and Technology Kochi - 682022
Dr. Sajeevan M K	Professor and Dean i/c, FFE, KUFOS
Dr. Unnikrishnan S	Asst Prof. and Head, Dept. of FSQA, FFE, KUFOS
Dr. Lakshmi E Jayachandran	Asst Prof., FFE KUFOS
Dr. Athul Krishna K R	Asst Prof., FFE KUFOS

**- Grievance redressal mechanisms**

Prof.(Rtd.) Dr. B Manojkumar is appointed as the Ombudsperson at University level.

Sl. No.	Constituency	Designation	Name
1	A Senior Professor of the University	Chairperson	Dr. Radhika Rajasree, Professor & Head, Dept. of Fish Processing Technology, Faculty of Fisheries Science
2	Dean, Student Welfare or equivalent, Two Principals drawn from the affiliating colleges, other than those connected with reports of CSGRC under review, to be nominated by the Vice Chancellor & One Professor of the University	Members	1. Dr. K Dinesh, Registrar 2. Dr. Radhika Rajasree, Professor & Head, Dept. of Fish Processing Technology, Faculty of Fisheries Science 3. Dr. Maya Raman, Associate Professor, Dept. of Food Science & Technology, Faculty of Ocean Science & Technology 4. Dr. Linoy C Libini, Assistant Professor & Head, Fisheries Station Puduveypu
3	A representative from among students of the college to be nominated by the Vice Chancellor based on academic merit/excellence in sports/performance in co-curricular activities	Special Invitee	Sri. Riyas Rahman P.K, PhD Scholar (FSM-2020-50-03), Faculty of Fisheries Science

- **Anti-ragging committee**

- **Internal committees (IC, SC/ST, IQAC, Equal Opportunity)**

## 6. Academic Programmes

- Approved and accredited programmes:

B.Tech Food Technology

M.Tech Food Technology

- **Course details (name, seats, duration, cut-off)**

Course	Name	Seats	Duration	Cut off
B.Tech	Food Technology	60	4 years	KEAM
M.Tech	Food Technology	30	3 years	GATE, NTA

- **Fee structure**

B.Tech Food Technology

Item	1st Semester	2nd, 4th, 6th & 8th Semesters	3rd, 5th & 7th Semesters	Total
Admission Fee	5000	0	0	5000
Caution Deposit (Refundable)	3000	0	0	3000
Tuition Fee (per semester)	35000	35000	35000	2,80,000
Special fee				
Library Fee (per semester)	500	500	500	4000
Stationery Fee (per semester)	500	500	500	4000
Athletic/Sports/Games fee (per semester)	250	250	250	2000
Association fee (per semester)	100	100	100	800
Magazine fee (per semester)	250	250	250	2000
University Union fee	250	250	250	2000

(per semester)				
Computer fee (per semester)	1000	1000	1000	8000
Insurance premium (annual)	210	0	210	840
Annual Subscription Fee - Neeradharam	100	0	100	400
Semester Examination fee	2000	2000	2000	16000
Total	48,160	39,850	40,160	3,28,040

### **M.Tech Food Technology (Food Safety and Quality Assurance) - Fee Structure**

Item	1st Semester	2nd Semester	3rd Semester	4th Semester	Total
Admission fee	5000	0	0	0	5000
Caution Deposit (refundable)	3000	0	0	0	3000
Tuition fee (per semester)	30500	30500	30500	30500	122000
Library fee (per semester)	500	500	500	500	2000
Stationery fee (per semester)	500	500	500	500	2000
Athletic/Sports/Games fee (per semester)	250	250	250	250	1000
Association fee (per semester)	100	100	100	100	400
Magazine fee (per semester)	250	250	250	250	1000
University Union fee (per semester)	250	250	250	250	1000
Computer fee (per semester)	1000	1000	1000	1000	4000

Insurance premium (annual)	210	0	210	0	420
Annual Subscription Fee - Neeradhan	100	0	100	0	200
Dissertation/Viva-voce	-	-	-	2000	2000
Semester Examination fee	2000	2000	2000	-	6000
Total	43660	35350	35660	35350	150020

## 7. Faculty

Department	Name of Faculty	Designation
Department of Food Process Technology	Dr. Maya Raman	Assoc. Professor
	Dr. Lakshmi E Jayachandran	Assistant Professor
	Er. Shilpa Philip	Assistant Professor (Guest)
	Dr. P T Mathew	Adjunct Faculty
Department of Food Safety and Quality Assurance	Dr. Unnikrishnan S	Assistant Professor
	Dr. Jenny Ann John	Assistant Professor
	Er. Bhavya Francis	Assistant Professor (Guest)
	Dr. Linu Salim	Assistant Professor (Guest)
	Ms. Anagha P Unnikrishnan	Assistant Professor (Guest)
	Dr. P T Mathew	Adjunct Professor (Adjunct)
Department of Food Process Engineering	Dr. Kiran Mohan	Assistant Professor
	Dr. Athul Krishna	Assistant Professor
	Er. Safeer S	Assistant Professor (Guest)
	Er. Rashida Rajuva	Assistant Professor (Guest)
	Er. Anjali S Menon	Assistant Professor (Guest)
	Er. Akhila K A	Assistant Professor (Guest)
Department of Food Business Management	Dr. Rajesh	Assistant Professor
Department of Food Plant Operations	Dr. Shyni K	Assistant Professor

## 8. Faculty Profile

1	Name of the Department	Department of Food Process Technology
	Name of the faculty	Dr. Maya Raman
	Qualifications	-B.Sc. (Botany) , University of Calicut, India. -M.Sc. (Industrial Fisheries), Cochin University of Science and Technology, India -Ph.D. (Fish Processing Technology), Cochin University of Science and Technology, India -Postdoctoral, Lund University, Sweden
	Experiences	-Technologist, M/s Koluthara Exports Limited, India -Assistant Professor, Department of Food Science and Technology, MACFAST, India -Research Officer, M/s Nitta Gelatin India Limited, India -Postdoctoral fellow, Lund University, Sweden -Women Scientist, Indian Institute of Technology-Madras, India -Project Associate, Indian Institute of Technology-Madras, India -Project Scientist, Centre of Excellence in Food Processing and Technology, Kerala University of Fisheries and Ocean Studies -Associate Professor (Food Science and Technology), Kerala University of Fisheries and Ocean Studies
	Specializations	-Executive Body Member, SOFT(I), ICAR-Central Institute of Fisheries Technology -Member of Local Project Advisory Member for the project “Menarche to Menopause: Health, -Nutrition and Metabolic Profile (OM SEED/I/WS/07/2017), submitted by Dr. Rashmi Poojara, St. Teresa’s College, Ernakulam, Kerala Associate Editor, Frontiers in Nutrition
	Publications	46 publications in journals, 4 books, 24 book chapters

2	Name of the Department	Department of Food Process Technology
	Name of the faculty	Dr. Lakshmi E Jayachandran
	Qualifications	-Ph. D. Food Process Engineering, IIT Kharagpur -M.Tech Food Process Engineering, IIT Kharagpur -B. Tech Agricultural Engineering, Kerala Agricultural University
	Experiences	- Institute of Chemical Technology Visiting Faculty, Department of Food Engineering & Technology - Training coordinator PMFME scheme Kerala Agricultural University
	Specializations	Food Packaging, Non thermal Processing Technologies
	Publications	1. Nithya, C., Sudheer, K. P., Abdullah, S., & <b>Jayachandran, L. E.</b> (2025). Enhancing juice yield and bioactive compounds in red dragon fruit juice through pulsed electric field and ultrasonic pre-treatments: process optimization and comparative evaluation. Food Chemistry, 146709.

	<ol style="list-style-type: none"> <li>2. Mathew, M., Dinakaran, A., <b>Jayachandran, L. E.</b>, &amp; Athiyathil, S. (2025). Thyme Oleoresin-Loaded Electrospun Porous Polylactic Acid Membranes for Enhanced Meat Preservation. Journal of Polymer Science.</li> <li>3. Surya Rajan, Sudheer K P, Sankalpa Kallahalli Boregowda, <b>Lakshmi E Jayachandran</b> and Abhishek S (2024). Pulsed light and retort processing of coconut inflorescence sap ( neera): Process optimization and storage stability. Food and Bioprocess Technology (Accepted)</li> <li>4. <b>Lakshmi E Jayachandran</b>, Sujayasree O J, &amp; Sudheer Kundukulangara Pulissery (2024). Pulsed light processing of sugarcane juice: quality evaluation and microbial load assessment. Journal of the Science of Food and Agriculture DOI: <a href="https://doi.org/10.1002/jsfa.13699">https://doi.org/10.1002/jsfa.13699</a>(I.F: 3.63)</li> <li>5. Saranya, S., Sudheer Kundukulangara Pulissery, Boregowda, S. K., <b>Lakshmi E Jayachandran</b>, Hridyesh Pandey , &amp; Abdullah, S. (2024). High pressure processing of jackfruit (<i>Artocarpus heterophyllus</i> L.) shreds: Quality prediction and response surface optimization. Journal of Food Science and Technology, 1-12. (I.F: 3.12)</li> <li>6. Kapil Jat, <b>Lakshmi E Jayachandran</b> &amp; P Srinivasa Rao (2023). Impact of temperature assisted ultrasonication on the quality attributes of beetroot (<i>Beta vulgaris</i> L.) juice. Journal of Food Process Engineering, e14329 (I.F: 3.00)</li> <li>7. Chandrakala Ravichandran, <b>Lakshmi E Jayachandran</b>, Anjineyulu Kothakota, Pandiselvam, R., &amp; Balasubramaniam, V. M. (2022). Influence of high-pressure pasteurization on nutritional, functional and rheological characteristics of fruit and vegetable juices and purees- an updated review. Food Control, 109516. (I.F: 6.65)</li> </ol>
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2	Name of the Department	Department of Food Process Technology
	Name of the faculty	Shilpa Philip
	Qualifications	M.Tech in Food Processing & Engineering Karunya University, Coimbatore (2018) B.Tech in Food Processing & Engineering Karunya University, Coimbatore (2016)
	Experiences	-Kerala University of Fisheries & Ocean Studies- Lecturer, India •03/2025 till present -Amal Jyothi Engineering College- Assistant Professor, India • Kerala University of Fisheries & Ocean Studies- Lecturer, India -Snehacharya Institute of Management & Technology - Assistant Professor, India • 02/2019- 07/2019
	Specializations	Food technology
	Publications	<ul style="list-style-type: none"> <li>• Shilpa Philip, Hozen Ricchie Rose A, Elizabeth Amudhini Stephen; Optimization Condition for Extraction of Rosemary Essential Oil by Response Surface Methodology: Best International Journals of Humanities, Arts, Medicine and Sciences. Volume 5, Issue 12, December 2017, 49 – 52.</li> <li>• Hozen Ricchie Rose A, Shilpa Philip, Elizabeth Amudhini Stephen:</li> </ul>

		Clarification of Carambola fruit juice using a Commercial Enzyme - Optimization of conditions in: Best International Journals of Humanities, Arts, Medicine and Sciences. Volume 5, Issue 12, December 2017, 59 – 64.
	Patents	
	Projects	

2	Name of the Department	
	Name of the faculty	Dr.P T Mathew
	Qualifications	<ul style="list-style-type: none"> <li>• M.Sc. Chemistry. University of Kerala.</li> <li>• Ph.D. Biochemistry. Faculty of Marine Sciences, Cochin University of Science and Technology.</li> <li>• ARS (Fish Processing Technology)</li> <li>• 10 National and International symposia were organized in CIFT Cochin</li> <li>• Nodal officer for NAIP (National Agriculture Innovation Project) of the Institute (World Bank funded project)</li> <li>• Nodal officer for NABL accreditation of Research Laboratories of the institute (National Board for Accreditation and Calibration Laboratories).</li> </ul>
	Experiences	<ul style="list-style-type: none"> <li>• Principal Scientist and Head of Division (Fish Processing), Central Institute of Fisheries Technology, Govt of India (ICAR) after 35 years of scientific service.</li> <li>• Research Associate in Project Design and Implementation focussing on Fish quality Assessment and Quality Assurance- funded by British Council- Natural Resources Institute at Chatham, Kent.</li> <li>•</li> </ul>
	Specializations	<ul style="list-style-type: none"> <li>• 35 years of research experience in Biochemistry, Fish processing Technology and Preservation of fish, Product development and quality assurance.</li> <li>• Experience in fish market design and supervision of construction of modern hygienic fish markets, Waste management in fisheries, Preparation of value added fishery products.</li> </ul>
	Publications	<ul style="list-style-type: none"> <li>• 90 papers in National and International Journals.</li> <li>• 5 books were edited.</li> </ul>

1	Name of the Department	Department of Food Safety and Quality Assurance
	Name of the faculty	Dr. Unnikrishnan S
	Qualifications	-Ph. D. Biotechnology, SCTIMST Trivandrum, India -M. Sc. Microbiology, MG University, Kottayam, India -B. Sc. Microbiology, Kannur University, India
	Experiences	-Postdoctoral Fellow, Stockholm, Sweden - Postdoctoral Research Assistant, University of Oxford, UK -Re-Entry Fellow (Equivalent to Assistant Professor), CUSAT, Kochi -Assistant Professor, KUFOS, Kochi (till date)
	Specializations	Microbiology, Teaching and Research
	Publications	<ol style="list-style-type: none"> <li>1. Krishnapriya Chandrababu, A Deepak,...., <b>Unnikrishnan Sivan</b>, et al., (2026) Chapter 19 - Advances in stem cell technologies using nanocomposite thin films <i>Nanoscale Thin Films for Biomedical Applications</i> 511-540</li> <li>2. Meera Menon TP, Anjana Unnikrishnan, Reba Elsa Sam, Mohammed Ashif, Jisnet George, Bins KC, <b>Unnikrishnan Sivan</b>, et al., (2025) Aluminium-Complexed Alginate Nanoparticles as an Adjuvant for Therapeutic Vaccine against Melanoma. <i>RSC Pharmaceutics</i>, DOI: <a href="https://doi.org/10.1039/D5PM00111K">10.1039/D5PM00111K</a></li> <li>3. Lailaja, V.P., Sumithra, T.G., Sharma, S.R.K. M. Ashif Mohammed, <b>Unnikrishnan Sivan et al.</b>, (2025) Tapping the untapped: type II L-asparaginase from marine crustacean-derived <i>Chryseomicrobium amylolyticum</i> as a potential bio better for blood cancer therapy. <i>Scientific Reports</i> <b>15</b>, 26759. (<b>Impact factor: 3.9</b>) DOI: <a href="https://doi.org/10.1038/s41598-025-08962-8">https://doi.org/10.1038/s41598-025-08962-8</a>.</li> <li>4. Dayamrita K K, Siddarthan V, Aneesa PA, Ayswaria Deepti, <b>Unnikrishnan Sivan et al.</b>, (2025) Remodelling the Gut Ecosystem: A Dysbiosis Model to Elucidate Gut-Organ Axis Dynamics in Mice. <i>Physiology &amp; Behavior</i> 299 115000. (<b>Impact factor: 2.5</b>) DOI: <a href="https://doi.org/10.1016/j.physbeh.2025.115000">https://doi.org/10.1016/j.physbeh.2025.115000</a></li> <li>5. Dayamrita K, Athira K, Krishnapriya C, Cyriac A, <b>Unnikrishnan Sivan et al.</b>, (2025) The Intricate Interplay: Microbial Metabolites and the Gut-Liver-Brain Axis in Parkinson's Disease. <i>Journal of Neuroscience Research</i> <b>103 (1)</b> e70016 (<b>Impact factor: 2.9</b>) DOI: <a href="https://doi.org/10.1002/jnr.70016">https://doi.org/10.1002/jnr.70016</a></li> <li>6. Bins K C, Sinoy Johnson, Hilmi Jauffer, Ajith Vengellur, <b>Unnikrishnan Sivan et al.</b>, (2024) Transcriptomic analysis of CNTF-treated mouse subventricular zone-derived neurosphere culture reveals key transcription factor genes related to adult neurogenesis. <i>Heliyon</i> <b>10 (19)</b> e38496 (<b>Impact factor: 3.4</b>) DOI: <a href="https://doi.org/10.1016/j.heliyon.2024.e38496">10.1016/j.heliyon.2024.e38496</a></li> <li>7. Sobhi Daniel, Ann Maria K Binu, KS Sunish, Jain Joy, <b>Unnikrishnan Sivan, et al.</b>, (2024) Synthesis of Novel Anticancer Drugs Derived from 4-nitrobenzaldehyde, and Investigation of Responsive Drug Delivery Systems Based on Carbon Quantum Dots. <i>ChemistrySelect</i> <b>9 (28)</b> e202400641 (<b>Impact factor: 1.9</b>) DOI: <a href="https://doi.org/10.1002/slct.202400641">https://doi.org/10.1002/slct.202400641</a></li> </ol>

		<p><a href="https://doi.org/10.1002/slct.202400641">https://doi.org/10.1002/slct.202400641</a></p> <ol style="list-style-type: none"> <li>8. M B Nguyen, P Flora, M C Branch, M Weber, X Y Zheng, <b>Unnikrishnan Sivan et al., (2024)</b> Tenascin-C expressing touch dome keratinocytes exhibit characteristics of all epidermal lineages. <i>Science Advances</i>, <b>10</b> (3) <i>eadi5791</i> (<b>Impact factor: 13.6</b>) <a href="https://doi.org/10.1126/sciadv.adi5791">DOI: 10.1126/sciadv.adi5791</a></li> <li>9. A Deepti, B K Chackochan, S Sadanandan, ....., <b>Unnikrishnan Sivan et al., (2024)</b> An easy and cost-effective method for the isolation and culturing of neural stem/progenitor cells from the subventricular (SVZ) and dentate gyrus (DG) of adult mouse brain. <i>Journal of Neuroscience Methods</i>, <b>404</b>, <i>110060</i> (<b>Impact factor: 3</b>). <a href="https://doi.org/10.1016/j.jneumeth.2024.110060">https://doi.org/10.1016/j.jneumeth.2024.110060</a></li> <li>10. K Chandrababu, V Radhakrishnan, AS Anjana, R Rajan, <b>Unnikrishnan Sivan et al., (2024)</b> Unravelling the Parkinson's puzzle, from medications and surgery to stem cells and genes: a comprehensive review of current and future management strategies. <i>Experimental Brain Research</i>, <b>242(1)</b>, <i>1-23</i>. (<b>Impact factor: 2</b>) <a href="https://doi.org/10.1007/s00221-023-06735-1">https://doi.org/10.1007/s00221-023-06735-1</a></li> <li>11. S Dhanasekaran, R Arunadevi, M Nandan, K Chandrababu, B Chakrapani, <b>Unnikrishnan Sivan (2024)</b> Animal Model for Alzheimer's Disease, Parkinson's Disease, and Schizophrenia. Book chapter in <b>Animal Models in Research</b> (Springer) <b>283-317</b>. <a href="https://doi.org/10.1007/978-981-97-0048-6_11">https://doi.org/10.1007/978-981-97-0048-6_11</a></li> <li>12. P Prakash, R Rajan, A Deepti, A Vengellur, <b>Unnikrishnan Sivan, et al., (2023)</b> Efficient Generation of Tyrosine Hydroxylase-Expressing Dopamine- Producing Neurons from Rat Peripheral Blood Progenitors Using a Combination of Growth Factors and Biomimetic Matrix. <i>Archives of Clinical and Biomedical Research</i> <b>7</b>, <i>191-206</i>. (<b>Impact factor: 3.1</b>)</li> <li>13. Junyu Chen, <b>Unnikrishnan Sivan*</b>, Sin Lih Tan et al., (2021) High-resolution 3D imaging uncovers organ-specific vascular control of tissue aging. <i>Science Advances</i> <b>2021</b>; <b>7</b> (6): <i>eabd7819</i>, <b>*Equal contributing first author</b> (<b>Impact factor: 13.6</b>)</li> <li>14. X Sun, A Are, <b>Unnikrishnan Sivan et al., (2020)</b> Coordinated hedgehog signaling induces new hair follicles in adult skin. <i>eLife</i> <b>9</b> <i>e46756</i> (<b>Impact factor: 7.080</b>)</li> <li>15. <b>Unnikrishnan Sivan</b>, Jessica De Angelis, Anjali P. Kusumbe. (2020). The Role of Vasculature in Cancer Stem Cell Niches. <i>Book chapter in Advances in Stem Cells and Their Niches</i> <b>ISSN 2468-5097</b>, <a href="https://doi.org/10.1016/bs.asn.2020.09.003">https://doi.org/10.1016/bs.asn.2020.09.003</a>.</li> <li>16. S Joost, K Annusver, T Jacob, X Sun, T Dassleri, <b>Unnikrishnan Sivan, et al., (2019)</b> The molecular anatomy of mouse skin during hair growth and rest. <i>Cell Stem Cell</i> (29) <i>1-17</i> (<b>Impact factor: 23.860</b>)</li> <li>17. <b>Unnikrishnan Sivan</b>, Jessica De Angelis, Anjali P. Kusumbe. (2019). Role of angiocrine signals in bone development, homeostasis and disease. <i>Open Biology</i> <b>9</b> (10), <i>190144</i> (<b>Impact factor: 4.930</b>)</li> <li>18. Reshmi R, <b>Unnikrishnan Sivan</b>, KV Krishnan, Lissy K K., (2017) Synthesis and characterization of silver nanoparticle incorporated gelatin-hydroxypropyl methacrylate hydrogels for</li> </ol>
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		<p>wound dressing applications. <i>Journal of Applied Polymer Science</i> <b>44529</b>: 1-9 (<b>Impact factor: 2.520</b>)</p> <p>19. <b>Unnikrishnan Sivan</b>, Jayakumar K, and Lissy K Krishnan,. (2016). Matrix-directed differentiation of adipose derived mesenchymal stem cells to dermal-like fibroblasts and deposit extra cellular matrix. <i>Journal of Tissue engineering and Regenerative Medicine</i> <b>10(10)</b>: 546-558 (<b>Impact factor: 3.078</b>)</p> <p>20. A Füllgrabe, A Are, S Joost, T Jacob, <b>Unnikrishnan Sivan</b>, <i>et al.</i>, (2015) Dynamics of Lgr6+ stem cells in the hair follicle, sebaceous gland and interfollicular epidermis. <i>Stem Cell Reports</i> <b>5(5)</b>: 843-855 (<b>Impact factor: 6.032</b>)</p> <p>21. <b>Unnikrishnan Sivan</b>, Jayakumar K, and Lissy Krishnan. (2014) Constitution of Fibrin-Based Niche for <i>In Vitro</i> Differentiation of Adipose-Derived Mesenchymal Stem Cells to Keratinocytes. <i>BioResearch open access</i> <b>3(6)</b>: 339-34 (<b>Impact factor: 2.75</b>)</p> <p>22. V.M. Ragaseema, <b>S. Unnikrishnan</b>, V. Kalliyana Krishnan, and Lissy K. Krishnan. (2012) The antithrombotic and antimicrobial properties of PEG-protected silver nanoparticle coated surfaces. <i>Biomaterials</i> <b>33(11)</b>: 3083-3092 (<b>Impact factor: 10.317</b>)</p>
	Patents	
	Projects	<p>-Progression of chronic pancreatitis to pancreatic cancer and the role of the vascular and neuronal niche in pancreatic stellate cell activation, Kerala State Council for Science -Technology and Environment (KSCSTE)</p> <p>-Role of neurons in the formation of metastatic and primary tumor Niches, Department of Health Research, Human Resource Development</p> <p>-Evaluations of plant- derived compounds for their properties and translational applications, AKAY Pvt. Ltd., Consultancy</p> <p>-Role of micro-niches in skin cancer initiation, Karolinska Institute Foundation Grant</p> <p>-Improving learning and memory in adult brain: A study on the role of Ciliary Neurotrophic factor, Council for Science - Technology and Environment (KSCSTE)</p>

2	Name of the Department	Department of Food Safety and Quality Assurance
	Name of the faculty	Jenny Ann John
	Qualifications	<p>-Postdoctoral Research Associate (Food Science), Memorial University of Newfoundland, St. John's, NL, Canada</p> <p>- Ph.D. (Dairy Technology), National Dairy Research Institute, Karnal, India.</p> <p>-M.Sc. (Food Technology), G.B. Pant University of Agriculture &amp; Technology, Pantnagar, India</p> <p>-P.G. Diploma (Food Analysis &amp; Quality Assurance), Defence Food Research Laboratory, Mysore, India</p> <p>- BSc. (Food Science &amp; Quality Control), Mahatma Gandhi University, Kerala, India</p>

	Experiences	<p>-Assistant Professor, Kerala University of Fisheries and Ocean Studies (KUFOS) till date.</p> <p>- Lecturer (MSc. Food and Dairy Biotechnology), Fatima Mata National College, Kollam, Kerala, India</p> <p>-Postdoctoral Research Assistant (I), Memorial University of Newfoundland, St. John's, NL, Canada</p>
	Specializations	<ul style="list-style-type: none"> <li>• Nutraceuticals and functional foods: bioactives from agricultural products, microalgae, their bioactivities; encapsulation</li> <li>• Fermented cereals and millets</li> <li>• Toxins in processed and raw foods and their mitigation</li> <li>• Natural food colours</li> <li>• Sustainable food packaging</li> </ul>
	Publications	<ul style="list-style-type: none"> <li>• Gayathry, K.S. &amp; Jenny John (2025). Banana by-products as an emerging and sustainable source of bioactive compounds – insights and applications. <i>Biomass Conversion and Biorefinery</i>. Springer Berlin Heidelberg, <a href="https://doi.org/10.1007/s13399-025-06891-0">https://doi.org/10.1007/s13399-025-06891-0</a>. (Springer, ISSN : 2190-6823, IF : 4.1)</li> <li>• Reenu George, Shilpa S., Limna Mol V.P., Jenny Ann John (2025). Combined freeze-thaw-ultrasound assisted method for the extraction of crude phycoerythrin from <i>Porphyridium cruentum</i>. <i>Journal of Applied Phycology</i>, <a href="https://doi.org/10.1007/s10811-025-03559-0">https://doi.org/10.1007/s10811-025-03559-0</a>.</li> <li>• Sajad Rehman, Gayathry K.S. &amp; Jenny Ann John (2025). 'Formulation and evaluation of buttermilk enriched with encapsulated banana pseudostem extract. <i>Croatian Journal of Food Science and Technology</i>, 17 (1):1-19. <a href="https://doi.org/10.17508/CJFST.2025.17.1.01">https://doi.org/10.17508/CJFST.2025.17.1.01</a></li> <li>• Gayathry, K.S. &amp; Jenny John (2024). 'Physical, Functional and Bioactive Properties of Microencapsulated Banana Pseudostem and Inflorescence Extracts' has been accepted for publication in the journal 'Food production, Processing and Nutrition' (BMC, ISSN: 2661-8974, Impact factor : 5.0).</li> <li>• Gayathry K.S. and Jenny Ann John (2023). Phenolic profile, antioxidant, and hypoglycaemic potential of pseudostem and inflorescence extracts of three banana cultivars. <i>Biomass Conversion and Biorefinery</i>. Springer Berlin Heidelberg, <a href="https://doi.org/10.1007/s13399-023-04970-8">https://doi.org/10.1007/s13399-023-04970-8</a>. (Springer, ISSN : 2190-6823, IF : 4.1)</li> <li>• George, Reenu &amp; John, Jenny (2022). Phycoerythrin as a potential natural colourant: A mini review. <i>International Journal of Food Science &amp; Technology</i>. pp. 513-519. <a href="https://doi.org/10.1111/ijfs.16229">https://doi.org/10.1111/ijfs.16229</a>. Impact factor 3.6</li> <li>• Gayathry K.S. and Jenny Ann John (2022). A Comprehensive review on bitter gourd (<i>Momordica charantia</i> L.) as a gold mine of functional bioactive components for therapeutic foods. <i>Food Production, Processing and Nutrition</i>, 4:10.</li> <li>• Varma, Kavya &amp; John, Jenny (2022). Cost-effective Approaches for Acrylamide Mitigation in High-Temperature-Processed Tuber Snacks. <i>Journal of Food Processing and Preservation</i>. 46. <a href="https://doi.org/10.1111/jfpp.17274">10.1111/jfpp.17274</a>. Impact factor 2.6</li> </ul>

		<ul style="list-style-type: none"> <li>• Kavya Varma and Jenny Ann John (2021). Acrylamide Mitigation Strategies in Indigenous Tuber Crop Snacks. ‘XV Agricultural Science Congress &amp; ASC Expo’ organized by National Academy of Agricultural Sciences and Banaras Hindu University at Institute of Agricultural Sciences, Banaras Hindu University, Varanasi from November 13-16, 2021.</li> <li>• Jenny Ann John and Bikash C. Ghosh (2021). Production of whey protein hydrolyzates and its incorporation into milk. Food Production, Processing and Nutrition, 3: 9. DOI: <a href="https://doi.org/10.1186/s43014-021-00055-z">https://doi.org/10.1186/s43014-021-00055-z</a></li> <li>• Gayathry K.S. and Jenny Ann John (2021). Functional beverages: Special focus on anti-diabetic potential. Journal of Food processing and Preservation, 45 (11): e15974. <a href="https://doi.org/10.1111/jfpp.15974">https://doi.org/10.1111/jfpp.15974</a></li> <li>• Amala Tony and Jenny Ann John (2021). Promising prospects of robotics in the food industry: A Review. Indian Food Industry, 3 (5) Sep-Oct: 38-41.</li> <li>• Archana Ravindran, Jenny Ann John, Sanu Jacob (2021). Nutritional, functional and shelf-life assessment of processed banana inflorescence (Musa paradisiaca). Journal of Postharvest Technology, 9 (2), 58-70.</li> <li>• Gayathry K.S. and Jenny Ann John (2021). Banana Pseudostem: Prospects of Value Addition. Kerala Karshakan, 8 (10): 42-47.</li> <li>• Jenny Ann John (2021). A peek into ‘Future foods’: Special emphasis on air protein and cultured meat. Food Tech Times. AFST(I) Newsletter, 1: 6.</li> <li>• Archana Ravindran and Jenny Ann John (2020). Processed banana inflorescence (Musa paradisiaca): Prospects as an ingredient if functional foods. Conference Proceedings in the International Web Conference on Food and Nutrition Security for Sustainable Public Health, Dept. of Food Science and Nutrition, Nehru Arts and Science College, Coimbatore. 22 nd -23 rd Oct, 2020, pp. 88-93. ISBN No. 978-93-80769-99-88.</li> <li>• Jenny Ann John (2020). Processed Foods: What is the purpose of food processing? (In Malayalam). Shasthragathi. January, 2020: 6-12.</li> <li>• Brown, N., John, J.A. &amp; Shahidi, F. (2019). Polyphenol composition and antioxidant potential of mint leaves. Food Production, Processing and Nutrition 1, 1</li> <li>• Jenny A. John and Fereidoon Shahidi (2019). Phenolic content, antioxidant and anti-Inflammatory activities of seeds and leaves of date palm (Phoenix dactylifera L.). Journal of Food Bioactives, 5: 120-130.</li> <li>• Chandrasekara, A., Rasek, O.A., John, J.A., Chandrasekara N., Shahidi, F. (2016). Solvent and Extraction Conditions Control the Assayable Phenolic Content and Antioxidant Activities of Seeds of Black Beans, Canola and Millet. Journal of American Oil Chemists Society, 93: 275-283.</li> <li>• Yi-Shiou Chiou, Jenny Ann John, Chi-Tang Ho, Min-Hsiung Pan, Fereidoon Shahidi (2016). Evaluation of chemopreventive effects in colitis-associated colon tumourigenesis and oral toxicity of the</li> </ul>
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		<p>lipophilic epigallocatechin gallate-docosaheptaenoic acid. <i>Journal of Functional Foods</i>, 24 (6): 48-56.</p> <ul style="list-style-type: none"> <li>• Albishi, T., John, J.A., Al-Khalifa, A.S. and Shahidi, F. (2013). Phenolic content and antioxidant activities of selected potato varieties and their processing by-products. <i>Journal of Functional Foods</i>, 5 (2): 590-600.</li> <li>• Albishi, T., John, J.A., Al-Khalifa, A.S. and Shahidi, F. (2013). Antioxidant, anti-inflammatory and DNA scission inhibitory activities of phenolic compounds in selected onion and potato varieties. <i>Journal of Functional Foods</i>, 5 (2): 930-939.</li> <li>• Albishi, T., John, J.A., Al-Khalifa, A.S. and Shahidi, F. (2013). Antioxidant phenolic constituents of skins of onion varieties and their activities. <i>Journal of Functional Foods</i>, 5 (3): 1191-1203.</li> <li>• Shahidi, F. and John, J.A. (2013). Oxidative rancidity in nuts. In, <i>Improving the safety and quality of nuts</i>. L. Harris (Ed.), A volume in Woodhead Publishing Series in Food Science, Technology and Nutrition, Chapter 9, pp. 198-229. ISBN: 978-0-85709-266-3</li> <li>• Shahidi, F. and John, J.A. (2010). Oxidation and protection of nuts and nut oils. In, <i>Oxidation in foods and beverages and antioxidant applications Volume 2: management in different industry sectors</i>. Eric A. Decker, Ryan J. Elias and D. Julian McClements (Eds.), Woodhead Publishing Limited, Vol.2, Chapter 8, pp. 274-305.</li> <li>• John, J.A. and Shahidi, F. (2010). Phenolic compounds and antioxidant activity of Brazil nut (<i>Bertholletia excelsa</i>). <i>Journal of Functional Foods</i>, 2 (3): 196-209. Hardcover ISBN: 9781845699833, Paperback ISBN: 9780081014578, eBook ISBN: 9780857090331</li> <li>• Samaranyaka, A.G.P., John, J.A. and Shahidi, F. (2008). Antioxidant activity of English walnut (<i>Juglans regia</i> L.). <i>Journal of Food Lipids</i>, 15 (3): 384-397.</li> <li>• Shahidi, F., Chandrasekara, A., John, J.A., Zhong, Y. and Pegg, R.B. (2008). Control of oxidation of cooked nitrite-free meats with novel ingredients. <i>International Congress of Meat Science and Technology Capetown, South Africa</i> (Poster presentation).</li> <li>• John, J.A. and Ghosh, B. C. (2008). Bitterness and its reduction in milk protein hydrolyzates, <i>Indian Dairyman</i>, 60 (1): 37-45.</li> <li>• Geetha, P., John, J.A. and Jayaraj Rao, K. (2006). Food Allergy – causes and remedies. <i>Indian Food Industry</i>, 25(3):59-65.</li> <li>• John, J.A. and Ghosh, B.C. (2006). Dietary enzymatic hydrolyzates of whey proteins with reduced bitterness. XXXV Dairy Industry Conference, Hyderabad, India (Poster presentation).</li> <li>• John, J.A. and Das, H. (2005). Value addition to fresh fruits and vegetables by the decontamination of pesticides. 17 th Indian Convention of Food Scientists and Technologists, ICFOST, CFTRI, Mysore, India (Paper presentation).</li> <li>• John, J.A. and Tyagi, S.M. (2003). Development of low fat paneer spread using fat replacers, 5th International Food Convention, Innovative Food Technologies and Quality Systems, CFTRI, Mysore, India (Poster presentation).</li> </ul> <p>#Book chapters</p> <ul style="list-style-type: none"> <li>• Jenny Ann John (2022). Meat Processing. In, Gopakumar K., Maya</li> </ul>
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		<p>Raman and Balagopal Gopakumar (Eds), Food Processing and Preservation Technology, Narendra Publishers, pp. 227-271. ISBN 978-93-91063-85-8.</p> <ul style="list-style-type: none"> <li>• K. Gopakumar and Jenny Ann John (2022). Fermented Milk Products. In, Gopakumar K., Maya Raman and Balagopal Gopakumar (Eds), Food Processing and Preservation Technology, Narendra Publishers, pp. 293-309. ISBN 978-93-91063-85-8.</li> <li>• Jacob, S., Fernandes, J., Prakash C., Raman M and Jenny Ann John (2022). Food Hazards and their management systems. In, Gopakumar K., Maya Raman and Balagopal Gopakumar (Eds), Food Processing and Preservation Technology, Narendra Publishers, pp. 679-702. ISBN 978-93-91063-85-8.</li> <li>• Jenny Ann John, Chinthu Udayarajan, Sanu Jacob and Jose Joseph (2024). Sensory Evaluation of Foods. In, Gopakumar K., T.V. Shankkar (Eds), Textbook of Fish Processing Technology, Published by Indian Council of Agricultural Research, New Delhi, 2nd Edition, pp.551-575. ISBN:978-81-7164-277-9.</li> </ul> <p>#Article published in magazines</p> <ul style="list-style-type: none"> <li>• Vrinda, P.R. and Jenny Ann John (2022). Camel milk: Nature's elixir for good health. The Food Tech Times, July –Sep., 2022, 4 : 12-13.</li> <li>• Reenu George and Jenny Ann John (2023). Microalgae as a potential solution for global food security.. The Food Tech Times, Jan – March., 2023, 6 : 8.</li> <li>• Safeetha H.M. and Jenny Ann John (2024). Advancing quality, efficiency and sustainability in rice processing through Artificial Intelligence and machine learning. Food Tech Times, July-Sep., 12:7</li> </ul>
	Patents	
	Projects	<p>-PI in two-year Industry-collaborated R&amp;D research project on 'Extraction and Stabilization of Microalgae Derived Red Pigment Phycoerythrin for Food Application', by the Ministry of Food Processing Industries, New Delhi (Rs.26.52 Lakhs) 2024-2026.</p> <p>-Faculty in the NPTEL-MOOC Course, 'Food Packaging', in collaboration with IIT Chennai (2023-2026).</p> <p>-KARP Research Project 2021-22 entitled "Antidiabetic Nanoformula based on banana pseudostem and inflorescence: Efficiency evaluation after encapsulation"</p>

3	Name of the Department	Department of Food Safety and Quality Assurance
	Name of the faculty	Dr. Soumya K R
	Qualifications	<p>PhD in Microbiology, School of Biosciences, Mahatma Gandhi University, Kottayam</p> <p>-MSc General Microbiology, Sree Sankara College, Kalady</p> <p>-BSc General Microbiology, Sree Sankara College, Kalady</p> <p>- CSIR-UGC NET</p>
	Experiences	-Microbiologist, Rivera Minerals- Packaged drinking Water Company,

	<p>Kakkanad</p> <ul style="list-style-type: none"> <li>-Junior Research Fellow, ICMR – ERP Project, School of Biosciences, Mahatma Gandhi University, Kottayam</li> <li>-Senior research Fellow(1yr) in ICMR Project, School of Biosciences, Mahatma Gandhi University, Kottayam</li> <li>-Academic coordinator, Merit Biolabs Pvt.Ltd</li> <li>-Senior Scientific Officer/Lab Manager (Thrissur Lab Head), Spice Health Pvt Ltd (COVID RTPCR Testing lab)</li> <li>- R &amp; D Head, Trophic Biosystems Pvt Ltd,</li> <li>- Assistant Professor, Sree Sankara College, Kalady</li> <li>- Empanelled guest Faculty, KUFOS, Kochi (till date)</li> </ul>
Specializations	<p>Research Teaching Clinical and Medical Microbiology</p>
Publications	<ol style="list-style-type: none"> <li>1. Soumya KR, Sheela Sugathan, Jyothis Mathew and EK Radhakrishnan. (2017) Zinc-oxide-Curcumin nanocomposite loaded collagen membrane as an effective material against methicillin resistant coagulase negative staphylococci, 3Biotech 7(4): 238</li> <li>2. Soumya KR , Suja Philip, Sheela Sugathan, Jyothis Mathew and Radhakrishnan EK (2017) Virulence factors associated with coagulase negative staphylococci isolated from human infections, 3 Biotech, 7(2):140.</li> <li>3. Rohini Sabu; Soumya K R, Radhakrishnan E K (2017) Endophytic Nocardiosis sp. from Zingiber officinale with both antiphytopathogenic mechanisms and antibiofilm activity against clinical isolates, 3 Biotech 7(2):115</li> <li>4. Soumya KR, Sheela Sugathan, Jyothis Mathew and Radhakrishnan EK (2016) Studies on coexistence of mec gene, IS256 and novel sasX gene among human clinical isolates of methicillin resistant coagulase negative staphylococci, 3Biotech, 6:233.</li> <li>5. Soumya KR, Shiji Mathew, Sheela Sugathan, Jyothis Mathew, Radhakrishnan EK (2016) Studies on prevalence of biofilm associated genes and primary observation on sasX gene in clinical isolates of Coagulase negative staphylococci APIMS, 124(4):319-26.</li> <li>6. Roshmi Thomas, Soumya KR, Jyothis Mathew, Radhakrishnan EK (2015) Inhibitory effect of silver nanoparticle fabricated urinary catheter on colonisation efficiency of Coagulase Negative Staphylococci. Journal of Photochemistry Photobiology B: biology 149: 68-77.</li> <li>7. Roshmi Thomas, Soumya KR, Jyothis Mathew, Radhakrishnan EK (2015) Electrospun polycaprolactone membrane incorporated with biosynthesized silver nanoparticles as effective wound dressing biomaterial. Applied Biochemistry and Biotechnology 176: 2213-2224.</li> <li>8. Roshmi Thomas, Soumya KR, Jyothis Mathew, Radhakrishnan EK (2015) Effect of biofabricated gold nanoparticle based antibiotic conjugates on minimum inhibitory concentration of bacterial isolates of clinical origin. Gold Bulletin 48: 63-71.</li> <li>9. Roshmi Thomas, Aswathi P. Nair, Soumya KR, Jyothis Mathew, Radhakrishnan EK (2014) Antibacterial activity and synergistic effect of biosynthesized AgNPs with antibiotics against multi drug resistant biofilm forming Coagulase Negative Staphylococci isolated from clinical samples. Applied Biochemistry and Biotechnology 173: 449-460.</li> <li>10. KR Soumya, Santhi Anna Thoma, Sheela Sugathan, Jyothis Mathew,</li> </ol>

	<p>EK Radhakrishnan (2013) Antibiotic susceptibility and multiplex PCR analysis of coagulase negative staphylococci isolated from laboratory workers. International Journal of Current Microbiology and Applied Sciences 2: 266-272.</p> <p>11. Soumya KR, Dhivya R, Sheela Sugathan, Jyothis Mathew, Jamespandi Annaraj and Radhakrishnan EK (2019) Role of Nanocurcumin as a Surface Modifying Agent with Excellent Preventive Effect on Device-Related CoNS Infections PNAS, India Biology</p> <p>12. Soumya KR, P Jishma, Sheela Sugathan, Jyothis Mathew and Radhakrishnan EK (2019) Biofilm Changes of Clinically Isolated Coagulase Negative Staphylococci PNAS, India Biology.</p> <p><b>Book chapter</b></p> <p>Soumya KR , Suja Philip, Sheela Sugathan, Jyothis Mathew and Radhakrishnan EK (2014) Mechanism behind the establishment of coagulase negative staphylococci as successful nosocomial pathogens. In: Microbial Biotechnology, Studium Press LCC.</p>
Patents	
Projects	

1	Name of the Department	Department of Food Process Engineering
	Name of the faculty	Dr. Kiran Mohan
	Qualifications	<p>-PhD in Mechanical Engineering; area of specialisation is in Human Factors Engineering from National Institute of Technology Calicut, 2022</p> <p>-M. Tech in Mechanical Engineering; area of specialisation is in Industrial Engineering and Management from National Institute of Technology Calicut</p> <p>-B. Tech in Mechanical Engineering from Government Engineering College, Kozhikode, 2010</p>
	Experiences	<p>-Assistant Professor, Department of Food Process Engineering, Faculty of Fisheries Engineering, Kerala University of Fisheries and Ocean Studies Kochi [Dec 2023- till date]</p> <p>-Junior Research Fellow [2013-2015], Senior Research Fellow [2015-2018] &amp; Assistant Professor (on contract) [2018-2021] – Department of Mechanical Engineering, National Institute of Technology Calicut</p> <p>-Postgraduate demonstrator: Regularly supervised practical sessions for undergraduate (UG) and postgraduate (PG) students.</p> <p>-Assisted in developing template-based exercise handouts for Industrial Engineering (PG Lab) and Management Science Laboratory (UG Lab).</p> <p>-Assisted the faculty in developing flipped methods of teaching aids and preparing resources for conducting lectures, tutorials, assignments, quizzes, and examinations.</p> <p>-Mentored students for courses: (1) Principles of Management, and Engineering Workshop (UG Students) (2) Inventory and Supply Chain Management, Manufacturing Planning and Control, Industrial Engineering lab, and Computation lab (PG Students).</p> <p>-Co-mentored several final year main projects in the area of human factors and ergonomics; B. Tech (1 No.), M. Tech (4 Nos.), and MBA (1 No.).</p> <p>-Industrial Engineering Consultant [2021-2023]</p>

		-Ergonomic assessment, process optimization, time–motion stu
	Specializations	-Pedagogical methods such as Flipped Classroom, e-learning tools, and templated approach -Ergonomics/Human Factors Engineering -Research Methodology and Statistics for Management -Project Management, Operations Management, Industrial Engineering and Operations Research, Supply Chain Management -Food Process Engineering
	Publications	-Kiran Mohan, V. Madhusudanan Pillai, Pujara Dhaval Jayendrakumar, Praveen Sankaran & Arun Chandramohan (2022) Video image-based posture assessment: an approach for dynamic working posture assessment, Theoretical Issues in Ergonomics Science, Vol. 23(6): 749-769 DOI: 10.1080/1463922X.2022.2036860 -Kiran Mohan, V. Madhusudanan Pillai, Pujara Dhaval Jayendrakumar, Praveen Sankaran (2021) Hand Tool Variants Selection Based on Posture Risk, Human Factors and Ergonomics Journal (HFEJ) 2021, Vol. 6 (2): 13 – 33. Book Chapters -Kiran Mohan, V Madhusudanan Pillai, Abhinav S, Amal Sunny, Rohith Raj O R, Vishnu V Kumar, Abishek S and Vahid Mohammad, (2022), “Modelling of Work-related Health Disorders among Women Agricultural Workers”, Technology-Enabled Work-System Design. Springer, Proceedings of Humanizing Work and Work Environment 2018. -Kiran Mohan, V Madhusudanan Pillai, Abhinav S, Amal Sunny, Rohith Raj O R, Vishnu V Kumar, Abishek S and Vahid Mohammad, 'User-Oriented Subjective Ergonomic Evaluation for Work-related Disorders: A Review', Ergonomics for Improved Productivity, Proceedings of Humanizing Work and Work Environment 2017, Springer
	Patents	
	Projects	

2	Name of the Department	Department of Food Process Engineering
	Name of the faculty	Safeer S S
	Qualifications	<ul style="list-style-type: none"> <li>• MTech in Production engineering, Government Engineering College, Thrissur</li> <li>• BTech in Mechanical Engineering, College of Engineering and Management, Punnapra</li> </ul>
	Experiences	Empanelled Guest faculty at KUFOS Kochi, till date
	Specializations	Mechanical engineering
	Publications	1

3	Name of the Department	Department of Food Process Engineering
	Name of the	Rashida Rajuva T A

	faculty	
	Qualifications	<ul style="list-style-type: none"> <li>• BTech in Agricultural Engineering, Kerala Agricultural University, Mannuthy</li> <li>• MTech in Food Engineering, University of Agricultural Sciences, Raichur</li> </ul>
	Experiences	<ul style="list-style-type: none"> <li>• Worked as empaneled guest faculty, for BTech Food Technology students, Faculty of Fisheries Engineering, KUFOS, Kochi (2021-2024 January 18th)</li> <li>• Worked as Assistant Professor, for BTech Food Technology students, School of Ocean Engineering and Under Water Technology, KUFOS, Kochi (2018-2021)</li> <li>• Worked as Project Scientist, Centre for Advanced Studies and Research in Entrepreneurship Development, KUFOS, Kochi, Kerala (2017-2018)</li> <li>• Worked as Food Technologist at Pineapple Research station, Vazhakulam, under Kerala Agricultural University, Mannuthy, Thrissur (2014-2017)</li> <li>• Worked as Research Assistant at Agricultural Research Station, Mannuthy, under Kerala Agricultural University, Mannuthy, Thrissur (2011-6 months)</li> </ul>
	Specializations	<ul style="list-style-type: none"> <li>• Food processing, Food Microbiology, Food Quality and Safety Analysis and Sensory Evaluation Techniques</li> </ul>
	Publications	<ul style="list-style-type: none"> <li>• Physico chemical, textural and sensory properties of muffins fortified with wheat grass powder. Karnataka J. Agric. Sci., 28(1): (79-82) 2015</li> <li>• Effects of Wheat Grass Powder Incorporation on Physiochemical Properties of Muffins. International Journal 1.DOI:10.1080/10942912.2014.908389 of Food properties, 00:12015</li> <li>• Chapter named Designer Functional Foods in book named Innovations In Agricultural And Biological Engineering Edited by DR. MEGH R. GOYAL and Dr.PP Joy, Published by Apple Academic Press, Inc, USA 2018</li> <li>• Chapter named Pineapple as Functional Food in book named Innovations In Agricultural And Biological Engineering Edited by DR. MEGH R. GOYAL and Dr.PP Joy, Published by Apple Academic Press, Inc, USA 2018</li> <li>• Chapter named Passion Fruit: A Promising Functional Food in book named Innovations In Agricultural And Biological Engineering Edited by DR. MEGH R. GOYAL and Dr.PP Joy, Published by Apple Academic Press, Inc, USA 2018</li> <li>• Chapter named Passion Fruit: A Promising Functional Food in book named Innovations In Agricultural And Biological Engineering Edited by DR. MEGH R. GOYAL and Dr.PP Joy, Published by Apple Academic Press, Inc, USA 2018</li> <li>• Chapter named Pistachio : An Elite Nutritional Food in book named Innovations In Agricultural And Biological Engineering Edited by DR. MEGH R. GOYAL and Dr.PP Joy, Published by Apple Academic Press, Inc, USA 2018</li> <li>• Chapter named Vitamin C: A Miracle Functional Ingredient in book</li> </ul>

		<p>named Innovations In Agricultural And Biological Engineering Edited by DR. MEGH R. GOYAL and Dr.PP Joy, Published by Apple Academic Press, Inc, USA 2018</p> <ul style="list-style-type: none"> <li>• Chapter named Fenugreek (Trigonella foenum-graecum): A Miraculous Functional Herb in book named Innovations In Agricultural And Biological Engineering Edited by DR. MEGH R. GOYAL and Dr.PP Joy, Published by Apple Academic Press, Inc, USA 2018</li> <li>• Chapter named Fruits as a Functional Food in book named Innovations In Agricultural And Biological Engineering Edited by DR. MEGH R. GOYAL and Dr.PP Joy, Published by Apple Academic Press, Inc, USA 2018</li> <li>• Chapter named Non Thermal Processing Of Foods: Pulsed Electric Fields, Pulsed Light, Ionizing Radiation and High Hydrostatic Pressure in book named Innovations In Agricultural And Biological Engineering Edited by DR. MEGH R. GOYAL and Dr.PP Joy, Published by Apple Academic Press, Inc, USA 2018</li> </ul>
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4	Name of the Department	Department of Ocean Engineering
	Name of the faculty	Dr. Athul Krishna K R
	Qualifications	-Ph.D, National Institute of Technology Karnataka (NITK), Surathkal, India -MTech in Coastal and Harbour Engineering, Kerala University of Fisheries and Ocean Studies (KUFOS), Panangad, Kochi, India -B Tech in Civil Engineering, Federal Institute of Science and Technology (FISAT), Angamaly, Kochi, Kerala, India
	Experiences	Served as mentor and advisor to the top ten candidates who were granted humanitarian visas to attend the International Space Camp 2024 at the Yu. A. Gagarin Research & Test Cosmonaut Training Center (GCTC) in Moscow, Russia. Provided them the preparation, support, and strategic guidance, empowering them to excel and represent India honorably at this esteemed international event. Acted as Presiding Officer in the 2024 Indian Lok Sabha General Election, in a committed team of four members, including three polling officers. Election procedures were respected and polling operations ran successfully and legally.
	Specializations	Ocean Engineering
	Publications	Varghese, A., Athul Krishna, K.R. and Karmakar, D., (2024). "Wave Attenuation due to Stratified Porous Structure with Stepped Seabed". Journal of Marine Science and Application, pp.1-23. <a href="https://doi.org/10.1007/s11804-024-00407-4">https://doi.org/10.1007/s11804-024-00407-4</a> K.R Athul Krishna, Abhishek G Karaseeri and D. Karmakar (2022). "Oblique wave propagation through composite permeable porous structure". Marine Systems, and Ocean Technology. <a href="https://doi.org/10.1007/s40868-022-00122-1">https://doi.org/10.1007/s40868-022-00122-1</a> . K.R Athul Krishna, Khansa Abdulla and D. Karmakar (2022). "Dissipation of

	<p>gravity waves due to submerged porous plate coupled with porous structures”, Journal of Offshore Mechanics and Arctic Engineering <a href="https://doi.org/10.1115/1.4055702">https://doi.org/10.1115/1.4055702</a>.</p> <p>Sreebhadra, M.N., Krishna, K.A. and Karmakar, D., (2022). “Wave trapping due to composite pile-rock structure coupled with vertical barrier”. Proceedings of the Institution of Mechanical Engineers, Part M: Journal of Engineering for the Maritime Environment. <a href="https://doi.org/10.1177/14750902221112712">https://doi.org/10.1177/14750902221112712</a></p> <p>Abhishek G Karaseeri, K.R. Athul krishna and D. Karmakar (2020) “Wave Transformation Due to Stratified Porous Structure and Vertical Barrier”. Proceedings of the 2nd international conference on recent advances in fluid and thermal sciences (icraft 2020). <a href="https://doi.org/10.1063/5.0127787">https://doi.org/10.1063/5.0127787</a></p> <p>Athul Krishna, K.R., Abdulla, K. and Karmakar, D., (2023). “Wave Energy Damping due to Coupled Porous Structure and Submerged Porous Plate”. Journal of Marine Science and Application, 22(3), pp.456-474. <a href="https://doi.org/10.1007/s11804-023-00346-6">https://doi.org/10.1007/s11804-023-00346-6</a></p> <p>Krishna, K.A., Venkateswarlu, V. and Karmakar, D., (2019). Wave Transformation Due to a Submerged Porous Block Associated with a Vertical Barrier. In International Conference on Asian and Pacific Coasts (pp. 717-724). Springer, Singapore. <a href="https://doi.org/10.1007/978-981-15-0291-0_98">https://doi.org/10.1007/978-981-15-0291-0_98</a>.</p>
	Patents
	Projects
	Siltation and Tranquility Study of Chellanam Harbour Breakwater Under KUFOS-KARP Project

1	Name of the Department	Department of Food Plant Operations
	Name of the faculty	Dr.Shyni K
	Qualifications	-PhD in Marine Science from Cochin University of Science And Technology, Kochi -Master of Fisheries Science (M.F.Sc.) Kerala Agricultural University, Trichur, Kerala -Bachelor of Fisheries Science (B.F.Sc.) Kerala Agricultural University, Trichur, Kerala
	Experiences	-Research Fellow at CIFT Cochin Assistant Professor in Fish Processing Technology in Fish Processing Technology in the Dept. of Fish Processing Technology, KUFOS
	Specializations	-Fish Processing Technology -Seafood preservation techniques, -Seafood value addition, -Seafood waste valorization, -Low temperature preservation techniques for seafood
	Publications	9 international, 3 national publications in peer-reviewed journals, 4 book chapters with international publishers
	Patents	
	Projects	-DBT Project “Isolation and characterization of collagen and gelatin from aquatic sources and development of food grade and pharmaceutical products of commercial importance” -Department of centre for marine living resources and ecology (CMLRE)

	Project “Extraction and purification of marine biomolecules and their derivatives for nutritional and industrial applications”
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2	Name of the Department	Department of Business Administration and Management,
	Name of the faculty	Dr RAJESH.K
	Qualifications	<ul style="list-style-type: none"> <li>- PhD in Economics (2010) from Cochin University of Science and Technology. (Thesis entitled as ‘Coastal Tourism in Kerala: Its Impact on Economy and Environment’)</li> <li>- Qualified the National Eligibility Test i.e., UGC/NET (June 2005) in Economics</li> <li>- Masters in Economics (1998-2000) from Central University of Hyderabad, Andhra Pradesh</li> </ul>
	Experiences	<p>-Working as an Assistant Professor, at the Department of Business Administration and Management, Kerala University of Fisheries and Ocean Studies (KUFOS), Panagad, Kochi, since 3<sup>rd</sup> May 2019 to till date.</p> <p>-Worked as an Assistant Professor at St.Aloysius College, Thrissur, Kerala, from 13<sup>th</sup> July 2012 to 2<sup>nd</sup> May 2019</p> <p>-Worked as a Scientist A (Economics) at Rubber Board (under the Ministry of Commerce), Kottayam, from 18<sup>th</sup> January 2012 to July 12<sup>th</sup> 2012.</p> <p>-Worked as an Assistant Professor (FIP vacancy) at St.Aloysius College, Thrissur, from 2<sup>nd</sup> August 2010 to 17<sup>th</sup> January 2012.</p> <p>-Worked as Guest Lecturer at the School of Industrial Fisheries from 29<sup>th</sup> December, 2009 to 27<sup>th</sup> March 2010 and taught the course “Economics of Fisheries Management” in the 4<sup>th</sup> Semester MSc Industrial Fisheries.</p> <p>-Worked as a Faculty Member at ICFAI National College (MBA program), Thrissur from December 1, 2004 to July 31<sup>st</sup>, 2009.</p> <p><b><u>RESEARCH EXPERIENCE</u></b></p> <p>-Completed a UGC Minor Project on “Impact of Mahatma Gandhi National Rural Employment Program on Rural Livelihood and Agriculture Sector of Adat Grama Panchayat” during (2014-15)</p> <p>-Research Assistant in an evaluative study on ‘BRGF in Palakkad and Wayanad’ sponsored by Kerala Institute for Local Administration (KILA), Thrissur. (January 2010-11)</p> <p>-Three years of research experience as a Project Fellow (2000-2003) in a UGC funded project entitled “Coastal Zone Management in Kerala -a study of Political Economy of Sustainable Development” at the School of Industrial Fisheries of Marine Science, Cochin University of Science and Technology.</p>
	Specializations	
	Publications	<p>Roy, A. R., &amp; Kenoth, R. (2025). <i>Accessible tourism: A retrospective using bibliometric analysis</i>. <b>Journal of Hospitality Application &amp; Research</b>, 20(2), 1–?. <a href="https://doi.org/10.21863/johar/2025.20.2.001">https://doi.org/10.21863/johar/2025.20.2.001</a></p> <p>‘Retrospection of Break the Chain Campaign of Kerala through the Lends of Nudging’, NIU International Journal of Human Rights, (UGC Care, ISSN: 2394-0298, Vol.9, 2022, with Stalin A.)</p> <p>Book review on Urban governance and Local Democracy in South India by Anil Kumar Vaddiraju, Review of Development and Change, Sage</p>

		<p>Publications, (UGC CARE, ISSN: 0972-2661, 27(2), pp.289-292)</p> <p>‘Establishing the scope of the Live Fish Trade in Kerala with insights from Stakeholders’, Journal of the Asiatic Society of Mumbai (UGC CARE, ISSN: 0972-0766, Vol.96, No.10, November 2022)</p> <p>‘Perception of food delivery apps among consumers in Central Kerala: An empirical study’, Journal of Food, Agriculture and Environment (UGC CARE, Vol.19 (2):2022, with K.P.Jiji)</p> <p>‘An Empirical Examination of Consumer Perception of Food Delivery Apps Through Technology Acceptance Model’, Webology (UGC CARE : ISSN:1735-188X), Vol 19, No.2, 2022, (with K.P.Jiji)</p>
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## 9. Fee Details

### - Fee waivers and scholarships

Post-graduate and Ph.D students are being awarded the Kerala University of Fisheries and Ocean Studies Merit Scholarship and KUFOS Fellowship according to their eligibility. The main object of the fellowship is to give financial assistance and incentive to all the eligible Post-graduate students, who are taking their thesis problem as part of the University Research Programme, irrespective of their nativity.

**KUFOS FELLOWSHIPS:** Meritorious students admitted to the Master’s Degree Programme in the Kerala University of Fisheries and Ocean Studies is eligible for the Junior Fellowship. Meritorious candidates admitted to Ph.D programme are eligible for the Senior Fellowship. Students in receipt of any other scholarship, fellowship or financial assistance from any other source during the period will not be considered for the award of KUFOS fellowships. The University offers five fellowships each for Post graduate and Ph.D students from each School. Junior fellowship is Rs. 2,000/- per month and Senior Research fellowship is Rs. 13,000/- per month.

**MANAPPURAM FOUNDATION SCHOLARSHIP:** Three students from the general category and three belonging to fisherman community undergoing MBA programme are eligible to receive the Manappuram Foundation scholarship. The amount of scholarship is Rs 4000/-per month. This scholarship will be awarded to eligible students in each semester.

## 10. Admission

- Seats, categories, applications

## 11. Admission Procedure

- Entrance tests and schedule

Admission to the 4-year B.Tech Food Technology program (48-50 seats) at KUFOS for 2026 is based on the **Kerala Engineering Agriculture Medical (KEAM)** rank. Applicants must pass 10+2 with 50% aggregate in Physics, Chemistry, and Mathematics/Biology. Applications are submitted online,

- Fee refund policy

## 12. Admission Results

- Selected candidates and waiting list

## 13. Infrastructure

Infrastructure and other resources

iii.) Laboratories

### Department-wise functional laboratories established

Sl.No.	Name of the Programme	Functional Laboratories
1.	Food Process Technology	Dairy Technology Lab
		Fruit Processing Line
		Sensory lab
		Food Analysis Lab
		Food Packaging Lab
		Bakery Line
		Meat and Fish Processing Line (Keema line)
		Food Science Lab
		Food Technology Lab
2.	Food Safety and Quality Assurance	Molecular Biology Lab
		Microbiology Lab
		Microbiology PG and PhD Research lab

3.	Food Process Engineering	Heat and Mass Transfer Lab
		Fluid Mechanics Lab
		Unit Operations Lab
		Mechanical Workshop
		Drawing Hall
		Instrumentation and Process Control Lab
		Electrical and Electronics Engineering
4.	Food Buisness Management	Language Lab
		Computer Lab
		Personality Development Lab
		Technology Transfer Lab/Prototype Lab
5.	Food Plant Operations	ELP Lab
		Modular Kitchen
		Amenity centre Model Fish Sales Outlet

### List of important equipment available in the department

<b>Centre of excellence in Food Processing and Packaging Technology</b>	
1. Incubator	30. Automatic Nitrogen Distillation System
2. Hot Air Gun	31. Automatic Macro Block Digestion System
3. Hot Air Oven	32. Vortex Mixer
4. Tray dryer	33. Scrubber system
5. Rotary Vacuum evaporator	34. Automatic Solvent Extraction System
6. Distillation Unit	35. Automatic Fibre Estimation System
7. OTG	36. Food Texture Analyzer
8. Refrigerator (182 L)	37. Colourimeter
9. Refrigerator (255 L)	38. Weighing Balance
10. Vacuum Pump	39. Homogenizer
11. Electronic weighing Balance	

12. pH Meter	40. Induction Sealing Machine
13. Water Bath	41. Micro Wave Oven
14. Liquid Smoke Production Unit	42. Compression Testing Machine
15. Spectrophotometer	43. Deep Freezer
16. Bench Top centrifuge	44. Water Activity Meter
17. Muffle Furnace	45. Pulverizer
18. HandRefractometer	46. Hot Air Oven
19. Printer	47. FTIR
20. Digital Anemometer	48. Rotor for Bench top centrifuge
21. Induction	49. Ultrasonic Bath Sonicator
22. Barbeque Oven Stand	50. Shrink Packaging Machine
23. Grinder	51. Weighing Balance (2 nos)
24. Gas stove	52. PCR Cabinet
25. Gas cylinder (19 kg)	53. Horizontal Chest Freezer (2 nos)
26. Batter and Breeding Machine	54. Shaking Incubator
27. Shaking Incubator	55. Vortex Mixer
28. Magnetic Stirrer with hot plate	
29. Laminar Air Flow	

<b>Dairy technology lab</b>	
1. Spray dryer	5. Ice cream freezer
2. Freeze dryer	6. Ultrasonicator
3. Oven dryer	7. IR moisture analyser
4. Cabinet dryer	8. Rotary evaporator
	9. OTG
<b>Post harvest engineering</b>	
1. Texture analyser	4. Oil expeller
2. Spiral separator	5. Mini rice mill
3. Cryogenic grinder	6. Pasta extruder
	7. Cabinet dryer
<b>Microbiology lab</b>	
Microscope, Centrifuge, Bacteriological incubator, Autoclave, Hot air oven, Biosafety cabinet, Incubator shaker	
<b>Central Instrumentation Facility</b>	
1. Ultracentrifuge	
2. GC-MS	
3. HPLC	
4. Particle size analyser	

#### **x. College library (digital)**

The Library is located at the western campus of the University at Madavana Junction adjacent to Cochin Alappuzha Highway. The two storied building has a total plinth area of 10,000 square feet. The library has acquired all basic Hardware & Software systems essential for a modern Library and Information services, with financial assistance of ICAR and other Agencies. The library also provides Wi-Fi facility through which library clientele can connect their laptops and other smart devices to access e-resources.

#### **Document Resources**

The collection of information resources in print and electronic media covers all subjects in the thrust areas of the University plus subjects of general interest. Documentary resources include a collection of Books- 20900 Nos., Current Online Journals – 4000+ Current Indian journals – 95, DDM special collection of rare documents-810, FAO Publication on Fisheries -1050, Bound Volumes– 1200, Reports– 600, Standards and Specifications- 150, Newspapers -10, CD ROM databases -200.

#### **ix. Hostel Facilities**

**UG Ladies Hostel:** The Vembanad Ladies Hostel for under graduate students is a three storied building constructed in 2010. The total area of the building is 2892 Sq m and the total intake is 213 students. There are 57 rooms in the hostel including Assistant Warden's Room, Computer Room, Matron's Room, Mess and Mess Workers' Room. Per room four students can be accommodated in 47 hostel rooms and three students/ room in two rooms. In addition to this there is a dormitory with an intake capacity of 12 students. Two bath attached sick rooms are also there with all necessary first aid kits. The mess has separate dining area, service area, wash area, cooking area and store. One cooler and ten dining tables of six seats each are arranged in the mess hall. The mess workers' rooms are placed adjacent to mess. There is a separate work area at the backyard of the hostel for the mess workers. Two cleaning staffs are entrusted to clean the hostel rooms, toilets, mess and the hostel premises. There are drainage facilities for the effluent water in the hostel. Both potable water and wash water supply systems are there in the hostel. A volley ball court is set up in the inner courtyard of the hostel. Other recreational facilities including Television, TT table, Carom Board, Sewing machine etc. are also arranged in the hostel.

**PG Ladies Hostel:** The KUFOS PG Ladies hostel located in the north east campus was constructed in 2016. It is a two storied building of 960 Sq. m area with 18 rooms for occupation

of students and an another floor is under construction. The above rooms which can accommodate three students and there are two other rooms which accommodates five inmates. So the total intake capacity is 64. Common toilets (9 nos) and bathrooms (9nos) are available in both floors. The other facilities of the hostel include a reception area, sick room, matron's room, large mess hall, wash area, kitchen, work area, store room and a servant's room. There are facilities to store municipal water as well as ground water. A cooler is provided for drinking water inside the mess hall. Provisions for and indoor games and entertainment include two table tennis tables and a television in the mess hall. The recreation room and study room (bigger rooms) are being used for accommodation, due to excessive demand from students of various batches. For cleaning the hostel building and premises, one janitorial worker is engaged. Additionally, services of farm laborers are available for cleaning the outdoor areas. Since the hostel is situated inside the campus, transport facility is not required. Emergency medical facilities include the sick room and the first aid kits. Students depend on private hospitals and primary health centre, located nearby

#### **Hostel facilities of Boys Hostel for UG & PG**

KUFOS at present has one UG hostel and PG Hostel for men located in the main campus. The facilities available in each hostel is as follows

##### **UG Hostel for Men**

	No. of rooms	Total No. of beds
Single rooms	13	13
Double rooms (3 students/room)	16	48
Dormitory	1	25
<b>Total</b>	<b>31</b>	<b>86</b>

##### **v. PG Hostel for Men**

	No. of rooms	Total No. of beds
Single rooms	2	2
Double rooms (3 students/room)	12	36
Dormitory	1	25
<b>Total</b>	<b>15</b>	<b>63</b>

**Mess facility:** UG and PG hostel is equipped with a separate kitchen and Mess facility

##### **v. Central Examination Facility**

An examination hall with an area of 286 Sq m for 100 people is located on the second floor of the Student Amenity Centre and is used for University examinations.

**xix. Games and Sports Facility**

1. Indoor Sports: Swimming Pool, Chess, Gymnasium	No.
2 Athletic 400 m track	1
3 Cricket Field	1
4 Football Field	1
5 Hockey Field	1
6 Volley ball Court	2
7 Basketball Court	2
8 Table Tennis	2
9 Badminton Courts	2

**14. Student Data (Placement details)**

Sl no.	Name	Job position	Organization
<b>Batch 2021-2025</b>			
1	Akshith K R	Quality Assurance Trainee	Elite Foods, Aroor
2	Saniya P Sunny	Process Associate	SIB Operations and Services Limited, Kochi
3	Karthika U R	Management Trainee	Elite Foods, Kalamassery
4	Saranya S	QC trainee	Regio Foods Pvt Ltd, Kalluvathukkal
5	Amal Raj K	Graduate Engineer Trainee	Elite Foods Pvt Ltd, Aroor
6	Anandh Krishnan	Graduate Engineer Trainee	Elite Foods Pvt Ltd, Aroor
<b>Batch 2020-2024</b>			
7	Adwaith KS	Quality Assurance Trainee	AB Mauri India Pvt. Ltd. KOCHI
8	Aiswarya S S	Quality Control Executive	Nellara Food Products, Ernakulam
9	Akhil Raj P	Food Technologist,	The Himalayan Chocolates, Manali
10	Angel Mary	Quality Controller	Lulu Flight Kitchen, Cochin Int. Airport
11	Anitha Anil	Quality Controller	Teejan Foods Kalamassery
12	Harikrishnan S	Quality Controller, online	Geo Seafoods PVT. LTD. Cochin
13	Krishna M	Quality Controller	AKAY International, Cochin
14	Risvana PM	Quality Controller	Lulu Flight Kitchen, Cochin Int. Airport
15	Soumya KS	Food Technologist	Leela International Trivandrum
16	Sreelakshmi A	Project Development Specialist	Everton Tea, Andhra Pradesh
17	Veena M	Quality Controller	IRCTC Tamil Nadu
18	Divya Antony	Quality Controller	Bell Exim PVT. LTD, Cochin
19	Aswin raj KS	Production Executive	KINFRA Farm to Dine Ernakulam
20	Bharath Krishna K	Quality Assurance Officer	Olam Food Ingredients, Cochin
21	Manjima	Management Trainee	Choice Canning Company, Gujarat
22	ANUDHIYA R	Assistant salesman	KSCSC (Supplyco), Kerala

23	Anuvind M	Technician	Elanad Milk, Thrissur
24	Jiyanna Tomy	Graduate Apprentice Trainee	Nestle India Ltd