

INTERNAL QUALITY ASSURANCE REPORT

4TH QUARTER - OCTOBER TO DECEMBER 2024



TAMIL NADU DR. J. JAYALALITHAA FISHERIES UNIVERSITY
Nagapattinam

**“HARNESSING THE SCIENCE OF FISHERIES FOR
FOOD, NUTRITION & LIVELIHOOD”**

ANNEXURE

The format for Quality Assurance Report of the IQAC

Name of the Institute/Directorate : Tamil Nadu Dr. J. Jayalalithaa Fisheries University

Month (1st Quarter/2nd Quarter/3rd Quarter/4th Quarter : 4th Quarter

Section A: Plan of action chalked out by the IQAC in the beginning of the quarter towards quality enhancement

Write a few points regarding the plan of action initiated towards the quality enhancement during this quarter and achieved.

(i) Fisheries College & Research Institute, Thoothukudi

| Plan of action towards quality enhancement | Achieved (in bullets) |
|---|--|
| <p>Research: Research guidance will be provided to three PG students Regular Project work will be carried out</p> <p>Publication: Three research papers will be communicated Two research papers will be published Three Tamil popular articles will be published</p> <p>Extension: One awareness program will be conducted Four radio talks will be recorded</p> | <ul style="list-style-type: none"> Guidance as chairman and member was provided to 6 Ph.D. Students and 5 M.F.Sc students. The operation of 4 research projects were in progress. |
| <ul style="list-style-type: none"> One training programme will be conducted. 3 research articles will be published Mentor-mentee meeting will be | <ul style="list-style-type: none"> One awareness programme on "Sustainable Marine Fisheries Management" was conducted at Tharuvaikulam on 21.11.2024 in association with Tamil Nadu Fisheries Department and Fishermen Welfare, Thoothukudi in commemoration of the World Fisheries Day – 2024 Staff attended two workshops. Final viva-voce was conducted for two PG students (Ms. Sharumathi – 23.12.2024 & Mr. Joyson – 23.12.2024). A Total of seven research papers were published and two papers were accepted. Eleven research papers were submitted to National and International journals 6 M.F.Sc and 3 Ph.D students were guided. |

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| conducted | |
| <ul style="list-style-type: none"> Continuing the PG and PhD research guidance National Surveillance programme for Aquatic Animal Diseases –Phase II scheme till March 2025. | <ul style="list-style-type: none"> Four PG and four Ph.D students are pursuing their research Work related to the National Surveillance programme for Aquatic Animal Diseases –Phase II scheme has been carried out |
| <ul style="list-style-type: none"> 3 research articles will be submitted Mentor-mentee meeting will be conducted | <ul style="list-style-type: none"> 4 M.F.Sc students and 2 Ph.D. students carried out their dissertation work in various departments. One awareness programme was organized. |
| <ul style="list-style-type: none"> Guide the Ph.D., and M.F.Sc students Research papers will be published from the students' research | <ul style="list-style-type: none"> 1 Ph.D., and 2 M.F.Sc students were guided. Six research papers were published. |
| <ul style="list-style-type: none"> Continuing the PG and PhD research Guidance Self-financing scheme on "Quality analysis of fish samples" | <ul style="list-style-type: none"> Three PG students are pursuing their research Self-financing Scheme - Samples received from different companies and Scholars were analyzed for various analytical parameters and an amount of Rs. 22,360/-towards analytical charges and Training amount of Rs. 82,500/- were earned as income from this scheme. Training - A five days training programme on "Detection of Pathogens in Fish and Fishery Products" was conducted from 25.11.2024 to 29.11.2024. |
| <ul style="list-style-type: none"> Maintenance of departmental activities through file/registers Two training programs will be conducted. Research & popular articles, and research project proposal will be submitted. | <ul style="list-style-type: none"> Check-list and activities of trainings, webinar, workshop conducted by the department is regularly maintained. Records of visitors from various academic institutions are maintained. AV hall, Virtual class room and Auditorium are maintained. Course files consisting of syllabus, lecture schedule, course content, students' attendance of MFSc and PhD students are maintained. Two training programmes and an awareness program were conducted for the benefit of farmers and fishers Three research articles were submitted |

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| | <ul style="list-style-type: none"> One research project proposal was submitted to NABCONS, Tamil Nadu |
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(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| Plan of action towards quality enhancement | Achieved (in bullets) | | | | | | | | | | | | |
|--|---|----------------------|-------------------------------|----------------------|------|------|-------------------|---|-------------------------------|--|--|---|--|
| Preparation of Standard Operating Procedures (SOP) | Preparation of SOP for the purchase of stores is under progress and will be completed in the next quarter | | | | | | | | | | | | |
| Preparation of Department wise list of Journals | List of Journals given by the Dept. of Aquaculture 1. Journal of Aquaculture in the Tropics 2. Indian Journal of Fisheries | | | | | | | | | | | | |
| List of scholarships for UG, PG and | <p>A directory of scholarships available for the students (ppt) prepared and circulated among the students.</p> <p>No. of scholarships for UG students : 10 Nos</p> <ol style="list-style-type: none">1. Government School Student (7.5%)2. National Talent Scholarship by ICAR3. Pudumei Pen Scheme by TN Govt4. Tamil Pudalvan by TN Govt5. SC/ST Post Metric by TN Govt6. BC/MBC Post Metric by TN Govt7. Pattukottai Azhagiri by TN Govt8. Disability Scholarship (Tuition Fees Exception)9. First Graduate fellowship by TN Govt10. Federal bank scholarship (yearly one) <p>No. of scholarships for PG & Ph.D students : 7 Nos</p> <ol style="list-style-type: none">1. TNJFU Merit Scholarship2. Pattukottai Azhagiri by TN Govt3. SC/ST Post Metric by TN Govt4. BC/MBC Post Metric by TN Govt5. Rajiv Gandhi National Fellowship by Govt of India | | | | | | | | | | | | |
| Consultancy documentation | <p>No. of consultancies given by teachers : Nos</p> <table><tr><th>Department</th><th>Staff</th><th>No. of consultancies</th><th>Area</th></tr><tr><td>Dean</td><td>Dr.R.Jeya Shakila</td><td>1</td><td>Lead in human nutrition Skill</td></tr><tr><td></td><td></td><td>1</td><td></td></tr></table> | Department | Staff | No. of consultancies | Area | Dean | Dr.R.Jeya Shakila | 1 | Lead in human nutrition Skill | | | 1 | |
| Department | Staff | No. of consultancies | Area | | | | | | | | | | |
| Dean | Dr.R.Jeya Shakila | 1 | Lead in human nutrition Skill | | | | | | | | | | |
| | | 1 | | | | | | | | | | | |

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| | | | 1 | training in fisheries Instrument supplier |
| | Aquaculture | Dr. Ezhilarasi | 6 | Training for fish culture, Ornamental fish culture & breeding and Daphnia culture |
| | Fish Processing Technology | Dr. Masilan | 4 | Seafood traceability |
| | Fisheries Environment | Dr. S. Aruna | 2 | Related to water and soil quality |
| Students satisfactory report (Feedback form) from students and trainers | Course feed backs received from 2021-22 batch – VI semester students | | | |
| | Sl.No | Course title | No. of feedbacks received | Average/ Poor (%) |
| | 1 | FS – 310 Shellfish Hatchery Management 2 (1 + 1) | 14 | |
| | 2 | FS – 311 Microbial and Parasitic Diseases of Fish and Shellfish 3 (2 + 1) | 21 | |
| | 3 | FS – 312 Therapeutics in Aquaculture 2(1 + 1) | 14 | |
| | 4 | FS- 313 Fish Products and Value Addition 3 (2+ 1) | 44 | 1 |
| | 5 | FS – 314 Fish Packaging Technology 2 (1 + 1) | 32 | |

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| | 6 | FS – 315 Quality assurance of Fish and Fishery Products 3 (2 + 1) | 22 | |
| | 7 | FS – 316 Fishing Technology 2 (1 + 1) | 17 | |
| | 8 | FS – 317 Navigation and Seamanship 2 (1 + 1) | 21 | |
| | 9 | FS – 318 Fisheries Administration and Entrepreneurship Development 2 (2 + 0) | 21 | |
| | 10 | FS – 319 Fisheries Co-operatives, Marketing and Business Management 3 (2+1) | 18 | |
| Course feed backs received from 2022-23 batch – IV semester students | | | | |
| | Sl.No | Course title | No. of feedbacks received | Average/ Poor (%) |
| | 1 | FS – 210 Coastal Aquaculture and Mariculture 3(2+ 1) | 47 | |
| | 2 | FS – 211 Genetics and Breeding 2 (1 + 1) | 25 | |
| | 3 | FS – 212 Fish Nutrition and Feed Technology 3 (2 + 1) | 4 | |
| | 4 | FS- 213 Fish and Shellfish Pathology 3 (2 + 1) | 46 | |
| | 5 | FS – 214 Physiology of Finfish and Shellfish 3 (2 + 1) | 19 | |
| | 6 | FS – 215 Fishery Oceanography 2 | 16 | |

| | (1 + 1) | | |
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| 7 | FS – 216 Aquatic Pollution and Coastal Zone Management 3 (2 + 1) | 30 | |
| 8 | FS – 217 Fish Canning Technology 2 (1 + 1) | 44 | |
| 9 | FS – 218 Fishing Gear Technology 2 (1 + 1) | 27 | |
| Course feed backs received from 2023-24 batch – II semester students | | | |
| Sl.No | Course title | No. of feedbacks received | Average/ Poor (%) |
| 1 | FS – 110 Freshwater Aquaculture 3 (2 + 1) | 9 | |
| 2 | FS – 111 Aquaculture in Reservoirs 2 (1 + 1) | 3 | |
| 3 | FS – 112 Taxonomy and Shellfish 2 (1 + 1) | 5 | |
| 4 | FS- 113 Anatomy and Biology of Shellfish 3 (2 + 1) | 4 | |
| 5 | FS – 114 Inland Fisheries 3 (2 + 1) | 23 | |
| 6 | FS – 115 Limnology 3 (2 + 1) | 9 | 1 |
| 7 | FS –116 Marine Biology 3(2+1) | 20 | 1 |
| 8 | FS – 117 Food Chemistry and Fish in Nutrition 3 (2 + 1) | 35 | 1 |
| 9 | FS – 118 Information and Communication Technology 2 (1 + 1) | 22 | 1 |
| 10 | FS – 119 Physical Education, First Aid | 13 | |

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| | <table><tr><td></td><td>& Yoga Practices</td><td></td><td></td></tr></table> <p>Action taken: Respective course teachers are instructed to inform the students to increase the feedback of their courses undertaken.</p> | | & Yoga Practices | | |
| | & Yoga Practices | | | | |
| Complaint box from students | A total of 21 complaints received in the complaint box. The complaint pertains to fixing of mosquito nets in the hostel windows. Necessary instruction given to Warden and Deputy Wardens for taking action. Budget is also allotted for fixing nets. Tender process is in progress and will be followed up. | | | | |
| Arrangement of special lectures | Two guest lectures were arranged by Science Club. 1. Dr. S. Selvaraj, Assistant Professor delivered a lecture on "Guidelines for establishment and operation of Nucleus Breeding Centre and Brood Stock Multiplication Centres in India" 2. Dr. V. Ezhilarasi, Assistant Professor delivered a lecture on "Guidelines for certificates of compliance for aquaculture inputs." | | | | |

(iii) College of Fisheries Engineering, Nagapattinam

| Plan of action towards quality enhancement | Achieved (in bullets) |
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| <ol style="list-style-type: none"> 1. AICTE Accreditation 2. ICAR Accreditation 3. NAAC Accreditation 4. Academic Audit 5. Counseling to the Students 6. R & D Project proposals | <ul style="list-style-type: none"> ➤ Acquiring AICTE Accreditation 2024-25 and improve the infrastructure and other facilities as per AICTE norms. ➤ Acquiring ICAR Accreditation and improve the infrastructure and other facilities as per ICAR norms. ➤ Acquiring NAAC Accreditation and improve the infrastructure and other facilities as per norms. ➤ Strengthens the teaching Learning process through formation of class committee, regular conductance of academic audit and getting feedback from the students. ➤ Motivate the students through counseling and regular conductance of parent teachers meeting. ➤ Strength the research and extension activities by submitting proposals to external funding agencies. |

(iv) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

| Plan of action towards quality enhancement | Achieved (in bullets) |
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| <p>Education Quality Assurance Committee (EQAC)</p> <ul style="list-style-type: none">• MS Office Skills Training: EQAC members will provide training in Excel, PowerPoint, and Word for 1st and 2nd Year students.• SPSS Software Training: Training sessions on SPSS will be conducted for 3rd and 4th Year students.• Class Committee Meetings: Meetings will be held for I and III semester students to discuss academic matters.• Feedback Collection and Analysis: Pre-midterm feedback will be collected from I and III semesters, and feedback from II and IV semesters will be analyzed and communicated to faculty.• Parent-Teacher Meetings: Meetings will be organized for all batches to discuss student's performance.• ICAR Mock Exams: Mock exams will be conducted twice a week for the 2021-22 batch. <p>Training Quality Assurance Committee (TQAC)</p> <ul style="list-style-type: none">• Distributing pamphlets regarding upcoming training programmes.• Preparation of IV Quarter training calendar.• Organising committed need-based training programmes for the fourth quarter. | <ul style="list-style-type: none">• Regular classes were conducted in collaboration with a course "Information and communication skill."• Will be conducted in the next quarter due to the connectivity issue in the software.• Class committee meeting was conducted for Ist semester students (2024-25 Batch) on 05.12.2024.• II and IV semesters feedback were analyzed and submitted to the IQAC team for further action. I & III semesters student feedback will be analysed.• Will be conducted in the next quarter.• Meetings were conducted and the mock exams will be conducted in the next quarter due to the continuous internal examinations.• Circulated the training programme schedule for October to December 2024 through WhatsApp to fish and shrimp farmers.• The training calendar for October to December 2024 was prepared.• The Department of Fish Pathology and Health Management marked World Antimicrobial Awareness Week 2024 with impactful events from November 18–24. Highlights included a poster competition on "Raise Awareness, Stop Resistance," with selected posters showcased in a rally. An awareness campaign on |

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| <p>Research & Development Committee (R & D)</p> <ul style="list-style-type: none"> • Faculty members will be encouraged and supported to submit research proposals in response to calls from various funding agencies. • A discussion meeting will be organized to explore key areas of technological development across different fields of fisheries, involving staff from all departments of our institute. • A lecture will be organized for the teaching staff on acquiring funds through Startup TN. • Inter-departmental and inter-institutional research projects will be initiated and supported. <p>Administrative Quality Assurance Committee (AQAC)</p> <ul style="list-style-type: none"> • The computer skills training program will be organized for the administrative staff of our institute. <p>Sports and Co-curricular Development Committee (SCDC):</p> <ul style="list-style-type: none"> • Psychological counseling sessions for first year B.F.Sc. students will be organized. • The girls volleyball court will be improved with | <p>"Antimicrobials in Public Health" engaged students at Thalainayeru on November 18, and a national webinar, "Battling Antimicrobial Resistance in Aquaculture: Who Holds the Key?" was held on November 21.</p> <ul style="list-style-type: none"> • On 21.11.2024, the Department of Fish Pathology and Health Management hosted a national webinar, "Battling Antimicrobial Resistance in Aquaculture: Who Holds the Key?" Eminent speakers Dr. T. Jawahar Abraham and Dr. H. Sanath Kumar addressed 60 participants, including faculty, students, and farmers, on strategies to mitigate resistance in aquaculture. • One research proposal has been submitted by Dr. S. Deepika entitled "Climate Variability and its impact on plankton and microbial dynamics in shrimp ponds of Nagapattinam region, Tamil Nadu" with budget outlay of Rs.4.35 lakhs to TNSCST. • Special lecture cum discussion was organised on Potential Technology based research areas and thrust areas within each department was given by the respective Heads of the departments and deputed staff on 19.12.2024 (Thursday) at 11:30 AM in Computer lab to the faculties. • On 27.12.2024, a special lecture was held online and Dr. Sivakumar Periyasamy, Vice-President of Start-up TN, Thanjavur Regional Hub, discussed the role of Start-up TN in project proposals, funding, technology development, validation, commercialization, and patenting. • Potential areas and industries have been identified and the activities related to |
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| <p>new fencing</p> <ul style="list-style-type: none"> • Students will be encouraged to participate in the intercollegiate sports event at Thoothukudi. <p>Placement and Business Promotion Committee (PBPC)</p> <ul style="list-style-type: none"> • A Student Skill Development Program on "Career Guidance" will be conducted in the fourth week of October by Geebee Education, with Mr. Abraham Rajesh from Chennai as the speaker. • A Student Motivation Program, featuring an online talk on "The Scope of Genetically Improved Varieties in Aquaculture," is proposed to be conducted in the fourth week of November by Dr. A. Kathirvel Pandian, Principal Scientist at the NBFGR-PMFGR Center in Kochi, Kerala. | <p>Inter-departmental and inter-institutional research projects will be carried out during the next quarter.</p> <ul style="list-style-type: none"> • As the assured task could not be completed the same is planned to be organised in the upcoming 1st quarter of 2025. • Due to the unavailability of the resource person at our convenience time (October to December, 2024) the same program will be organized during the next quarter. • Due to lack of fund, the task will be completed in the the next quarter. • Due to heavy rain in Thoothukudi, the intercollegiate sports event was not organised. • Due to the unavailability of resource person the task could not be completed and it will be completed during the next quarter. • An online talk on "DNA Barcoding: An Effective Tool for Fisheries Resource Management" was conducted on 16.12.2024, Dr. A. Kathirvel Pandiyan, Principal Scientist, ICAR-NBFGR, PAGR Centre, Kochi has served as the resource person, providing insights into molecular markers and their extensive applications in fish species identification to the students. |
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(v) Institute of Fisheries Biotechnology, Vaniyanchavadi

| Plan of action towards quality enhancement | Achieved (in bullets) |
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| <ul style="list-style-type: none"> Revision of B.Tech. Biotechnology syllabus | Draft revision has been completed for a total of 12 courses of B.Tech. Biotechnology |
| <ul style="list-style-type: none"> Feedback from students | Semester wise feedback obtained from students has been compiled. Best grading was given for the attribute ' Teachers attitude and behaviour towards the students is friendly and helpful ' with 64.7% stating 'Excellent'. Students wanted some improvements in some ' Teachers communication ability ' and 'inputs related to developments happening in biotechnology' |
| <ul style="list-style-type: none"> Appreciation of students by rewarding for their academic performance | Academic Proficiency award was given to the toppers in the First year, Second year and Third year B.Tech. Biotechnology |
| <ul style="list-style-type: none"> Introducing 'Blended Teaching Methods' | <p>"Class Video Activity" is being continued</p> <p>As a part of institutional visits to improve their scientific knowledge, Final year B.Tech. Biotechnology students visited National Institutes like National Dairy Research Institute, Bengaluru; National Institute of Animal Biotechnology, Hyderabad; National Centre for Cell Sciences, Pune; Centre for Marine Living Resources and Ecology, Cochin; Central Marine Fisheries Research Institute and updated their knowledge.</p> |

(vi) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi

| Plan of action towards quality enhancement | Achieved (in bullets) |
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| 1. Feedback from students | Semester wise feedback obtained from students has been compiled. Overall grading is appreciable and encouraging for various attributes |
| 2. Proposal to send for inclusion of Fish Pharmacology and Toxicology under Animal Health Management to ASSRB for NET/ARS exam | Necessary proposals has been routed through University for inclusion of Fish Pharmacology and Toxicology under Animal Health Management in Fish Health |

(vii) TNJFU-Fisheries Business School, Vaniyanchavadi

| Plan of action towards quality enhancement | Achieved (in bullets) |
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| Conducting placement activities for the passed-out students, final BBA and MBA students through on and off campus | <ul style="list-style-type: none"> Contacted with various fisheries national and MNCs such as BMR groups, Aquaconnect Pvt. Ltd., Skretting, CPF, |

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| interviews. | <p>Avanti and Waterbase etc. for the placement of final year BBA and MBA students.</p> <ul style="list-style-type: none"> • Successfully organized a campus placement drive that featured Waterbase Ltd. for final year BBA and MBA students at DIVA campus. |
| Encourage first year BBA and MBA students to create ABC account. | <ul style="list-style-type: none"> • Guidance was given to the students for creating ABC account. Students of BBA and MBA 23-24 batch successfully created ABC account. |
| Encouraging students to express their innovative ideas in fisheries sector through conducting seminars. | <ul style="list-style-type: none"> • A Smart India Hackathon program was successfully conducted at the DIVA campus for the BBA and MBA students of TNJFU-FBS. The event served as a platform to showcase the students' innovative ideas. Participants presented their creative solutions in the field of fisheries through engaging PowerPoint presentations, demonstrating their skills and ingenuity. |
| Encouraging students and teachers for publishing articles in Scopus and Web of Science Journals in fisheries and allied sector. | <ul style="list-style-type: none"> • The FBS faculty have conducted specialized sessions to provide guidance to the students on research methodologies, manuscript preparation, and the submission process for publishing articles in Scopus and Web of Science-indexed journals within the fisheries and allied sectors. |

(viii) College of Fish Nutrition & Food Technology, Madhavaram

| Plan of action towards quality enhancement | Achieved |
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| Students feedback from B.Tech. (FT) 2021 batch for collected periodically | <ul style="list-style-type: none"> • Feedback forms were submitted by the 2020 – 2021 batch students on 19.10.2024 • Feedback forms were submitted by the 2021 – 2022 batch students on 04.11.2024 |
| External member and Alumni representative suggested that Spoken English and Personality Development class for the students need to be conducted. | <ul style="list-style-type: none"> • Ms. P. Anitha Ramesh, M.A., M.Ed., has conducted Spoken English for 2nd year 2023- 24 batch once a week since 19.08.2024 • She has submitted the course plan for every week. |
| External member suggested to give to conduct IPR session for students to help them understand drafting of Patent application | <ul style="list-style-type: none"> • Dean has discussed with Faculty and to conduct IPR session for the B.Tech. (FT) Students and a Workshop is being planned. |

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| It is necessary to plan to purchase new college bus for student internship and Industrial tour. | <ul style="list-style-type: none"> The Dean will discuss with the Vice – Chancellor and Registrar before sending the proposal. |
| Dean discussed with the B. Tech. (FT) students about placement to collect and send the resume or curriculum vitae to different Industries / Companies | <ul style="list-style-type: none"> Dr. R. Brimapureeswaran, the Placement Co-ordinator has instructed the students of the Final Year and to collect the resumes and prepare the brochure to be sent to the Companies for placement. |

(ix) Paraprofessional Institute of Aquaculture, Muttukadu

| Plan of action towards quality enhancement | Achieved (in bullets) |
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| A plan was made to conduct the training program | A five day (27.01.2025 – 01.02.2025) training program for the staff of M/s Raj Aquatech Kovalam, Chennai on Management of Fish and Shrimp Farms was planned to be conducted at the Directorate of Incubation and Vocational Training in Aquaculture (DIVA). |
| To engage and link B.Voc(IA) Final year students to various aqua industries | Final year B.Voc(IA) students were sent for internship to the following industries 1. Sheng Long Biotech India Pvt. Ltd. (feed unit), 2. Kings Infra Ventures limited (Hatchery unit), 3. Unibio hatchery private limited (Hatchery unit), 4. Aqua zoo (Ornamental fish unit) 5. Sunshine marine hatchery Private limited (Hatchery unit). |
| To upgrade the sports facilities of PPIAT, Muttukadu | Sports facility has been upgraded through purchase of chess board & coins, carrom board & coins, Shuttle bat & cock, cones, cricket bat and rubber ball |
| Participation of B.Voc(IA) students in various cultural and sports events at state level | B.Voc(IA) students were encouraged to participate in various events viz, PONFIMA, PONTRIFEST organized by Dr. MGR. FC&RI, Ponneri Ms. Susithra received an award for Essay writing competition from the Honourable Governor of Tamil Nadu |
| Aquaculture unit of DIVA to be upgraded | Aerators and fishes were purchased and installed for the ornamental fish culture unit. |
| Parent teacher meeting to be arranged | Parent teacher meeting was conducted on 20.12.2024 |
| Cleaning and greening of campus to be ensured | 1. Nature & Health club was inaugurated on 25.11.2024 by collaborating with an NGO "Arogya Bharathi" |

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| | 2. Cleaning of DIVA campus was done by the students as a part of NSS activity and trees were planted. The students identified herbal plants with the help of Director, DIVA and planted in the campus facility. |
| To celebrate "World Fisheries Day 2024" | World Fisheries Day 2024 was celebrated at Karikattukuppam fishing village on 21.11.2024 for creating awareness to fisherfolk regarding fishermen welfare schemes. |
| <p>Campus cleaning</p>  | <p>World Fisheries Day 2024 celebration</p>  |

(x) Paraprofessional Institute of Fishing Technology, Ramanathapuram

| Plan of action towards quality enhancement | Achieved (in bullets) |
|---|--|
| To encourage students to participate in the National/International workshop | All the students of B.Voc. I, II and III year (2022-23, 2023-24 and 2024-25) participated in the National workshop "Ponshrimp' 24" on "Striking a balance between the export market and domestic consumption of shrimp" on 13.12.2024 at Dr. M.G.R. Fisheries College and Research Institute, Ponneri. |
| To conduct FICSI Level 5, 6 and 7 exams for the students of B.Voc. III year (2021-22 batch) | FICSI Exam Level 5 (Food Products and Packaging Technician), Level 6 (Food Regulatory Affairs Manager) and Level 7 (Production Manager) were conducted for B.Voc. III Year 2021-22 batch on 19.11.2024 and 20.11.2024. Mr. Anoop Raj was the assessor for conducting the exam. |
| To carry out regular field visits to the students of B.Voc. I, II, and III year | All the students of B.Voc. I, II and III year (2022-23, 2023-24 and 2024-25) with the teaching faculty visited Kasimedu Fish Landing Centre and St. Peter paul Ice plant on 07.12.2024. |

Section B: Details in respect of the following – The below tables may not be modified and the particulars may given only for the specific quarter.

1. Activities reflecting the goals and objectives of the institute

(i) Fisheries College & Research Institute, Thoothukudi

| Sl.No | Name of the Activities |
|-------|---|
| 1. | <ul style="list-style-type: none"> Guidance as chairman and member was provided to 6 Ph.D. Students and 5 M.F.Sc students. The operation of 4 research projects were in progress. One awareness programme on "Sustainable Marine Fisheries Management" was conducted at Tharuvaikulam on 21.11.2024 in association with Tamil Nadu Fisheries Department and Fishermen Welfare, Thoothukudiin commemoration of the World Fisheries Day – 2024. Final viva-voce was conducted for two PG students (Ms. Sharumathi – 23.12.2024 & Mr.Joyson – 23.12.2024). A Total of seven research papers were published and two papers were accepted. Eleven research papers were submitted to National and International journals |
| 2. | <ul style="list-style-type: none"> Research guidance to students pursuing M.F.Sc and Ph.D in Aquatic Animal Health National Surveillance programme for Aquatic Animal Diseases- Phase II scheme till March 2025. Organized awareness programme "World Antimicrobial Resistance Week" on 19.11.2024. |
| 3. | <ul style="list-style-type: none"> Three PG students are pursuing their research Self-financing Scheme – Samples received from different companies and Scholars were analyzed for various analytical parameters and an amount of Rs. 22,360/- towards analytical charges and Training amount of Rs. 82,500/- were earned as income from this scheme. Training – A five days training programme on "Detection of Pathogens in Fish and Fishery Products" was conducted from 25.11.2024 to 29.11.2024. |
| 4. | <ul style="list-style-type: none"> Check-list and activities of trainings, webinar, workshop conducted by the department is regularly maintained. Records of visitors from various academic institutions are maintained. AV hall, Virtual class room and Auditorium are maintained. Course files consisting of syllabus, lecture schedule, course content, students' attendance of MFSc and PhD students are maintained. Two training programmes and an awareness program were conducted for the benefit of farmers and fishers. Three research articles were submitted. One research project proposal was submitted to NABCONS, Tamil Nadu. |

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| Sl.No | Name of the Activities |
|-------|---|
| 1. | <ul style="list-style-type: none">• B.F.Sc, M.F.Sc (6 disciplines) and Ph.D. (4 disciplines) programs are offered in Dr. M.G.R. Fisheries College and Research Institute, Ponneri campus• The current strength of I B.F.Sc. is 49; II B.F.Sc is 53; III B.F.Sc is 53; and , IV B.F.Sc students is 49. The current strength of I M.F.Sc is 16; and II M.F.Sc is 13. The current strength of I Ph.D. is 6; II. Ph.D. is 5 and III. Ph.D. is 1.• The no. of M.F.Sc. students completed during this quarter is 8 and no. of Ph.D students is 2• A total of 13 M.F.Sc and 08 Ph.D students undertake research in various fisheries and aquaculture technologies for utilization of judicial utilization of fisheries resources.• A total of 6 research projects are being undertaken by faculties – notable ones on influence of climatic factors on antibiotic resistance Salmonella strains in farmed shrimp culture systems, seaweed tissue culture, digital solution to sea turtle conservation, etc |

(iii) College of Fisheries Engineering, Nagapattinam

| Sl.No | Name of the Activities |
|-------|--|
| i | Extension of approval for the course B.Tech Fisheries Engineering for AICTE updating for the academic year 2023-24 |
| ii. | <p>AICTE approval to For B.Tech.(Energy and Environmental Engineering) letter was received from AICTE stating that AICTE approval for the course under UG Approved Nomenclature</p> <p>Kindly refer to your letter no .4928/TNJFU/B1/Edn./B.Tech(EEE)/AICTE/2022 dated 23.11.2022 on the above noted subject. Your proposal for inclusion of B.Tech(Energy and Environmental Engineering) was placed before the All India Board of Under Graduate Studies in Engineering and Technology in its meeting held on 21.01.2023 for its consideration.</p> <p>The board deliberated on the proposal and re commended that the institute may align the course nomenclatures with AICTE's already existing nomenclatures available in the list of approved nomenclatures such as "Energy and Environment Management" etc.</p> <p>Also this college is appealed or reconsider for inclusion of the course B.Tech(Energy and Environmental Engineering) in the nomenclature on 05.06.2024</p> |
| iii. | Efforts are under progress to get NBA accreditation for the course B.Tech.(Fisheries Engineering) since ICAR declined to approve the course. |
| iv. | All year Co-ordinators' were instructed to conduct the class committee meeting (two times), parent teachers meeting (one time) and obtain feedback from the students (two times in a semester) IC No : No.4/COFE/NGPT/IQAC/2023 |
| v. | 4 students counsellors were nominated for each batch of Student (for every 10 student one counsellor) IC No : No.5/COFE/NGPT/IQAC/2023 |
| vi. | Faculties are encouraged to submit research and extension proposal for external funding. As a result 2 research proposals were submitted for funding in this quarter |

(iv) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

| Sl. No | Name of the Activities | | | | | |
|--------|--|---|---------------------|--|----------------|-------------------|
| | Activities carried out under Objective 3 Guest lectures given by faculties: | | | | | |
| | S. No. | Title | Name of Faculty | Date & Venue | Online/Offline | Funding agency |
| | 1. | Hygienic handling of Fish and Fishery Products | Mr. P. Praveenkumar | 29.10.2024 & 30.10.2024 Kodiyakarai | Offline | MPEDA |
| | 2. | Role of Aquaculture in achieving sustainable development Goals (3 days Online Collaborative Training on "Climate Smart Aquaculture Technologies" Jointly organized by TNJFU - Dr. M.G.R FC&RI, Ponneri & MANAGE, Hyderabad) | Dr. Mahadevi | 27.11.2024 Dr.M.G.R FC &RI, Ponneri | Online | MANAGE, Hyderabad |
| | 3. | Hygienic handling of Fish and Fishery Products | Mr. P. Praveenkumar | 16.11.2024 & Kodiyakarai | Offline | MPEDA |
| | 4. | Biofloc based smart aquaculture (3 days Online Collaborative Training on "Climate Smart Aquaculture Technologies" Jointly organized by TNJFU - Dr.M.G.R FC&RI, Ponneri & MANAGE, Hyderabad) | Mr. P. Yuvarajan | 29.11.2024 & Dr.M.G.R FC&RI, Ponneri | Online | MANAGE, Hyderabad |

(v) College of Fish Nutrition & Food Technology, Madhavaram

| Sl.No | Name of the Activities |
|-------|--|
| 1. | To arrange atleast one Industrial Visit for each subject by the respective course teachers - the students will get to explore and gain knowledge from industry / company |
| 2. | To encourage the students to participate in the BIS Competition |
| 3. | To motivate the students to publish article / research papers in the popular journals |

(vi) Paraprofessional Institute of Aquaculture, Muttukadu

| Sl.No | Name of the Activities |
|-------|---|
| 1. | B.Voc.(IA)program is being offered at DIVA to produce manpower for aquaculture and allied industries. |
| 2. | Aquafeed Mill is involved in producing feed for research, incubatees and farming communities. |
| 3. | To extend Labs/ RAS / Biofloc facilities for research and industry projects. |

(vii) Paraprofessional Institute of Fishing Technology, Ramanathapuram

| Sl.No | Name of the Activities |
|-------|---|
| 1. | B.Voc. course is aimed at providing skilled professionals to the seafood processing plants and 29 out of 55 passed-out students got placed as quality controllers, processing supervisors, and production supervisors in various fish processing plants as follows; 1. JRJ Seafoods India Pvt. Ltd. 2. Water base Exports Private Limited, Nellore District, 524 344 3. Hiravati Marine Products Pvt. Ltd. 4. Hyson Exports Pvt. Ltd., Sulurpet 5. Fishin' India Private Limited, Hyderabad 6. Nector Exports Pvt. Ltd., Puducherry 7. Hyson Exports Pvt. Ltd., Sulurpet |

2. New academic programmes initiated (UG, PG & Ph.D) – Nil

3. Innovations in curricular design and transaction

(i) Fisheries College & Research Institute, Thoothukudi – **Nil**

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| Sl.No | Innovations made |
|-------|---|
| 1. | Mentor – Mentee Meetings: 4 Nos Mentor Mentee meeting was conducted by faculties in this quarter. 1. Dr. K. Masilan, Assistant Professor, Department of Fish Processing Technology, |

| | <p>conducted Mentor Mentee meeting on 05.07.2024, and discussed the problems caused by invasive fish species (i.e., Sucker mouth cat Fish and Charru mussels) and students given assignment to create 3D models of organic molecules</p> <p>2. Dr. C. Sudhan, Assistant Professor, Department of Fisheries Resource Management, conducted Mentor Mentee meeting on 16.07.2024, and discussed the Career guidance, ICAR Preparation, Learning Skills on SCUBA & Snorkelling</p> <p>3. Dr. V. Ezhilarasi, Assistant Professor, Department of Aquaculture, conducted mentor mentee meeting on 12.08.2024, and discussed to undertake mini research activities on Live feed culture and SWOT analysis for the individuals</p> <p>4. Dr. S. Selvaraj, Assistant Professor, Department of Aquaculture, the Mentor Mentee meeting was conducted on 15.08.2024, and discussed students were advised to use the library and online resources to collect the literatures and prepare the article</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|--|---|----------------------------|-----------------|----------------------------|-----------------|----|-----------------|--|------------------|------------|----|-----------------|---|-----------------------|------------|----|------------------|---------------------------------|---------------------|------------|----|-----------------------------|----------------------------------|----------------|------------|----|-------------------------------------|--|--------------------|------------|----|----------------|--|------------------|------------|----|---------------------|--|----------------|------------|----|-------------------|--|------------------|------------|----|--------------------|---|-----------------|------------|
| 2. | <p>2. Academic auditing</p> <p>The academic auditing was the students were by the made to understand the out came of the course completed for the following courses by the following course auditors:</p> <table><tr><th>Sl. No</th><th>Name of the Course teacher</th><th>Course</th><th>Name of the Course Auditor</th><th>Date of Conduct</th></tr><tr><td>1.</td><td>Dr. S. Selvaraj</td><td>FS – 301 Finfish Hatchery Management 3 (2 + 1)</td><td>Dr. L. Surulivel</td><td>13.09.2024</td></tr><tr><td>2.</td><td>Dr. S. Selvaraj</td><td>FS – 302 Introduction to Biotechnology and Bioinformatics 3 (2 + 1)</td><td>Dr. C. Lloyd Chrispin</td><td>30.09.2024</td></tr><tr><td>3.</td><td>Dr. S. Saravanan</td><td>FS – 303 Pharmacology 3 (2 + 1)</td><td>Dr. N. Muralidharan</td><td>20.09.2024</td></tr><tr><td>4.</td><td>Dr. A. Uma Dr. S. Saravanan</td><td>FS- 304 Fish Toxicology 2 (1+ 1)</td><td>Dr. K. Masilan</td><td>30.09.2024</td></tr><tr><td>5.</td><td>Dr. N. Jayakumar Dr. N. Moulitharan</td><td>FS – 305 Fish Population Dynamics and Stock Assessment 3 (2 + 1)</td><td>Mr. D. Arun Jenish</td><td>23.10.2024</td></tr><tr><td>6.</td><td>Dr. K. Masilan</td><td>FS – 306 Fish By-Products and Waste Utilizations 2 (1 + 1)</td><td>Dr. D. Kaviarasu</td><td>13.08.2024</td></tr><tr><td>7.</td><td>Dr. N. Muralidharan</td><td>FS – 307 Microbiology of Fish and Fishery Products 3 (2 + 1)</td><td>Mrs. B.R. Sona</td><td>19.09.2024</td></tr><tr><td>8.</td><td>Dr. V. Ezhilarasi</td><td>FS – 308 Aquaculture Engineering 3 (2 + 1)</td><td>Dr. S. Saravanan</td><td>15.10.2024</td></tr><tr><td>9.</td><td>Mr. D. Arun Jenish</td><td>FS – 309 Fishing Craft Technology 2 (1 + 1)</td><td>Dr. S. Selvaraj</td><td>30.09.2024</td></tr></table> | Sl. No | Name of the Course teacher | Course | Name of the Course Auditor | Date of Conduct | 1. | Dr. S. Selvaraj | FS – 301 Finfish Hatchery Management 3 (2 + 1) | Dr. L. Surulivel | 13.09.2024 | 2. | Dr. S. Selvaraj | FS – 302 Introduction to Biotechnology and Bioinformatics 3 (2 + 1) | Dr. C. Lloyd Chrispin | 30.09.2024 | 3. | Dr. S. Saravanan | FS – 303 Pharmacology 3 (2 + 1) | Dr. N. Muralidharan | 20.09.2024 | 4. | Dr. A. Uma Dr. S. Saravanan | FS- 304 Fish Toxicology 2 (1+ 1) | Dr. K. Masilan | 30.09.2024 | 5. | Dr. N. Jayakumar Dr. N. Moulitharan | FS – 305 Fish Population Dynamics and Stock Assessment 3 (2 + 1) | Mr. D. Arun Jenish | 23.10.2024 | 6. | Dr. K. Masilan | FS – 306 Fish By-Products and Waste Utilizations 2 (1 + 1) | Dr. D. Kaviarasu | 13.08.2024 | 7. | Dr. N. Muralidharan | FS – 307 Microbiology of Fish and Fishery Products 3 (2 + 1) | Mrs. B.R. Sona | 19.09.2024 | 8. | Dr. V. Ezhilarasi | FS – 308 Aquaculture Engineering 3 (2 + 1) | Dr. S. Saravanan | 15.10.2024 | 9. | Mr. D. Arun Jenish | FS – 309 Fishing Craft Technology 2 (1 + 1) | Dr. S. Selvaraj | 30.09.2024 |
| Sl. No | Name of the Course teacher | Course | Name of the Course Auditor | Date of Conduct | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. | Dr. S. Selvaraj | FS – 301 Finfish Hatchery Management 3 (2 + 1) | Dr. L. Surulivel | 13.09.2024 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | Dr. S. Selvaraj | FS – 302 Introduction to Biotechnology and Bioinformatics 3 (2 + 1) | Dr. C. Lloyd Chrispin | 30.09.2024 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | Dr. S. Saravanan | FS – 303 Pharmacology 3 (2 + 1) | Dr. N. Muralidharan | 20.09.2024 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. | Dr. A. Uma Dr. S. Saravanan | FS- 304 Fish Toxicology 2 (1+ 1) | Dr. K. Masilan | 30.09.2024 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. | Dr. N. Jayakumar Dr. N. Moulitharan | FS – 305 Fish Population Dynamics and Stock Assessment 3 (2 + 1) | Mr. D. Arun Jenish | 23.10.2024 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. | Dr. K. Masilan | FS – 306 Fish By-Products and Waste Utilizations 2 (1 + 1) | Dr. D. Kaviarasu | 13.08.2024 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7. | Dr. N. Muralidharan | FS – 307 Microbiology of Fish and Fishery Products 3 (2 + 1) | Mrs. B.R. Sona | 19.09.2024 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8. | Dr. V. Ezhilarasi | FS – 308 Aquaculture Engineering 3 (2 + 1) | Dr. S. Saravanan | 15.10.2024 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9. | Mr. D. Arun Jenish | FS – 309 Fishing Craft Technology 2 (1 + 1) | Dr. S. Selvaraj | 30.09.2024 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

(iii) College of Fisheries Engineering, Nagapattinam

| Sl.No | Innovations made |
|-------|--|
| 1 | Work Initiated to revise the B.Tech Fisheries Engineering and B.Tech Energy and Environmental Engineering syllabus to include industry oriented advanced topic of more Engineering aspects, instrumental parts, IOT, designing and fabrication energy optimization in the aquaculture system, AI & ML assisted fisheries activities, more civil engineering courses to make the graduates fitting for the job in the Engineering Wing of the State fisheries Department. |

4. Inter-disciplinary programmes started: Nil

| Name of the programme | Started during the year |
|-----------------------|-------------------------|
| | |

5. Examination reforms implemented

(i) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| Name of the reforms | Implemented during |
|--------------------------|--|
| Sharing MCQs to students | Dr. S. Selvaraj, Assistant Professor & Head i/c, Department of Aquaculture shared one set of question paper containing 100 MCQs on Fish Nutrition and Feed Technology and Principles of Aquaculture course for conducting mock test to the III B.F.Sc., students (2021-22 Batch) |

(ii) College of Fisheries Engineering, Nagapattinam

| Name of the reforms | Implemented during 2 nd Quarter |
|--------------------------|---|
| 1. Continuous Assessment | Encouraging a variety of assessment methods, such as project work, presentations, practical exams, and portfolios. |
| 2. Feedback Mechanisms | <ul style="list-style-type: none">Implementing systems that provide timely and constructive feedback to students, enabling them to understand their strengths and areas for improvement.Promoting the use of feedback as a tool for learning and growth, rather than just a means of evaluation. |
| 3. Authentic Assessments | Moving away from purely theoretical assessments towards evaluations that reflect the practical aspects of learning. |

6. Candidates qualified: JRF/AIEEA-PG/NET/ARS

(i) Fisheries College & Research Institute, Thoothukudi

| Name of the Candidate | Qualified in |
|--------------------------------------|--------------|
| Lidya Wilwet - M.F.Sc. 2015-16 batch | ARS |

7. Initiative towards faculty development programme

(i) Fisheries College & Research Institute, Thoothukudi

| Sl.No | Initiative taken towards faculty development programme |
|-------|--|
| 1. | Dr. U. Arisekar, Assistant Professor (Contractual) , participated in the online training on "Excellence in Pearl Culture organized by CoFS, Haryana, and MANAGE, Hyderabad, from 14.10.2024 to 16.10.2024. |
| 2. | Dr. U. Arisekar, Assistant Professor (Contractual) attended online training on "Nutrition-Sensitive Agriculture" hosted by KAU, Karnataka and MANAGE, Hyderabad, from 21.10.2024 to 23.10.2024 (10 AM to 3 PM). |
| 3. | Dr. R. Shalini, Assistant Professor, Dr. B. Sivaraman, Assistant Professor and Dr. U. Arisekar, Assistant Professor (Contractual) attended online training on "Implementation of HACCP for Fisheries and Aquaculture conducted by FAO, Rome from 21.10. 2024 to 23.10.2024 (5 AM to 7 PM). |
| 4. | Dr. U. Arisekar, Assistant Professor (Contractual) attended online training on "IoT, GIS and AI for enhancing Extension Advisory Services in Agriculture " conducted by MANAGE, Hyderabad, from 27.10.2024 to 30.10.2024 |
| 5. | Dr. U. Arisekar, Assistant Professor (Contractual) attended the Webinar on "Climatic Change and Agricultural Ecosystem using ECHO" conducted by MANAGE, Hyderabad, on 08.11.2024 |
| 6. | Dr. U. Arisekar, Assistant Professor (Contractual) attended the International Student Conference (online mode) on "Globalization of Fisheries Education: Challenges and Opportunities" conducted by ICAR-CIFE from 21.11.2024 to 22.11.2024. |
| 7. | Dr. U. Arisekar, Assistant Professor (Contractual) attended online training on "Extension for Climatic Resilient Agriculture" conducted by MANAGE, Hyderabad, from 18.11.2024 to 22.11.2024 |

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| Sl.No | Initiative taken towards faculty development programme |
|-------|--|
| 1. | All faculties attended an online webinar on "Patent filing norms and procedure" organized by the Directorate of Research, TNJFU, Nagapattinam on 04.12.2024. Speaker was Shri Lakshmi Narayanan, Intellectual Property Office, Govt. of India. |

(iii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

| Sl.No | Initiative taken towards faculty development programme |
|-------|---|
| 1. | Mrs.S. Archana, Assistant professor, Department of Fishing Technology and Fisheries Engineering attended One-week National Faculty Development Program on Exploring Use of AI Tools in Research conducted by Nucleus of Learning and Development from 30 December 2024 to 4 January 2025 through online mode. |

(iv) Paraprofessional Institute of Aquaculture, Muttukadu

| Sl.No | Initiative taken towards faculty development programme |
|-------|---|
| 1. | DIVA faculties were encouraged to update knowledge with recent technologies |

(v) Paraprofessional Institute of Fishing Technology, Ramanathapuram

| Sl.No | Initiative taken toward faculty development program |
|-------|---|
| 1. | Dr. Vignaesh D. and Dr. Mohammed Akram Javith participated in the National Workshop "Ponshrimp' 24" on "Striking a balance between the export market and domestic consumption of shrimp" on 13.12.2024 at Dr. M.G.R. Fisheries College and Research Institute, Ponneri. |

8. Total number of seminars/workshops/conferences conducted



(i) Fisheries College & Research Institute, Thoothukudi

| Name of the Seminars/Workshops/conference | Date |
|--|------------|
| One-day training on "Preparation of fertilizer using fish solid waste" conducted at Fisheries College and Research Institute, Thoothukudi. | 28.10.2024 |
| One day training on " Preparation of fertilizer using fish solid waste " was conducted at DAEM, FC&RI, Thoothukudi on 28.10.2024. Dr. V. Rani, Professor and Head, DAEM, served as Training Coordinator. In the inaugural function of the programme, Dr. V. Rani, Professor and Head, DAEM welcomed the gathering. Dr. B. Ahilan, Dean felicitated and elaborated the importance of compost preparation using fish solid waste. Dr. V. Rani, Professor and Head of Department of Aquatic Environment Management delivered the lecture on "Importance of compost preparation from fish solid | |

wastes, Various methods of fish compost preparation and Preparation of fish liquid fertilizer”. Dr. D. Manimekalai, Assistant professor, Department of Aquatic Environment Management, delivered the lecture on “Microbes in fish composting and enhancement of composting process”. In the afternoon session, Dr. V. Rani, Dr. D. Manimekalai and Dr. A. Juliet Selvarani, Assistant Professor (C) demonstrated the **“Fish Compost preparation using saw dust and sugarcane baggasse”** during the practical session. A total of 44 participants from the Kamaraj Arts and Science College and Pope’s College were participated and benefitted through this training. The participants were provided with a certificate and pamphlets at the valedictory programme.



| | |
|---|------------|
| One Day High-End Workshop On “Analytical, Advances, Opportunities, and Challenges in Marine Biomolecules” | 13.12.2024 |
| One Day High-End Workshop On “Analytical, Advances, Opportunities, and Challenges in Marine Biomolecules” was organised in collaboration with CIFT, Cochin under SCSP at DFQAM, FCRI, Thoothukudi | |

| | |
|--|------------|
|  | |
| Awareness programme on "Importance of introduction of trolling line in Traditional fishing sector" held at Kombuthurai fishing village | 21.11.2024 |
| <p>Awareness programme on "Importance of introduction of trolling line in Traditional fishing sector"</p> <p>In connection with celebration of World Fisheries Day 2024, the Department of Fishing Technology and Fisheries Engineering organized an awareness program entitled "The Importance of Introducing Trolling Lines in the Traditional Fishing Sector." The programme was held at Kombuthurai fishing village of Thoothukudi district on 21.11.2024 at 3:00 PM. A total of 30 fishermen from Kombuthurai fishing village participated in the programme. Dr. T. Ravikumar, Assistant Professor and Principal Investigator presided over the event and delivered a lecture on "Significance of using trolling lines in traditional fishing practices to capture high-value predatory fishes". The faculty members, postgraduate students of DFTFE and TANII project staff coordinated the programme.</p> | |
|  | |
| Training program on "Freshwater Ornamental Fish culture" | 21.10.2024 |
| Awareness program on "Building the resilience of saviors of Sea" | 21.11.2024 |
| Training programme on "Freshwater Fish culture" | 30.12.2024 |
| <p>Training program on "Freshwater fish culture" conducted on 30.12.2024</p> <p>A training programme on "Freshwater fish culture" was organized by the Department of Fisheries Extension, Economics and Statistics on 30.12.2024 in</p> | |

collaboration with TVS Srinivasan Services Trust, Srivaikundam, Thoothukudi. Training programs covered the topics such as commercially important freshwater fishes, freshwater fish pond preparation, equipment and infrastructure development, Water quality management in freshwater fish culture, Marketing, economics, and entrepreneurship development in freshwater fish culture farms followed by a farm visit along with hands-on training on Best Management Practices (BMPs), feeding, water quality management of freshwater fish culture ponds. A total of 22 trainees attended and benefitted from the training programme.



(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| Name of the Seminars/Workshops/conference | Date |
|---|------------|
| Mr. D. Arun Jenish, Assistant Professor, TNJFU-Dr.MGR Fisheries College and Research Institute, Ponneri celebrated the World Fisheries Day in a grandeur manner in collaboration with the Department of Fisheries and Fishermen Welfare, Government of Tamil Nadu and the Thiruvallur District Fishermen Sangams Federation (TDFSF) on 21.11.2024 at Pulicat. More than 100 fishermen and fisherwomen from Pulicat region participated in the | 21.11.2024 |

(iii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

| Name of the Seminars/Workshops/conference | Date |
|--|---------------------------------|
| National Webinar on "Battling Antimicrobial Resistance in Aquaculture: Who Holds the Key?" | 21.11.2024 (10.00 am – 1.00 pm) |

(iv) Institute of Fisheries Biotechnology, Vaniyanchavadi

| Name of the Seminars/Workshops/conference | Date |
|---|------|
| Expert talk on "Intellectual Property Right" was arranged on 13.08.2024 for the benefit of the students and faculty members | |

(v) TNJFU-Fisheries Business School, Vaniyanchavadi

| Name of the Seminars/Workshops/conference | Date |
|---|----------------------------------|
| Stress Management at the Work Place and Ways to Overcome It | 11.11.2024 (Mrs. P. Sashikala) |
| How to Start an E-Commerce Business | 12.11.2024 (Mrs. A. Anitha) |
| Secret of Success in Life | 23.11.2024 (Dr. Thiruppathi KTM) |

(vi) College of Fish Nutrition & Food Technology, Madhavaram

| Name of the Seminars/Workshops/conference | Date |
|--|------------|
| CFNFT conducted Sports Day for B. Tech. (FT) students. <ul style="list-style-type: none"> • Chief Guest, Mr. E. Murugan, District Educational Officer (DEO) of Chennai North during his address highlighted the vital role of physical education in shaping well-rounded individuals. • Green House secured the Winner's Trophy, while the Red House secured the Runner-Up Trophy. | 04.10.2024 |
| ' FoSTAC Advance Manufacturing – General & COVID ' CFNFT organized a one-day training program on ' FoSTAC Advance Manufacturing – General & COVID ' by Ms. Ramya Kannan, FoSTAC training resource person from SGS, India (FSSAI Approved Training Partner). Forty students of III year of B. Tech. (FT) attended the training and received certificates. | 06.10.2024 |
| Spoken English App - Speakili CFNFT arranged a demonstration and launch of Spoken English App - Speakili to the B Tech. (FT) students of 2022-23 and 2024-25 batch. The demo was conducted by Dr. K. Leena Anil, Founder, Sunny Edtech, Chennai | 11.11.2024 |
| "Innovation in Food Technology Projects. CFNFT conducted Workshop " Innovation in Food Technology Projects " with Guest Speakers Dr. N. Ramasubramanian, Food Technology Consultant and Food Safety Auditor and Mr. S. B. Chandrasekaran, Consultant on Strategic Business Consultancy-Food/FMCG/E-Commerce, Chennai invited as Industrial Experts. Forty-two students of 2021-22 batch of B.Tech. Food Technology presented their final year project ideas to industry experts | 16.11.2024 |
| Constitution Day (Samvidhan Divas) CFNFT celebrated Constitution Day (Samvidhan Divas) and conducted various competitions such as: <ul style="list-style-type: none"> i) Quiz Competition on Constitution of India ii) Essay Writing Competition conducted on the topic 'History of the Indian Constitution. | 26.11.2024 |
| World Fisheries Day Online Webinar conducted on the topic of " Fish Waste Utilization: Key for Sustainability in Fish Processing Sector " on 26.11.2024 through hybrid | 26.11.2024 |

| | |
|--|------------|
| mode by Guest speaker of Dr. K. Elavarasan, Scientist, Fish Processing Division, ICAR – Central Institute of Fisheries Technology at CFNFT | |
| National Agricultural Day CFNFT conducted an awareness program for school students on Agricultural Education as a part of National Agricultural Day. About one hundred and sixty senior secondary students (class XI and XII) of Bosco Academy Matriculation School, Madhavaram attended the program | 07.12.2024 |

9. Research projects a) Ongoing b) completed (The data should be up to date and relevant with each column)

(i) Fisheries College & Research Institute, Thoothukudi

a) Ongoing Research projects

| Sl.No | Name of the faculty | Title of the project | Funding Agency | Budget of the project | Salient Research findings (In bullets) |
|-------|--|---|-----------------|-----------------------|--|
| 1. | Dr. C. Judith Betsy | Livelihood improvement of women through skill development in ornamental fish farming with special emphasis on production of attractive and high-quality ornamental fishes | DSIR | 25.0 lakhs | <ul style="list-style-type: none"> Detailed below |
| | <ul style="list-style-type: none"> 60 days culture period of fish feed with animal based protein is completed. Digestive enzyme analysis, carotenoids estimation were carried out. Growth parameters were analysed. Tanks were distributed to the beneficiaries for demo purpose. Feeds were prepared for the second trial by using spirulina and marigold. Compilation of results was carried out. | | | | |
| 2. | Dr. D. Manimekalai | Evaluation of enriched bacterial consortium for the treatment of ammonia and nitrite in aquaculture waste water | TNSCST, Chennai | 1.75 lakhs | <ul style="list-style-type: none"> Detailed below |
| | Work done : <ul style="list-style-type: none"> Presented the I year project progress report in the presence of expert committee chaired by Member Secretary, TNSCST at TNSCST Head office, DOTE Campus, Chennai on 24.10.2024. II year budget of Rs.35,000/- has been received to carry out the work Bacterial degradation efficiency on ammonia was carried out Bacterial isolates were selected for the consortium development The identified three strains <i>Burkholderia</i> sp., <i>Rhizobacterium</i> sp., <i>Agrobacterium</i> sp of ammonia degraders were further proceeded to develop a bacterial consortium Three stains were inoculated separately in the 250 mL conical flask with 100mL Luria or | | | | |

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|----|---|---|---|----------------------------|--|
| | <p>Nutrient broth and incubated in orbital shaker at 200 rpm for 12 hours.</p> <ul style="list-style-type: none"> • 5mL from each are centrifuged at 5000 rpm for 15 min followed by saline solution were added to the pellet and vortexed the mix well • 0.1mL from each flask added to fresh sterile Luria broth and incubated for a day. • For the assessment of synergistic/antagonistic effect between the bacteria, every 12 hours growth were measured in spectrophotometer at 600nm. | | | | |
| 3. | Dr. N. Jayakumar | Assessment of spawning seasonality of major marine fishery groups along the coast of Tamil Nadu for sustainable fishery management | Tamil Nadu State Planning Commission (TANII Scheme) | 146.80 Lakhs (2022-24) | <ul style="list-style-type: none"> • Detailed below |
| | <ul style="list-style-type: none"> • Received GO for the financial sanction of the second instalment of Rs. 46,65,000/- • Submitted a request to the Registrar to make arrangements for the release of the second installment based on the GO. | | | | |
| 4. | Dr. N. Jayakumar | Assessment of <i>Portunus pelagicus</i> stock based on length–frequency, spawning potential ratio and occurrence of berried female caught in bottom set gillnet from Palk Bay region | Crab Meat Processors Association, Thoothukudi | 5.00 Lakhs (2023 – 24) | <ul style="list-style-type: none"> • Detailed below |
| | <ul style="list-style-type: none"> • Analysed the data collected • Prepared Utilization Certificate • Made arrangements for the payment of institutional charges to the University. | | | | |
| 5. | Dr. R. Durairaja | Assessment of biodiversity and biomass of non–target fish species caught in bottom set gillnet for blue swimming crab in Palk Bay region | Crab Meat Processors Association, Thoothukudi | 4.60 Lakhs (2023 – 24) | <ul style="list-style-type: none"> • Detailed below |
| | <ul style="list-style-type: none"> • Prepared Utilization Certificate. • Made arrangements for the payment of institutional charges to the University. | | | | |
| 6. | Mr. K. Karuppasamy | Studies on Taxonomic evaluation and Stock Assessment of Marine Clupeiformes fishes (Family: Clupeidae and Engraulidae) employing traditional and molecular tools along the Coromandel coast of Tamil Nadu, Southeast coast of India | TNJFU-Junior Teacher Research Fellowship | Rs. 2.00 Lakhs (2022 - 23) | <ul style="list-style-type: none"> • Detailed below |
| | <ul style="list-style-type: none"> • Received second instalment amount Rs.1.0 lakh from the University on 30.12.2024 • Catch and Effort data collected from the Fisheries Department of Nagapattinam and Chennai. • Collected and analyzed morphometrics study of 20 Clupeid species | | | | |
| 7. | Dr. B. Chrisolite – PI | National Surveillance programme for Aquatic | PMMSY through | 52.20 Lakhs | <ul style="list-style-type: none"> • Detailed below |

| | | | | | |
|--|--|---------------------------|------------|--|--|
| | Dr. P. Sivasankar – Co-PI | Animal Diseases –Phase II | ICAR-NBFGR | | |
| | <p>Sample collection: Twenty-three (<i>P. vannamei</i>) samples were collected from Tirunelveli, Nagapattinam, Pudukkottai, Thanjavur and Ramanathapuram districts shrimp farms.</p> <ul style="list-style-type: none"> Seventeen shrimp samples (<i>P. vannamei</i>) were analyzed for the presence of WSSV. One sample gave positive result of WSSV. Nineteen shrimp samples were (<i>P. vannamei</i>) analyzed for the presence of EHP. Nine samples gave positive result for EHP. Fifteen shrimp samples were analyzed for the presence of IMNV. The analysis gave negative result <p>AHPND Analysis: Twenty nine bacterial isolates isolated from TCBS plates were analysed for the presence of AHPND. The analysis gave negative result. Fourty bacterial isolates isolated from TCBS plates and stored for further analysis</p> <p>Cell culture</p> <p>Maintained the following cell lines</p> <p>SSN1 –P1136, TLi-63, SBKD -116, KCFN - 81, Fusion flask – P529, CFSP –P530, CFBR –527, CFFN2- 466, Koi Gill-313.</p> <p>Fish Analysis:</p> <ul style="list-style-type: none"> Tilapia fish (3 samples) and snakehead fish samples collected from Madurai Fish Markets processed in SSN1 cell line for the presence of viral agent. Pacu (Rupchand fish) sample collected from VK Pudur, Tenkasi district processed in SSN1 cell line for the presence of viral agent Pacu (Rupchand fish) samples collected from VK Pudur, Tenkasi district were analysed for the presence of Tilapia lake virus, Tilapia parvovirus Rhabdovirus and <i>Aeromonashydrophila</i>. The analysis gave positive result for <i>Aeromonas hydrophila</i>. Snakehead fish sample collected from Thanjavur district processed in SSN1 cell line for the presence of viral agent Snakehead fish sample collected from Thanjavur was analysed for the presence of <i>Aphanomyces invadans</i> by PCR. The analysis gave negative result Tilapia fish samples collected from Barur, Krishnagiri district were processed in SSN1 and TLi cell line for the presence of viral agent. Tilapia fish samples collected from Dharmapuri district were processed in SSN1 and TLi cell line for the presence of viral agent. Etroplus fish samples collected from Kanniyakumari district Processed in SSN1 and TLi cell line for the presence of viral agent. Tilapia samples collected from Barur, Krishnagiri district was processed for PCR analysis for presence of Tilapia Parvovirus. The analysis gave positive result. Tilapia samples collected from Barur, Krishnagiri district was processed for PCR analysis for presence of Tilapia Parvovirus. The analysis gave negative result for Tilapia lake virus. | | | | |

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| | <ul style="list-style-type: none"> Tilapia samples collected from Dharmapuri district fish farm were analysed for the presence of Tilapia lake virus and Tilapia Parvovirus. The analysis gave negative result Etroplus fish samples were collected from Kanniyakumari district were analysed for the presence of Tilapia lake virus and Tilapia Parvovirus. The analysis gave negative result | | | | |
| 8. | Dr. T. Ravikumar | Design and development of Troller for the exploitation of high valued pelagic fishes from Thoothukudi coast | TANII, Thoothukudi District | 39.90 Lakhs | <ul style="list-style-type: none"> Detailed below |
| | <ul style="list-style-type: none"> The fund of Rs. 21,63,570/- has been mapped to our user facility on 22.10.2024 from the TANII (SPC). Had discussion with officers of TANII- SPC to rectify the lapse in the SNA child account particulars in the Fund management solution software. Finalized the advertisement and uploaded in the TNJFU website on 24.10.2024 for the recruitment of manpower SRF and Deck hand. Visited Kombuthurai fishing village on 12.10.2024 and 26.10.2024 and documented the design details of the FRP Vallam and catch particulars from trolling line fishing. Had discussion with the active fishermen on the design aspects of their fishing vessel and troll line fishing method. Submitted a report on physical and financial progress of the project for 3rd review meeting held on 29.10.2024 Attended 3rd review meeting held on 29.10.2024 through online and presented physical and financial progress of the project. Visited FRP boat building yard on 16.10.2024 at Tharuvaikulam and had discussion with the FRP boat builder regarding new designs and moulds available at their yard. Action was taken on to get approval from the Registrar, TNJFU for the purchase of Non-Recurring items such as (i) Construction of FRP mould; (ii) FRP Troller Boat and (iii) Out board engine with accessories with a total cost of Rs.15,00,000 (Rupees fifteen lakhs only) on and permission was got on 20.11.2024. Action was initiated for the purchase of Out board engine and accessories from GEM portal. Interview was conducted to appoint scheme staff such as Senior Research Fellow (1 No.) and Deck hands (2 Nos.) on 14.11.2024. All the three scheme staff reported for duty on 15.11.2024 and was considered as a date of start of the scheme The collection of data on operational performance of the existing line fishing boats in Kombuthurai was started on 16.11.2024. Project staff were also sent to Kombuthurai fishing village to collect basic data pertaining to the project on 19.11.2024 and 21.11.2024. An awareness programme on "The need for the introduction of Exclusive trolling fishery for the traditional fishing sector" was conducted on 21.11.2024 at Kombuthurai fishing village of Thoothukudi district under the project. A total of 30 fishermen participated in the awareness programme. The awareness programme was conducted to know the | | | | |

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| | <p>required number of Troller boats to be constructed from the proposed FRP Troller mould for adoption.</p> <ul style="list-style-type: none">• An offline meeting was conducted on 26.11.2024 at the Department of Fishing Technology and Fisheries Engineering, FC&RI, Thoothukudi on purchasing of machineries in the GEM portal with the Co-Principal Investigators of the scheme.• The feedback from the fishermen revealed the requirement of improved Trolling technology is required in addition to lining fishing being practised by the fishermen of Kombuthurai• A team of experts, PI, Co-PI, boat builder, Naval architect, scheme staff and Fishermen were visited Inigo Nagar, Kombuthurai and Singithurai for the detailed survey on 28.11.2024• Action has been initiated for the purchase of Outboard engine from GEM portal.• Project staff collected data such as catch effort and length weight from the catches of existing troll line fishing boats in Kombuthurai on 05.12.2024, 10.12.2024, 16.12.2024, 19.12.2024, 23. 12.2024 and 27.12.2024• Action has been initiated for the purchase of Out board engine through online bidding from GEM portal on 07.12.2024,• The bid was opened on 20.12.2024 and the letter was drafted to the purchase committee for further approval• Monthly report on Physical financial progress of the TANII- Troller project was submitted to university for onward transmission to SPC-TANII on 13.12.2024.• Made a report on design faults observed in the designs of Existing Trolling line boats operated at Kombuthurai fishing village | | | | |
| EDII-MPBIF related activities | | | | | |
| 9. | Dr. P. Ganesan Hub Coordinator | Establishment of Marine Products business incubation forum | EDII, Chennai | 250 lakhs | <ul style="list-style-type: none">• Detailed below |
| | EDII-MPBIF related activities <ul style="list-style-type: none">• Quotation called for Repair of Bottle Capping Machine• Submitted the Best Practices of EDII-MPBIF, DFPT, FCRI, Thoothukudi to the funding agency EDII on 18.11.2024 for the Chief Secretary meeting.• Submitted the Best Practices of the start-ups of the EDII-MPBIF, DFPT, FCRI, Thoothukudi to the funding agency EDII on 18.11.2024 for the Chief Secretary meeting.• Submitted IPR details of the start-ups of the EDII-MPBIF, DFPT, FCRI, Thoothukudi to the funding agency EDII on 18.11.2024 for the Chief Secretary meeting.• Submitted progress report of the EDII-MPBIF, DFPT, FCRI, Thoothukudi up to November 2024 to the funding agency EDII on 19.11.2024.• Submitted write up on EDII-MPBIF with current status in Tamil Version on 20.11.2024. | | | | |

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| | <ul style="list-style-type: none"> Submitted details on activities of research and EDII-MPBIF, DFPT, FCRI, Thoothukudi for the Annual report via email on 21.11.2024. Submitted details on research activities and EDII-MPBIF activities of the DFPT on 21.11.2024 for Annual report compilation Generated FSSAI registration certificate for the value added fish and fishery products manufactured under EDII-MPBIF, DFPT, FCRI, Thoothukudi. Submitted particulars of EDII-MPBIF, DFPT, FCRI, Thoothukudi for booklet preparation to the funding agency on 20.12.2024. |
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b) Completed Research projects

| Sl.No | Name of the faculty | Title of the project | Funding Agency | Budget of the project | Salient Research findings (In bullets) |
|-------|--|---|------------------------|-----------------------|--|
| 1 | Dr. G. Arul Oli | Title: Demonstration on advanced aquaculture and fisheries technologies for augmenting the production and livelihoods of Scheduled Caste fisherfolk of southern coastal Districts of Tamil Nadu | ICAR-CIFE | 6.0 lakhs | <ul style="list-style-type: none"> Detailed below |
| | <ul style="list-style-type: none"> Conducted six training programs on vannamei shrimp farming, freshwater ornamental farming, marine ornamental fish farming, seaweed farming, Cage culture, and Use of ICT tool in fishing operation in Feb 5-7, 2024, Feb 19-21, 2024, March 4- 6 2024, March 13-15 2024 and May 20-22 2024 for 150 SC/ST fisherfolks in Thoothukudi district | | | | |
| 2. | Dr.T.Umamaheswari | The changing dynamics of labour migration on employment, livelihoods and resource productivity patterns in Indian marine fisheries sector | ICAR - NASF, New Delhi | 4.395 lakhs | <ul style="list-style-type: none"> Detailed below |
| | <p>Work Done :</p> <ul style="list-style-type: none"> Data collection, data entry and analysis are in progress Attended II Orientation and Review meeting at ICAR-CMFRI, Kochi from 06.11.2024 to 09.11.2024 Received the I instalment fund for the year 2024-25 on October 25, 2024 Necessary project works to receive the funds from the University and expenditure were carried out | | | | |

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

a) Ongoing Research projects

| Sl. No | Name of the faculty | Title of the project | Funding Agency | Budget of the project | Salient Research findings (In bullets) |
|--------|---------------------|--|-----------------------------------|-----------------------|---|
| 1. | Dr. R. Jeya Shakila | Climatic changes and their role in the emergence of antibiotic resistant <i>Salmonella</i> Montevideo in farmed shrimp and its environment | ICAR-NICRA | Rs. 35 lakh | <ul style="list-style-type: none"> KEGG pathway analysis revealed common metabolic and cellular pathways activated under stress conditions, such as RNA polymerase, carbon metabolism, and nitrogen metabolism |
| 2. | Dr. S.Aruna | "Study on the assessment of fishery resources and its productivity to assess the ecosystem service in the critical ecosystems along East coast of India" | NCCR | 123.91 lakh | <ul style="list-style-type: none"> Length – weight relationship (LWR) was estimated for 5 species in Coringa Mangroves and 10 species in Gulf of Mannar. The input data required for ecopath modeling such as experimental fishing and dietary content analysis of fishes were carried out in Coringa Mangroves. Index of Relative importance of 25 fish species were assessed Data collection (survey) from the fishers of coringa mangrove region for the analysis of RAPFISH technique. |
| 3. | Dr. C. Sudhan, | Digital solutions for the sea turtle conservation in south Tamil Nadu | JTRF Scheme , TNJFU, Nagapattinam | Rs. 1.70 Lakhs | <ul style="list-style-type: none"> Request letter to transfer the second installment is submitted to the Finance Officer, CC to Registrar (i/c), Director of Research, TNJFU, Nagapattinam to submit the final JTRF Project in Dr. MGR FCRI, Ponneri |
| 4. | Dr. Lloyd Chrispin | "Socio – economic and environmental impact study of shrimp farms and Hatcheries in selected districts of Tamil Nadu" | TNJFU - RCF | 14.98 lakhs | <ul style="list-style-type: none"> Interim report submitted to University Awaited for remaining funds 2.18 lakhs from the funding agency |
| 5. | Dr. S. | Standardization of | TNJFU - | Rs. 2.00 | <ul style="list-style-type: none"> Patent related information of green |

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|----|-------------------|---|--|----------------|--|
| | Saravanan | Invitro propagation of commercially important seaweed species of <i>Gracilaria sp</i> of Pazhaverkadu Region for mass multiplication through tissue culture | JTRF | lakhs | seaweed were provided to the Patent office <ul style="list-style-type: none"> Continuation of subculture of seaweeds <i>Gracilaria sp.</i> and <i>Ulva sp.</i> Transfer of tissue culture grown seaweeds of both <i>Gracilaria sp</i> and <i>Ulva sp.</i> were introduced into open pond for acclimatization |
| 6. | Dr. V.Ezhilarasi, | Effect of protein hydrolysates on the growth performances and hekath parameters of <i>L. vannamei</i> | M/s. Kemin Industries. Pvt Ltd. Chennai. | Rs. 5.50 lakhs | <ul style="list-style-type: none"> The university still hasn't received money from Kemin yet. |

b) Completed Research projects: Nil

(iii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

a) Ongoing Research projects

| Sl.No | Name of the faculty | Title of the project | Funding Agency | Budget of the project | Salient Research findings (In bullets) |
|-------|---|--|----------------------------------|-----------------------|---|
| 1. | Dr. S. Santhosh Kumar (Co-PI) & Dr. A. Subburaj (Co-PI) | Assessment of spawning seasonality of major Marine Fishery groups along the coast of Tamil Nadu for sustainable Fishery Management | TANII | Rs. 146.80 lakh | <ul style="list-style-type: none"> One year project report was submitted to funding agency 2nd year fund sanctioned on November 2024 |
| 2. | Dr. Mahadevi | Cost Effective Captive Breeding Technology for <i>Channa Striata</i> (Striped Murrel) for Field Level Adoption | SLURB& State Planning Commission | Rs. 15.18 lakhs | <ul style="list-style-type: none"> Maintenance of brood stock and breeding trials at TNJFU-Madhavaram Campus. All the objectives completed; draft report submitted to the Funding agency. Attended the final review of the scheme by funding agency on 12.12.2024, the final report is approved by |

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| | | | | | the funding agency and final installment will be released |
| 3. | Mr. V. Durai (Co-PI) | Design and Development of Troller for Exploitation of High valued pelagic Fishes from Thoothukkudi Coast | TANII | 39.9 lakhs | <ul style="list-style-type: none"> • Attended online meetings with the members of the project to discuss the Troller designing aspects. • As a Co-investigator of this project we had a Discussion with the team for appointment of 1 SRF and 2 deckhand post for this project during the 1st & 2nd week of this month. • 1 SRF & 2 Deckhand appointed for working under this project during the 3rd week of this month. • Plan to visit the Kombuthurai fishing Village to see the existing troller model fishing operation in Thoothukudi District. |
| 4. | Mrs. S.J. Abisha Juliet Mary | Whole Genome Sequencing of Shrimps and Environmental Samples | US- FDA (JIFSAN) | 57.0 Lakhs | <ul style="list-style-type: none"> • Documentation is in process • Training has been completed • Risk Assessment completed • Registration in Sam.gov is in progress. • NCAGE Code is in process |
| 5. | Dr. S. Kesavan | Assessment of microplastic and debris abundance in Point Calimere wetland and Muthupet mangrove ecosystems | TNJFU-JTRF | 1.70 Lakhs | <ul style="list-style-type: none"> • Assessment of microplastics from water samples collected outside the Muthupet mangrove and Point Calimere wetland ecosystem. • Assessment of microplastics from |

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|--|--|--|--|--|--|
| | | | | | bivalve samples collected outside the Muthupet mangrove and Point Calimere wetland ecosystem |
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b) Completed Research projects – **Nil**

(iv) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi

a) Ongoing Research projects

| Sl.No | Name of the faculty | Title of the project | Funding Agency | Budget of the project | Salient Research findings |
|-------|---------------------|--|----------------|-----------------------|--|
| 1. | Dr. Agarwal Deepak | Deciphering genomic insights associated with adaptation in <i>Etroplus suratensis</i> (Pearl spot) for climate resilient Aquaculture | ICAR-NICRA | Rs. 33.50 Lakhs | <ol style="list-style-type: none"> 1. The LC50 for salinity (45 ppt) and the critical thermal maximum (CTmax) of 34°C for pearl spot was determined. 2. Through the analysis of key genes involved in growth, osmoregulation, and stress response, it was found that pearl spot exhibited the best molecular performance at a salinity of 15 ppt. 3. 21 samples were sequenced using paired-end sequencing, |

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| | | | | | <p>yielding approximately 6 to 9 million reads per sample.</p> <p>4. The assembly resulted in 1,182,614 transcripts or contigs representing 1,128,525 genes.</p> <p>42,643 differentially expressed genes (DEGs) were identified across all samples compared to control.</p> |
| 2. | Dr. V. Kaliyamurthi | Understanding the mechanism of resveratrol and IL-17 knockdown on macrophage via NFkB signaling pathway under Metabolic stress conditions | DST SERB – CRG | Rs. 45.00 Lakhs | First year allotment of Rs. 18.00 lakhs had been released. IAEC cleared. JRF induced Project is on progress. |
| 3. | Dr. AmbikaBinesh | Investigation on molecular crosstalk of inflammatory hub NFkB and NICD using zebrafish model | DST SERB – SRG | Rs. 31.1 Lakhs | <p>Second year objectives completed.</p> <p>1.The elucidation of notch pathway proteins revealed that inflammation activates the notch receptor (Notch 1 and ligand (DLL1) interaction, which regulates the transcription of the notch intracellular domain, overexpressing the target</p> |

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| | | | | | proteins (Hes1 and Hey1). |
| 4. | Dr. AmbikaBinesh | Exploration of the Notch signaling pathway in regulating macrophage differentiation and IL-6 expression in deep vein thrombosis: Insights from Notch knockdown studies | ICMR-IIRP | Rs. 69.00 lakhs | Ongoing |
| 5. | Dr. Amit Ranjan | Electron beam irradiation and its effect on anti - nutritional factors, digestibility and mycotoxin levels of aqua feed ingredients. | UGC-DAE | Rs. 1.95 lakhs | Sanction awaited |
| 6. | Dr. Amit Ranjan | Nutrigenomic studies on feed development for larvae of striped Murrel (Channa striata)" | DBT, GoI | Rs. 50.38 lakhs | Pursuing |

b) Completed Research projects – **Nil**

(v) Paraprofessional Institute of Aquaculture, Muttukadu

a) Ongoing Research projects

| Sl. No | Name of the faculty | Title of the project | Funding Agency | Budget of the project (in lakh) | Salient findings Research |
|--------|---------------------|---|------------------------------|---------------------------------|---|
| 1 | Dr. P. Chidambaram | Establishment of Fisheries demonstration units at AIRLIVAAS | NABARD & Govt. of Tamil Nadu | 267.0 | <ul style="list-style-type: none"> Entrepreneurs, farmers and fisherfolk of Salem and nearby district were trained on aquaponics and |

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| | | | | | ornamental fish culture techniques. Totally three training programs and one awareness program was conducted. |
| 2 | Dr. P. Chidambaram | Empowerment of Artisanal Fisherfolk of Pazhaverkadu area through Mud Crab Culture Technology | PMMSY | 116.0 | <ul style="list-style-type: none"> Crab hatchery unit was established. Culture of crabs in floating cages was done. |
| 3 | Dr. E. Prabu (Co-PI) | Nutrigenomic studies on feed development for larvae of striped Murrel (<i>Channa striata</i>) | DBT, India | 50.38 | <ul style="list-style-type: none"> Sample collection and transcriptomics analysis has been completed. Manuscript writing is going on. Validation of candidates genes are initiated. |
| 4 | Dr. P. Chidambaram | Tamil Nadu Irrigated Agriculture Modernization Project (TN IAMP)" – Component III | World Bank | 9.0 | <ul style="list-style-type: none"> A cost-efficient brood stock diet for murrel was formulated and prepared. The validation trial is carried on in the cement tanks of DIVA, Muttukadu. Cost-efficient ornamental feed was formulated, prepared and distributed to ornamental farmers of Chengalpattu district. |
| 5 | Dr. E. Prabu | Effects of Dietary <i>Saccharomyces cerevisiae</i> Fermentation Product and Phyto additives on Growth Performance, Nutrient Utilization and Health Status of | USAID | 14.94 | Second feeding trial was completed Analysis related to the second experiment was carried out |

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|---|--------------|---|--------------------------|------------|--|
| | | Pacific White Shrimp, <i>Penaeus vannamei</i> assured. | | | |
| 6 | Dr. E. Prabu | Revolving fund scheme on "Shrimp farming at DIVA" | TNJFU | 8.0 lakhs | Lining of two shrimp ponds were carried out |
| 7 | Dr. E. Prabu | Effects of NagroWall on growth, whole-body composition, and disease resistance in Pacific white shrimp, <i>Penaeus vannamei</i> | Provet Pvt Ltd., Chennai | 1.07 lakhs | The feeding trial was completed The research article was submitted |
| 8 | Dr. E. Prabu | Revolving fund scheme on Aqua feed mill operation at DIVA, Muttukadu | TNJFU | 2.5 lakhs | Feed mill cleaning work was done Feed mill was visited and inspected by KK Life science representative Feed mill top roof work was completed |

b) Completed Research projects

| Sl.No | Name of the faculty | Title of the project | Funding Agency | Budget of the project | Salient Research findings |
|-------|---------------------|---|----------------|-----------------------|---|
| 1 | Dr. P. Chidambaram | Development of Dry Land Integrated biofloc tank and farm pond polyculture system for adoption in fallow land region of Salem District | TNSLURB | 11.18 | Two biofloc tanks (4m dia each) can be used for one farm pond unit of 1000 m ² to run the continuous cyclic process. A total of three crops can be practiced in a year Optimal culture duration in Biofloc tank and farm pond was recorded at 60 days and 80 days respectively for harvest of Gift Tilapia and Freshwater prawn |

(vi) Paraprofessional Institute of Fishing Technology, Ramanathapuram

a) Ongoing Research projects

| Sl.No | Name of the faculty | Title of the project | Funding Agency | Budget of the project | Salient Research findings (In bullets) |
|-------|---------------------|---|----------------|-----------------------|--|
| 1. | Dr. Vinoth Kumar L. | Extraction and Characterization of carotenoprotein from different shrimp processing wastes for its potential as a natural antioxidant in Indian Mackerel mince during storage | TNJFU – JTRF | Rs. 1.12 lakhs | Objective I: To optimize the extraction conditions of carotenoprotein from shrimp shell and head using different enzymes – 100% completed Objective II: To evaluate the bioactive properties of carotenoproteins by in-vitro studies – 100% completed Objective III: To determine the efficacy of carotenoprotein as a natural antioxidant in Indian Mackerel (<i>Rastrelliger kanagurta</i>) mince during storage – work has been initiated – 10% completed |

b) Completed Research projects – Nil

10. Patents generated, if any (Patents filed, published and awarded)

(i) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi

| Patent Granted | Patent No. | Date |
|--|-----------------------------|------------|
| Apparatus for recovery of solvent by HPLC (S. Prakash) | Design Patent NO:434361-001 | 09.12.2024 |

11. New collaboration research programmes

(i) Fisheries College & Research Institute, Thoothukudi

| Sl.No. | Name of the programme | Collaborated with | Date |
|--------|---|-------------------------|---------------|
| 1. | Department of Fisheries Biology and Resources Management | | |
| | Study on the effect of using industrial air compressor water jet pumps while collecting chanks under the seabed and its ecosystem for sustainable fishing and 10 locations in Thoothukudi District.- Dr.R.Durairaja | ICAR-CMFRI, Thoothukudi | November 2024 |

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| Sl.No. | Name of the programme | Collaborated with | Date |
|--------|--|-----------------------------------|------------|
| 1. | SciART – Diaphonization and Plastination in preserving Aquatic Wonders for Education and ART | Thiruvallur District Collectorate | 02.12.2024 |

(iii) Paraprofessional Institute of Aquaculture, Muttukadu

| Sl.No. | Name of the programme | Collaborated with | Date |
|--------|--|---|------|
| 1 | Development of Black Soldier Fly Larvae based feed for murrel – Industry Institute Project | Infinite bioscience, Ambur for feed development will be started | |

12. Research grants received from various agencies

(i) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| Sl.No. | Name of the Research Grant | Year | Agency Name | Amount (Rs.) |
|--------|----------------------------|-------------------------|--------------------------------|--------------|
| 1. | NICRA | October - December 2024 | ICAR – CRIDA under NICRA grant | 3,41,500 |
| 2. | NCCR (GIA) | November 2024 | NCCR | 3,98,142 |

(ii) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi

| Sl.No. | Name of the Research Grant | Year | Agency Name | Amount (Rs.) |
|--------|----------------------------|---------|-------------|-----------------|
| 1. | NICRA | 2020-21 | ICAR | Rs. 33.5 Lakh |
| 2. | SERB – CRG | 2020-21 | DST | Rs. 45 Lakhs |
| 3. | SERB – SRG | 2022-23 | DST | Rs. 31.10 Lakhs |
| 4. | UGC-DAE | 2023-24 | CSR | Rs. 1.95 lakhs |
| 5. | DBT | 2023-24 | DBT | Rs. 50.38 lakhs |

13.Details of research scholars (The data should be up to date and relevant to each column)

(i) Fisheries College & Research Institute, Thoothukudi

| Sl. No. | Name of the Research Scholar and ID.No. of the scholar | Batch | Degree | Title of Research | Research findings | Research output/Product process/Patent |
|---|---|----------|--------|---|-------------------|--|
| Department of Fisheries Biology and Resource Management | | | | | | |
| 1. | Tamil Selvan R U -20 – TN – 03 – 002 – D – F - 009 | 2020 -21 | Ph.D. | Fishery biology and stock status of File fishes (Family: Monacanthidae) along south Tamil Nadu | • Detailed below | Two research papers were prepared from this research |
| | <ul style="list-style-type: none"> A total of 7 species of filefishes belonging to five genera were recorded which include <i>Aluterus monoceros</i>, <i>Aluterus scriptus</i>, <i>Lalmohaniavelutina</i>, <i>Anacanthus barbatus</i>, <i>Paramonacanthus frenatus</i>, <i>Pseudalutarius nasicornis</i> and <i>Paramonacanthus japonicus</i>. Among the seven species recorded, only two species viz., <i>A. monoceros</i> and <i>A. scriptus</i> constituted the fishery. | | | | | |
| 2. | Hari Prasad U-17-GJ-04-004- M-F-005 | 2021-22 | Ph.D. | Diversity, biology and stock assessment of selected penaeid species of southeast coast of Tamil Nadu | • Detailed below | Two research papers were Published in the Journals |
| | <ul style="list-style-type: none"> The study recorded 43 shrimp species from 8 genera and 3 families across three selected stations. Month-wise all diversity indices showed that Nagapattinam had the highest species richness followed by Thoothukudi and Mandapam | | | | | |
| 3. | Kishore Kumar M U-18-TN-03-003- M-F-010 | 2021-22 | Ph.D. | Biodiversity, biology, stock assessment and fishery of elasmobranchs along the coast of south Tamil Nadu, India | • Detailed below | Two research papers were Published in the Journals |
| | <ul style="list-style-type: none"> The present study documented a total of 81 species of elasmobranchs under 10 orders, 26 families, and 44 genera in which the order Carcharhiniformes contributed about 37% followed by Myliobatiformes (28%) and prepared an extended, updated checklist of elasmobranchs along the coast of Southern Tami Nadu, India | | | | | |

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| 4. | Sanjay U-15-CG-02-004-B-F-020 | 2021-22 | Ph.D. | | <ul style="list-style-type: none"> Detailed below | Two research papers were Published in the Journals |
| | <ul style="list-style-type: none"> During the study period, a total of 15 species belonging to two genera: <i>Lethrinus</i> (12 spp.) and <i>Gymnocranius</i> (3 spp.) along the Gulf of Mannar. Maximum species diversity were recorded in Thoothukudi (15 species), followed by Pamban (5 species) and Chinnamuttom (4 species). | | | | | |
| 5. | Ms. Adyasha Sahu, U-16-OD-01-005-B-F-003 | 2022-23 | Ph.D. | Eco-modelling of Manakudy Estuarine Complex Southern Coast of Tamil Nadu | <ul style="list-style-type: none"> Detailed below | |
| | <ul style="list-style-type: none"> A total of 104 estuarine species (finfish and shellfish) belonging to 72 genera, 49 families and 24 orders were collected and identified A total of 12 genera of Zooplankton belonging to 11 families and 3 orders and 56 genera of phytoplankton belonging to 43 families and 34 orders were identified by using standard identification keys and quantified by using Sedgwick rafter cell | | | | | |
| 6. | Ms. Kamei Ringjonmeilu, U-16-TR-01-004-B-F-009 | 2022-23 | Ph.D. | Eco-modelling of Punnakayal-Pazhayakayal Estuarine Complex Southern Coast of Tamil Nadu | <ul style="list-style-type: none"> Detailed below | |
| | <ul style="list-style-type: none"> A total of 105 estuarine species (finfish and shellfish) belonging to 87 genera, 63 families and 40 orders were collected and identified A total of 8 genera of Zooplankton belonging to 8 families and 3 orders and 34 genera of phytoplankton belonging to 27 families and 22 orders were identified by using standard identification keys and quantified by using Sedgwick rafter cell | | | | | |
| | Department of Aquatic Environment Management | | | | | |
| 7. | M. Ponmani | 2022-23 | Ph.D | Assessment of spatio temporal variation of marine litter along the beaches and mangrove ecosystem of Thoothukudicoast | <ul style="list-style-type: none"> Detailed below | |
| | <ul style="list-style-type: none"> Literature relevant to the research topic was collected. Marine litter was collected on a monthly basis from selected beaches and mangrove ecosystems, then classified into ten categories for beaches and nine for mangroves, and processed using standard procedures for separation, sorting, counting, and | | | | | |

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| | <p>experimental concentrations of Low-Density Polyethylene Microplastic (0, 50, 100, and 200 mg/L) to find EC50 value and the value was recorded as 100 ppm</p> <ul style="list-style-type: none"> The cell density and growth rate of <i>Nannochloropsis gaditana</i> at 100 ppm EC50 value was recorded as 50.28 % and 14.71 % respectively Experiments were conducted to study the effect of different concentrations of LDPE-MPs on the growth of <i>N. gaditana</i> for 21 days There was no significant difference was observed on the effect of LDPE-MPs concentrations up to 100 mg/l; however, a considerable decrease in microalgal growth was observed at 200 and 250 mg/l Higher concentrations of LDPE-MPs posed a negative impact on photosynthesis and cell growth Experiments on the effect of LDPE-MPs on pigments like chlorophyll-a, chlorophyll-b, and carotenoids in <i>N.gaditana</i> were observed to be 1.45 ug/ml, 1.96 ug/ml, and 0.62 ug/ml respectively at 250 mg/l LDPE-MP Chronic toxicity experiments were conducted to study the effect of different concentrations of LDPE-MPs on <i>N. gaditana</i> for 21 days The results of the study showed that an increase in concentrations of LDPE leads to a decrease in the carbohydrate content compared to the control and decreased from 35.56 to 16.67g% The inhibitory effect of protein content below 50 mg/l of LDPE-MPs concentrations did not show significant difference. However, 29.14% inhibition of protein content was observed at 250 mg/l The study revealed that high concentration of LDPE significantly affects the protein and carbohydrate content of <i>N.gaditana</i> could be correlated to the decrease in the photosynthetic activity of <i>N. gaditana</i> Popular article entitled "Biological Engineering- The way to restore algal bloom affected water bodies" was published in Agricos e-magazine | | | | |
| 9. | A. Yamini(I-23-TN-03-002-D-F-009) | | Ph.D. | Assessing the efficiency of biodiesel production from fish solid waste generated from Thoothukudi | <ul style="list-style-type: none"> Detailed below |
| | <ul style="list-style-type: none"> Collection of literature related to credit seminar was carried out. The gastrointestinal tract of fish samples which were collected from the last month sampling were digested for the separation of microplastics. The water, sediment and fish samples has been collected from sampling stations such as Rameswaram, Mandapam, Thondi and Devipattinam. | | | | |

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| | <ul style="list-style-type: none"> The sediment samples were subjected to drying and sieving. Then, the sieved samples were digested with 30% hydrogen peroxide followed by separation with salt solutions (NaCl and ZnCl₂). The separated supernatant sample solutions and also the digested fish gut samples were filtered with Whatman filter paper Grade 1 and dried filter paper were kept in petri dish for microscopic examination. The microscopic examination of microplastics were carried out. The observed microplastics have been classified based on its size, shape and colour. The mean abundance of microplastics have been observed and recorded as 2.67-5.12/m in water and 4.5-9/100g in sediment. The digestion of fish gut samples were carried out using hydrogen peroxide. The microscopic examination of microplastics were carried out. The observed microplastics have been classified based on its size, shape and colour. Part A programme of III semester has been conducted on 09.12.2024. Compilation of data were carried out. The credit seminar entitled "Role of Coccolithophores in Marine Carbon Cycle" was conducted on 09.11.2024. Part B evaluation of II semester has been conducted on 20.11.2024. The flyer entitled "Waves of waste: The Silent Invasion" has been made out. Attended one day training programme of 'Compost preparation using fish solid waste' on 28.10.2024. | | | | | |
| | Department of Aquaculture | | | | | |
| 10. | Raswin Geoffery, U-20-TN-03-002-D-F-001 | 2020-21 | Ph.D | Nutritional evaluation of black soldier fly larvae (<i>Hermetia illucens</i>) and water hyacinth (<i>Eichhornia crassipes</i>) as a replacement of fish meal in the diets of GIFT Tilapia | <ul style="list-style-type: none"> Detailed below | Research paper is accepted for publication |
| | <ul style="list-style-type: none"> Viva-voce completed | | | | | |
| 11. | C. Sowmiya, U-20-TN-03-002-M-F-002 | 2022-23 | Ph.D | Influence of <i>Spirulina platensis</i> and <i>Kappaphycus alvarezii</i> / as feed supplement on growth, survival and immune response of <i>Penaeus vannamei</i> reared in the different culture system | <ul style="list-style-type: none"> Detailed below | |
| | <ul style="list-style-type: none"> After completion of the first trial, the cultured vannamei from 3 different treatments and one control challenged with <i>Vibrio parahaemolyticus</i> in BFT | | | | | |

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| | <ul style="list-style-type: none"> The experimental setup was done in triplicate for all treatments and control in RAS Feeding was done 4 times a day to satiation (7.00 am, 11.00 am, 3.00 pm and 7.00 pm) in both RAS Periodic sampling was done in RAS for the growth performance of <i>P.vannamei</i> Procurement of mussels from Vizhinjam CMFRI and stocked in tanks for acclimatization Ornamental unit prepared for research work | | | | | |
| 12. | Antony Heniton P U-23-TN-03-002-D-F-002 | 2023-2024 | Ph.D | Breeding strategy of Indian spiny loach (<i>Lepidocephalichthys thermalis</i>) in culture system and molecular characterization of its reproductive genes | • Detailed below | |
| | <ul style="list-style-type: none"> Collection of literature was in progress Started live food culture Sampling was done regularly | | | | | |
| | Department of Fish Pathology and Health Management | | | | | |
| 13. | D. Evangeline Paripoorana U-18-TN-03-003-M-F-005 | 2021-22 | Ph.D. | Immune responses of freshwater fishes immunized with inactivated viral vaccines against Tilapia lake virus (TiLV) | • Detailed below | |
| | <ul style="list-style-type: none"> Tissue samples collected from experimentally infected pompano group and control group were subjected to histopathological analysis. Compilation of the results. Thesis writing | | | | | |
| 14. | Mr. Sourabh Debbarma U-15-TR-01-004-B-F-012 | 2023-24 | Ph.D. | Assessment of the ameliorative effect of <i>Murrayakoenigi</i> extract on pendimethalin toxicity and <i>Aeromonas hydrophila</i> infection in <i>Labeorohita</i> fingerlings. | • Detailed below | |
| | <ul style="list-style-type: none"> Initial frameworks of Aquarium set up were planned. Feed preparation is completed with spray method. Chemicals preparation for objective 2 is completed. Procurement of Rohu and acclimatized to laboratory conditions. Prepared experimental diets were provided to the Rohu fish. Tissue samples were collected on 7 dpf | | | | | |

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| | <ul style="list-style-type: none"> • Sampling is completed on 7 days interval for 28days • Data analysis for different parameters is ongoing | | | | | |
| 15. | R. Prathisha U-20-TN-03-002-D-F-002 | 2020-21 | Ph.D. | Effectiveness of green synthesized nanoparticles for the treatment of bacterial disease <i>Photobacterium damsela</i> subsp. <i>damsela</i> | • Detailed below | |
| | <ul style="list-style-type: none"> • Samples of acute toxicity study were prepared for histological analysis • LD 50 value were calculated for the confirmed <i>Photobacterium damsela</i> subsp. <i>damsela</i> isolate. • Antibacterial activity was assessed by well diffusion assay for the synthesised nanoparticles against <i>Photobacterium damsela</i> subsp. <i>damsela</i> isolate. • Histopathological analysis was carried out for the samples collected from the acute toxicity study • Credit seminar was completed on 19.12.2024 • Initial framework for feed preparation has been done | | | | | |
| | M. M. Priyadharshini U-23-TN-03-002-D-F-006 | 2023-24 | Ph.D. | Comparative analysis of whole genome sequences and assessment of host immune responses of snakehead to Indian strain of Snakehead rhabdovirus (SHRV-In) | • Detailed below | |
| | <ul style="list-style-type: none"> • Genomes of Rhabdovirus strains were reconfirmed using PCR techniques. • Collection of literature • The credit seminar was completed on the topic of "Nutrigenomics in fish health management" on 9.11.2024 • Part B of the research work was completed on 21.11.2024 • Part A has been conducted on 10.12.2024 • Samples were processed for whole genome sequencing | | | | | |
| | Department of Fishing Technology and Fisheries Engineering | | | | | |
| 16. | R. Velmurugan U-20-TN-03-002-D-F-007 | 2023-24 | Ph.D | Investigation on the trawl net and seine nets of Chennai and Pulicat coast | • Detailed below | |
| | <ul style="list-style-type: none"> • Collected review of literature • Survey schedule was prepared for the collection of length frequency data and design details of selected fishing gears • Collected review of literature • Presented the work to be carried out in Part A programme on 30.12.2024 | | | | | |
| 17. | E. Dinesh Kumar | 2023-24 | Ph.D | Investigation on the | • Detailed | |

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| | U-20-TN-03-002-D-F-006 | | | Cephalopod fishery of Selected maritime districts of Tamil Nadu | below | |
| | <ul style="list-style-type: none"> Collection of catch data and species composition of cephalopods at Ramanathapuram district , Kanyakumari district,Thoothukudi district and Nagapattinam district Collected various fishing gear details used for cephalopods fishery from Ramanathapuram district , Kanyakumari district,Thoothukudi district and Nagapattinam district | | | | | |
| | Department of Fish Processing Technology | | | | | |
| 18. | B. Deepika U-19-AP-03-006-M-F-001 | 2021-22 | Ph.D | Extraction of bioactive compounds from seaweeds using green technologies and assessment of quality characteristics of seaweed fortified cosmeceutical and confectionery products | <ul style="list-style-type: none"> Detailed below | |
| | Work done (in brief): <ul style="list-style-type: none"> Attended Ph.D. final viva voce for Ms. B. Deepika on 30.10.2024 | | | | | |
| | Department of Fisheries Extension, Economics and Statistics | | | | | |
| 19. | Ms. Vishaka Gurung (U-18-TN-03-002-M-F-024) | 2020-21 | Ph.D. | Impact of climate change on aquaculture and developing climate resilient strategies for improving livelihoods of fish farmers in the selected districts of West Bengal | Detailed below | |
| | <ul style="list-style-type: none"> Thesis writing and research paper writing are under progress | | | | | |
| 20. | Mr. T. Iyyappan (U-18-03-002-M-F-022) | 2020-21 | Ph.D. | Achievement motivation and attitude of ornamental fish entrepreneurs towards market-led extension in Tamil Nadu | Detailed below | |
| | Research Findings <ul style="list-style-type: none"> The respondents, primarily in the young age group (up to 35 years), were more | | | | | |

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| | <p>involved in the ornamental fish business compared to the older age group. They were operated marginal farms with moderate innovativeness but low risk-taking ability and a reliance on personal credit and social media for production and marketing.</p> <ul style="list-style-type: none"> • Monsoon was optimal season for rearing ornamental fish, with 26 fish varieties cultured in cement tanks and rearing units. • 50% of ornamental fish entrepreneurs had a high level of entrepreneurial success in market-led extension practices. This success was attributed to strong achievement motivation, measured across ten components, including flexibility, goal setting, confidence in success, and persistence. • Furthermore, 79.33% of the entrepreneurs expressed a favourable attitude toward market-led extension practices. Their positive outlook encompassed various aspects, including production, product development, sales, societal engagement, and marketing strategies. • The major constraints proposed by ornamental fish entrepreneurs were the lack of quality brooders and seeds (70.67%), market dominance of middlemen and agents (56.00%), and lack of research and development in the ornamental fish sector (62.33%). | | | | | |
| 21. | Ms. Arni Sanchi G Momim (I-20-TN-03-002-M-F-012) | 2023-24 | Ph.D. | An analysis of the status, challenges and future prospects of aquaculture practices in selected districts of Meghalaya state: Special reference to the impact of climate change | • Detailed below | |
| | <ul style="list-style-type: none"> • Data analysis was in progress | | | | | |
| 22. | Ms. N.K. Sonanla (U-18-TN-03-002-M-F-025) | 2020-21 | Ph.D. | Development of strategies towards consumer focused marketing of fish and fishery products in Manipur | • Detailed below | |
| | <ul style="list-style-type: none"> • Thesis submitted on 18.09.2023 and waiting for final viva-voce | | | | | |
| 23. | Mr.P. Sreenivasan (CIFE student) | | Ph.D. | Dry Fish Processors in Tamil Nadu: Marketing Functions and Economic Assessment | -- | -- |
| 24. | Ms.Kwabhi Koreti (U-23-TN-03-002-D-F-007) | 2023-24 | Ph.D. | Climate change impact on Freshwater fish production in the selected districts of | • Detailed below | |

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| | | | | Chhattisgarh, India: developing strategies for sustainable livelihood enhancement of fish farmer | | |
| | <ul style="list-style-type: none"> Pilot Survey was in Progress | | | | | |

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| S. No. | Department of Fisheries Biology and Resources Management | | | | | |
| 1. | Mr. J. Joyson Paul U-18-TN-03-003-B-F-023 | 2022-23 | M.F.Sc. | Studies on biodiversity, reproductive characteristics and stock assessment of selected carangid fish species along the coast of Gulf of Mannar | <ul style="list-style-type: none"> Detailed below | Two research papers were submitted to the Journals |
| | <ul style="list-style-type: none"> A total of 62 species of carangids belonging to 27 genera were recorded from the selected landing centre. | | | | | |
| 2. | Ms. M. Sharumathi U-18-TN-03-002-B-F-047 | 2022-23 | M.F.Sc. | Studies on Biodiversity, Reproductive Characteristics and Stock assessment of selected Lutjanus fish species of Gulf of Mannar | <ul style="list-style-type: none"> Detailed below | One research paper was published and Two research papers were submitted to the Journals |
| | <ul style="list-style-type: none"> A total of 32 species of Lutjanids were recorded from the selected landing centres of Gul of Mannar. | | | | | |
| 3. | Parkavi S U-23-TN-03-002-M-F-027 | 2023-24 | M.F.Sc | Studies on biodiversity, reproductive characteristics and stock assessment of selected goatfish species [Mullidae] along the coast of Gulf of Mannar, Southeast India | <ul style="list-style-type: none"> Detailed below | |
| | <ul style="list-style-type: none"> A total of 7 species were collected and identified. Reproductive biology work was carried out for 2 species. Length-weight data were taken for two species | | | | | |
| 4. | S.K. Vigneshwaran U-23-TN-03-002-M-F-028 | 2023-24 | M.F.Sc | Assessment of biodiversity of major finfish and shellfish groups of Point Calimere Wetland, a Ramsar Site, Southeast coast of India | <ul style="list-style-type: none"> Detailed below | |

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| | <ul style="list-style-type: none"> A total of 33 estuarine finfish species belonging to 29 genera, 23 families and 9 orders were collected and identified Occurrence data of mangroves were collected by using transect method monthly Water and soil samples were collected and analysed from the selected stations seasonally | | | | | |
| 5. | S. Pearlin Arul Granap I-23-TN-03-002-M-F-029 | 2023-24 | M.F.Sc | Biodiversity assessment of non-target fish species, reproductive biology and stock assessment of the blue swimming crab of the gillnet crab fishery in the Palk Bay, Southeast India | <ul style="list-style-type: none"> Detailed below | |
| | <ul style="list-style-type: none"> A total of 25 non-target fish species caught in gillnet targeting crab along Palk Bay region was collected and identified Occurrence and abundance data of non-target fish species caught in gillnet targeting crab along Palk Bay region were collected fortnightly Length frequency data of blue swimming crab were collected from the selected sampling stations. | | | | | |
| | Department of Aquaculture | | | | | |
| 6. | M. Gangadevi, U-18-TN-03-005-B-F-010 | 2022-23 | M.F.Sc. | Evaluation of fishmeal replacement with spirulina in the diet of juvenile silver Pompano, <i>Trachinotus blochii</i> (Lacepede, 1801) | <ul style="list-style-type: none"> Viva-voce completed | Research article submitted to Indian Journal of Animal Sciences |
| 7. | I. Kaviyarasi, U-18-TN-03-002-B-F-023 | 2022-23 | M.F.Sc. | Effect of thermal influence on the onset of sex differentiation and sex ratio in Striped Murrel, <i>Channa striata</i> | <ul style="list-style-type: none"> Viva-voce completed | |
| 8. | Gavhane Shrinath Vaijanath, U-18-MH-04-010-B-F-037 | 2022-23 | M.F.Sc. | Effect of dietary supplementation of taurine on the growth and survival of <i>Channa striata</i> larvae | <ul style="list-style-type: none"> Viva-voce completed | |
| 9. | A. Asiisa, U-17-TR-01-004-B-F-047 | 2022-23 | M.F.Sc. | Effect of fermented tamarind seed for the replacement of soybean meal on the growth performance of Genetically Improved Farmed Tilapia (GIFT) | <ul style="list-style-type: none"> Viva-voce completed | |
| 10 | Dhanalakshmi M, U-23-TN-03-002-M-F-001 | 2023-24 | M.F.Sc. | Effect of different colour monochromatic lights on growth performance, | <ul style="list-style-type: none"> Detailed below | |

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| | | | | skin pigmentation and physiological and behavioural response of Bicolor Cichlid (<i>Aulonocara maulana</i>) | | |
| | <ul style="list-style-type: none"> Collection of literature was in progress Prepared aquarium tank setup with four monochromatic LED light color groups and stocked juvenile cichlids Sampling done once in every fortnight (Survival, ADG, SGR, FCR and PER). Initial carotenoid content analysis was done using spectrophotometer | | | | | |
| 11 | Abhishek Jangid, U-23-TN-03-002-M-F-007 | 2023-24 | M.F.Sc. | Effect of different Synthetic and Natural Substrates on the Growth, Survival and molting of mud crab instar (<i>Scylla serrata</i>) in Recirculatory Aquaculture System | <ul style="list-style-type: none"> Detailed below | |
| | <ul style="list-style-type: none"> Procurement of mud crab instars from RGCA, Sirkali and stocking in FRP tank for acclimatization have been done. Preparation of the RAS of the facility for the conduct of the experimental study done with stocking of crab instar have been done. The first experimental trial is going on in RAS using three different synthetic materials as substrates with daily monitoring for mortality, cannibalism and molting frequency with water quality parameters. | | | | | |
| 12 | Bhargavi R, U-23-TN-03-002-M-F-008 | 2023-24 | M.F.Sc. | Effect of salinity and substrate, growth performance, osmoregulatory parameters of Silver pompano (<i>Trachinotus blochii</i>). | <ul style="list-style-type: none"> Detailed below | |
| | <ul style="list-style-type: none"> Trial has been done by placing split bamboo substrate in FRP tank with salinity 35 ppt for periphyton growth. Preparation of 12 FRP tanks in triplicates for experimental setup (1 control and 3 treatments: 25ppt, 15 ppt and 5ppt) <ul style="list-style-type: none"> Installation of split bamboo substrates was done in every tank for periphyton growth. (Silver pompano fry) seed were procured from pozhiyoor and acclimatized in raceway for 1 week. At present stocking of seed was done in two different salinities, one control (35 ppt) and 1 treatment (25 ppt) by decreasing salinity by 5 ppt every 2 days. All the water quality parameters were analysed every two days from initial setup. | | | | | |
| | Department of Aquatic Environment Management | | | | | |
| 13 | K.Udhayakumar U-18-TN-03-002- | 2022-23 | MFSc | Assessing the efficiency of biodiesel production | <ul style="list-style-type: none"> Detailed below | |

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| | B-F-055 | | | from fish solid waste generated from Thoothukudi | | |
| | <ul style="list-style-type: none"> conducted viva-voce on 20.12.2024 | | | | | |
| 14 | Parkavi (U-18-TN-03-003-B-F-031) | 2022-23 | MFSc | Prospects of high value fatty acid production from marine microalgae <i>Navicula</i> sp., and <i>Nannochloropsis</i> sp., isolated from Gulf of Mannar coastal waters | <ul style="list-style-type: none"> Detailed below | |
| | <ul style="list-style-type: none"> conducted viva-voce on 20.12.2024 | | | | | |
| 15 | S. Sakthi (U-18-TN-03-005-B-F-024) | 2022-23 | MFSc | Ecotoxicological assessment of Ibuprofen and Diclofenac in Rohu (<i>Labeorohita</i>) | <ul style="list-style-type: none"> Detailed below | |
| | <ul style="list-style-type: none"> conducted viva-voce on 20.12.2024 | | | | | |
| 16 | Arasi R. | | M.F.Sc. | Hydrothermal liquefaction process of marine diatom <i>Skeletonema</i> sp., for biofuel production | <ul style="list-style-type: none"> Detailed below | |
| | <ul style="list-style-type: none"> Selected algal species are being maintained in the phycology laboratory. Collection of literature related to research topic Collection of literature related to credit seminar Isolation of selected microalgae <i>Skeletonema</i> sp., was carried out using serial dilution/plating technique Stock culture of <i>Skeletonema</i> sp., was maintained in conical flask A trial experiment was conducted to extract the biofuel using hydrothermal reactor | | | | | |
| 17 | Abisha R. J. | | M.F.Sc. | Isolation and characterization of low density polyethylene degrading bacteria from soils of waste disposal sites in Thoothukudi region | <ul style="list-style-type: none"> Detailed below | |
| | <ul style="list-style-type: none"> A preliminary survey was conducted to identify the sampling sites. The soil samples were collected from Inigonagar, Korampallam surplus water canal and endpoint of Buckle canal at Thereshpuram Saline solution and Mineral Salt Media was prepared for the enrichment of LDPE degrading bacteria LDPE powder was prepared from LDPE granules by using Xylene Sterilization of the prepared LDPE powder was carried out using ethanol | | | | | |
| 18 | Shrivasanthan KK | | M.F.Sc. | Isolation and | <ul style="list-style-type: none"> Detailed | |

| | | | | | | |
|----|--|---------|---------|---|--|--|
| | | | | characterization of ammonia and nitrite oxidizing bacteria from aquaculture waste water | below | |
| | <ul style="list-style-type: none"> Preliminary work on screening and isolation of ammonia and nitrite-degrading bacteria is being carried out. The wastewater samples were collected from the shrimp ponds for the analysis of ammonia and nitrite degrading bacteria. Samples were enriched in mineral medium containing ammonium sulphate or potassium nitrite as the sole nitrogen source for enriching and isolating potential ammonia-oxidizing and nitrite-oxidizing bacteria respectively. Enriched aliquots were serially diluted and plated on mineral media having the same composition as the one used for enrichment. Enumeration of ammonia and nitrite degraders from the selected sites were done with mineral salt medium using ammonia and nitrite source. Morphologically different bacteria were sub-cultured on suitable nutrient plates incubated at $30 \pm 2^{\circ}\text{C}$. | | | | | |
| | Department of Fish Pathology and Health Management | | | | | |
| 19 | S. Gobinath U-18-TN-03-005-B-F-011 | 2022-23 | M.F.Sc. | Prophylactic effect of Gooseberry (<i>Phyllanthus acidus</i>) and Oregon (<i>Coleus amboinicus</i>) extracts against Tilapia Lake Virus | <ul style="list-style-type: none"> Detailed below | |
| | <ul style="list-style-type: none"> Thesis has been submitted. Paper has been communicated. | | | | | |
| 20 | R.L.Dharsika U-23-TN-03-002-M-F-009 | 2023-24 | M.F.Sc | Evaluation of immunoprotective effect of bivalent vaccine against Tilapia lake virus and <i>Aeromonas hydrophila</i> in Nile tilapia (<i>Oreochromis niloticus</i>) | <ul style="list-style-type: none"> Detailed below | |
| | <ul style="list-style-type: none"> Part A of the research work was completed on 10.12.2024 <i>Aeromonas hydrophila</i> isolates has been revived Action has been taken to purchase/isolate Tilapia lake virus Collection of literature related to the research | | | | | |
| 21 | Swati surabi I-23-TN-03-002-M-F-011 | 2023-24 | M.F.Sc | Evaluation of infectivity and immune responses in cultivable fishes challenged with tilapia parvovirus | <ul style="list-style-type: none"> Detailed below | |
| | <ul style="list-style-type: none"> Part A of the research work was completed on 10.12.2024 | | | | | |

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|----|--|---------|--------|---|--|--|
| | <ul style="list-style-type: none"> Collection of literature related to the research Fish samples collected from Krishnagiri and Kanyakumari districts were screened for the presence of tilapia parvovirus using cell culture and RT PCR techniques | | | | | |
| 22 | S.Mahalakshmi U-23-TN-03-003-M-F-010 | 2023-24 | M.F.Sc | Screening and Characterization of bacteriophages against <i>Photobacterium damsela</i> from various Aquatic sources | <ul style="list-style-type: none"> Detailed below | |
| | <ul style="list-style-type: none"> Part A has been conducted on 10.12.2024 Photobacterium isolates have been revived Antibiotic sensitivity Test has been carried out for the revived isolates Water sample has been collected and processed for the phage isolation Phage lysate was prepared and stored to carry out further phage isolation | | | | | |
| | Department of Fishing Technology and Fisheries Engineering | | | | | |
| 23 | M. Veeramani U-18-TN-03-005-M-F-030 | 2022-23 | M.F.Sc | Investigations on the fishing gears used for Octopus fishery along the Palk Bay region of Ramanathapuram district | <ul style="list-style-type: none"> Detailed below | |
| | <ul style="list-style-type: none"> Submitted thesis on 01.10.2024 and awaiting final viva voce | | | | | |
| 24 | Emima U-18-TN-03-002-M-F-007 | 2022-23 | M.F.Sc | Development of artificial fish bait using surimi and bio attractants from fish processing waste | <ul style="list-style-type: none"> Detailed below | |
| | <ul style="list-style-type: none"> Final viva voce conducted on 20.12.2024 | | | | | |
| 25 | N.Gopalakrishnan U-23-TN-03-002-M-F-017 | 2023-24 | M.F.Sc | Development of Trolling line system with multiple troll lines to capture of high valued predatory fishes along Thoothukudi coast. | <ul style="list-style-type: none"> Detailed below | |
| | <ul style="list-style-type: none"> Conducted the Part A program for the student and assigned the program of work for his first semester. Visited the Kombuthurai fishing village to collect basic data, such as catch effort and the length-weight of fish from the landings of traditional troll line boats on 05.12.2024, 15.12.2024, 19.12.2024, and 27.12.2024. "Length-weight data were collected for 9 species of fish from the landings of troll line boats at Kombuthurai." "Had a discussion with the progressive fishermen on design improvements in the troll line system at Kombuthurai fishing village on 15.12.2024." Visited Inigo Nagar on 07.12.2024 and 10.12.2024 along with the TANII scheme staff, Er. | | | | | |

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|----|--|---------|---------|--|------------------|----|
| | Sivasudalaimani, DIVF, Ramanathapuram and a technician from local engineering workshop to develop a new troll line system. <ul style="list-style-type: none"> Collection of literature related to the Troll Line fishing | | | | | |
| 26 | Subanesam U-23-TN-03-002-M-F-018 | 2023-24 | M.F.Sc | Development of artificial fish bait using surimi and bio attractants from fish processing waste | • Detailed below | |
| | <ul style="list-style-type: none"> Part A programme was conducted on 06.12.2024 | | | | | |
| | Department of Fish Processing Technology | | | | | |
| 27 | K. Mohamed Rizwan | 2024-25 | M.F.Sc. | Physico-Chemical and Functional characteristics of Modified Atmosphere Packaged Dried- Fried Anchovy snack product and Its Storage stability | • Detailed below | -- |
| | Work done (in brief:) <ul style="list-style-type: none"> Collection of fish Anchovy from landing centre Proximate analysis of fresh fish and mineral content outsourcing Drying of fish in hot air oven for 36 hours at 45°C Proximate analysis of dry fish and mineral content outsourcing | | | | | |
| 28 | VabapritaPriyadars hini | 2024-25 | M.F.Sc. | Derivation and characterization of water soluble chitosan from shrimp shell waste | • Detailed below | -- |
| | Work done (in brief:) <ul style="list-style-type: none"> Collection of shrimp shells from market Proximate analysis of shells Preparation of chitosan powder Optimization of steam explosion method for production of water soluble chitosan | | | | | |
| 29 | Abhinanda Jena U-18-OD-01-005-B-F-002 | | M.F.Sc | Valorization of fish scales for the extraction and characterization of gelatin hydrolysate | • Detailed below | -- |
| | <ul style="list-style-type: none"> Calculation of the yield of gelatin. Calculation of degree of hydrolysis (DH) and peptide chain length (PCL). Protein estimation of the gelatin hydrolysate and its different molecular weight fractions using Kjeldahl method. Writing of the final manuscript for paper submission. | | | | | |
| | Department of Fish Quality Assurance and Management | | | | | |
| 30 | R. Rajakumari U-18-TN-03-002-BF-036 | 22-23 | M.F.Sc | Authentication of seer fish using PCR based Molecular Technique | • Detailed below | |
| | <ul style="list-style-type: none"> Thesis submitted on 01.10.2024 | | | | | |
| 31 | G. Arivukarassi | 22-23 | M.F.Sc | Distribution of heavy | • Detailed | |

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|----|---|---------|---------|--|--|---|
| | U-22-TN-03-002-MF-002 | | | metals in protein fractions of raw and thermally processed fish and shellfish | below | |
| | <ul style="list-style-type: none"> Thesis submitted on 01.10.2024 | | | | | |
| 32 | Miss. Abhinanda Jena | 22-23 | M.F.Sc | Valorization of fish scales for the extraction and characterization of gelatin hydrolysate | <ul style="list-style-type: none"> Detailed below | |
| | <ul style="list-style-type: none"> Thesis submitted on 01.10.2024 | | | | | |
| 33 | Ms. A. Sneha | 23-24 | M.F.Sc | Occurrence of <i>Vibrio vulnificus</i> in <i>Penaeus vannamei</i> and the impact of disinfectants on its growth and survival | <ul style="list-style-type: none"> Detailed below | |
| | <ul style="list-style-type: none"> Water, sediment, and shrimp tissues from shrimp farms along the Ramanathapuram were collected following aseptic methods, transported through iceboxes, and recorded environmental parameters. Samples were enriched in alkaline peptone water, plated on TCBS agar, incubated, and colonies resembling <i>V. vulnificus</i> identified by appearance (as per ISO method). Suspected colonies were confirmed by biochemical confirmation methods such as ADS, LDS, Indole, ONPG, Salt tolerance test etc., | | | | | |
| 34 | Mr. E. Arivukumar | 22-23 | M.F.Sc | In-vitro digestibility of micro plastics through the consumption of fish and shellfish | <ul style="list-style-type: none"> Detailed below | |
| | <ul style="list-style-type: none"> Fish samples were collected from Thoothukudi Fishing Harbor, stored in containers, and transported to the laboratory under iced condition. Microplastics were separated using chemical methods (KOH, NaOH, H₂O₂) and filtered for examination Extracted microplastics were examined under a microscope to analyze shape, size, and color for detailed morphological characterization. | | | | | |
| 35 | Ms. K. Pon Sangeetha | | M.F.Sc | Preparation of squid liver paste from squid processing waste and their nutritional evaluation as a feed additive | <ul style="list-style-type: none"> Detailed below | |
| | <ul style="list-style-type: none"> Samples (squid waste) were collected from the processing plant in the Thoothukudi region Squid liver paste was prepared using the enzymatic hydrolysis method | | | | | |
| | Department of Fisheries Extension, Economics and Statistics | | | | | |
| 36 | Ms.P.N.Aishwarya (ID. No. U-18-TN- | 2022-23 | M.F. Sc | A study on Public-Private Partnership | | <ul style="list-style-type: none"> Thesis submitte |

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|----|--|---------|---------|---|--|--|
| | 03-005-B-F-002) | | | ventures in Fisheries sector of Tamil Nadu | | d |
| | <p>Research Findings</p> <ul style="list-style-type: none"> • More than half of the respondents (62 %) were having medium level of utilization of information communication technology tools for fishing followed by high (23 %) and low (15 %) utilization. Majority (90 %) of the respondents were utilizing GPS and Android mobile and its software applications for finding the fishing locations and weather status. Almost 80 % percent of them used Remote sensing satellite-PFZ. Nearly half (49 %) of the respondents used radio and television to access information for fishing. • The R value representing the spearman's correlation were found to be 0.696 with degree of utilization of information communication technology tools for fishing by the fishermen. In this study, R² implied that the independent variables can predict the accuracy value of 60.3 % to the degree of utilization of information communication technology tools for fishing by the fishermen. The structural equation modelling (SEM) analysis shows that the composite reliability value CR1 = 0.847 shows that the model is fit for analysis. • More than half of the respondents (70 %) were having medium level of utilization of social media platforms for fishing followed by low (19 %) and high (11 %) level of utilization. Majority (85 %) of the respondents were utilizing YouTube for gaining and disseminating fisheries information and 74 % of them used Facebook for contacting the co-fishermen and gaining fishing information. A meagre portion of the respondents used of LinkedIn (3 %) and Twitter (6.7 %) for fishing. • Major constraint for majority (98 %) of the respondents in was lack of training for efficient use of ICT tools and social media platforms for fishing (98 %). The majority of the (80.5 %) respondents expressed about the poor network connectivity in overseas show the under-utilization of the ICT tools and social media platforms. | | | | | |
| 37 | Ms.S.Vivitha (ID. No. U-18-TN-03-002-B-F-059) | 2022-23 | M.F.Sc. | Assessment of knowledge, attitude and perception of fishermen on marine fisheries management and conservation in selected coastal districts of Tamil Nadu | | <ul style="list-style-type: none"> • Thesis submitted waiting for viva-voce |
| 38 | Ms. Swathi, S. (ID. No. U-18-TN-03-002-B-F-050) | 2022-23 | M.F.Sc | An analysis on the prospects, issues and challenges of deep sea fishermen in Kanyakumari district, Tamil Nadu | | <ul style="list-style-type: none"> • Thesis submitted |
| 39 | Ms. Jaya Prabha S (I-22-TN-03-002-MF-004) | 2022-23 | M.F. Sc | Gender impact assessment and entrepreneurship development among the fish workers in Cuddalore and Thoothukudi districts of | <ul style="list-style-type: none"> • Detailed below | |

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| | | | | Tamil Nadu | | |
| | <p>Research findings:</p> <ul style="list-style-type: none"> In Cuddalore district- HDI of male (0.60) is higher than HDI of female (0.53) and then GDI (0.88) In Thoothukudi district – HDI of male (0.61) is higher than HDI female (0.55) and then GDI (0.90) 60% and 78% of fish workers lack skills in developing entrepreneurship in FLC and FMC, respectively | | | | | |
| 40 | Mr. Thayala Arjun G. (U-22-TN-03-002-MF-003) | 2022-23 | M.F.Sc. | Assessment of Labour Productivity and Livelihood Capitals of Maritime Labours in Ramanathapuram and Thoothukudi Districts of Tamil Nadu | <ul style="list-style-type: none"> Detailed below | |
| | <p>Research Findings</p> <ul style="list-style-type: none"> The average age and income of maritime labours across the districts was estimated as 39, 48, and 33 years & ₹15,037, ₹19,838, and ₹17,846 for FLC, FM and PHC, respectively The overall labour productivity was calculated as 339 kg/trip/person for FLC, followed by FM (33 kg/trip/person) and PHC (18 kg/trip/person), respectively The estimation of livelihood capitals of FLC revealed that Ramanathapuram reported as highest at 0.4226 compared to Thoothukudi (0.3914) similar to fish market, whereas in PHC, Thoothukudi was reported highest (0.5067) than Ramanathapuram (0.3853) | | | | | |
| 41 | Ms. Ishani S Gowda | 2023-24 | M.F.Sc | Economic Valuation of Fisheries based Ecotourism in Coastal Karnataka | -- | Pilot survey has been completed and finalization of the interview schedule is in progress |
| 42 | Mr.S.Dawood Ibrahim | 2023-24 | M.F.Sc | Socio-economic impact assessment of freshwater fisheries enterprises in selected districts of Cauvery delta region, Tamil Nadu. | -- | Pilot survey has been completed and finalization of the interview schedule is in progress |
| 43 | Mr.R. Arunachalam U-23-TN-03-002-M-F-019 | 2023-24 | M.F.Sc. | Analysis on Private extension services towards shrimp farming practices in selected districts of Tamil Nadu | -- | Preparation of Interview Schedule is in progress |
| 44 | Mr.Dani Gelin Irish | 2023-24 | M.F.Sc. | Competency Based | -- | Preparation |

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|----|--|---------|---------|--|----|--|
| | U-23-TN-03-002-M-F-020 | | | Need analysis of fishermen with Specific reference to skill, knowledge and capability in selected coastal districts of Tamil Nadu | | of Interview Schedule is in progress |
| 45 | Ms.S.Sandeep Selvam U-23-TN-03-002-M-F-21 | 2023-24 | M.F.Sc. | An Analysis of the impact of welfare schemes on the livelihood augmentation of marine fishermen in the selected district of Tamil Nadu | -- | Preparation of Interview Schedule is in progress |
| 46 | Ms. S. Vinitha (CIFE student) | -- | M.F.Sc. | Fish buying and consumption behaviour of consumers in Thoothukudi District of Tamil Nadu | -- | Viva-voce has been completed |

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| Sl. No. | Name of the Research Scholar and ID.No. of the scholar | Batch | Degree | Title of Research | Research findings | Research output/Product process/Patent |
|---------|--|---------|--------------|---|---|--|
| 1. | Venkateshwara D U-22-TN-03-003-M-F-001 | 2022-23 | M.F.Sc (DAQ) | Dietary supplementation of selected seaweeds on growth performance, enzyme activity, disease resistance and immune Response in <i>Etroplus suratensis</i> | <ul style="list-style-type: none"> Supplementation of fermented <i>Ulva lactuca</i> at 5% has showed highest growth and immune response in pearlspot. Final viva voce examination was conducted on 27.12.2024 at the conference hall. | |
| 2. | Vignesh P U-18-TN-03-003-B-F-059 | 2022-23 | M.F.Sc (DAQ) | Studies on fermented duck weed (<i>Lemna minor</i>) meal as a potential substitute for fish meal replacement in diets of Climbing | <ul style="list-style-type: none"> 35% and 38% crude protein fed climbing perch showed better growth performance compared to other treatments. Final viva voce examination was conducted on | |

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| | | | | perch, <i>Anabas testudineus</i> (Bloch, 1792) | 27.12.2024 at the conference hall. | |
| 3. | Salkapuram Sandeep Kumar I-22-TN-03-003-M-F-005 | 2022-23 | M.F.Sc (DAQ) | Studies on the effect of <i>Spirogyra</i> incorporated diet on broodstock development of pearlspot (<i>Etroplus suratensis</i>) | <ul style="list-style-type: none"> Part B evaluation on completion of thesis work was done on 30.09.24. Final viva voce examination was conducted on 27.12.2024 at the conference hall. | |
| 4. | Ng Chinglembi Devi U-16-TR-01-004-B-F-007 | 2022-23 | Ph.D. (DAQ) | Utilization of fruit peels as phytogenic feed additives on growth performance, pigmentation, and immune responses in Gold fish and Koi carp | <ul style="list-style-type: none"> 40% Crude Protein containing experimental feed was prepared for Koi carp fry study trial and it was stored in airtight container. | |
| 5. | S. Porselvan U-18-TN-03-003-B-F-033 | 2022-23 | M.F.Sc (DAAHM) | Surveillance of the viral pathogens in the fishes of Pulicat Lagoon, Tiruvallur district, Tamil Nadu | <ul style="list-style-type: none"> Part B evaluation on completion of thesis work was done on 30.09.24. Final viva voce examination was conducted on 19.12.2024 at the conference hall. Manuscript submitted to Iranian Journal of Veterinary Research. | Reported TiLV and TiPV in Tilapia fishes in Pulicat Lagoon for the first time. Six Bacterial Isolates were obtained from the infected samples collected in the study. |
| 6. | V. Santhiya U-18-TN-03-003-B-F-044 | 2022-23 | M.F.Sc (DAAHM) | Development of multiplex PCR assays for simultaneous detection of viral pathogens in shrimp. | <ul style="list-style-type: none"> Part B evaluation on completion of thesis work was done on 30.09.24. Final viva voce examination was conducted on 19.12.2024 at the conference hall. Manuscript submitted to Indian Journal of Animal Research | Analytical sensitivity of the developed assays were 100 pg of WSSV, 10 pg of EHP & 100 pg of IHNV; Diagnostic sensitivity of WSSV, EHP and IHNV was 100% |

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|-----|---|---------|------------------|---|---|--|
| 7. | E. Manimozhi U-18-MH-01-001-M-F-047 | 2021-22 | Ph.D. (DAAHM) | Metagenomic analysis of gut microbiome in pearlspot, <i>Etroplus suratensis</i> fed with probiotic and its dynamics during challenge with a bacterial | <ul style="list-style-type: none"> • Manuscript preparation title "Invitro profiling of bacillus species isolated from the gut of <i>Etroplus suratensis</i>" was carried out • Data analysis and interpretation of research trial | |
| 8. | Ponsrinivasan A U-21-TN-03-003-B-F-002 | 2021-22 | Ph.D. (DAAHM) | Development and standardization of rapid diagnostics kits for detection of Tilapia Lake Virus (TilV) infecting Tilapia | <ul style="list-style-type: none"> • Extraction of propolis was carried out and lyophilized • Isolation, Characterization of <i>vibrio</i> sp., from infected shrimp samples • Manuscript preparation | |
| 9. | Ms. Jayasri U-22-TN-03-003-M-F-004 | 2022-23 | M.F.Sc (DFPT) | Development of process for the preparation of seaweed based leather | <ul style="list-style-type: none"> • Part B evaluation on completion of thesis work was done on 30.09.24. | |
| 10. | K. Iswarya U-18-TN-03-005-B-F-012. | 2022-23 | M.F.Sc (DFPT) | De novo evolution of antibiotic resistance in salmonella Montevideo isolated from cultured shrimp on exposure to water quality stressors | <ul style="list-style-type: none"> • Part B evaluation on completion of thesis work was done on 30.09.24. • Final viva voce examination was conducted on 19.12.2024 at the conference hall. | Reported seven water quality stressors (pH 5.0, pH 10.0, 20°C, 45°C, 50% S, 5 ppm NH ₃ and 5000 ppm H) and twenty-six dual water quality stressors for antibiotic resistant and susceptible |
| 11. | J. Jeevitha U-22-TN-03-003-M-F-003 | 2022-23 | M.F.Sc (DAEM) | Trophic transfer, bio accumulation and bio magnification of copper and lead in Pulicat lagoon | <ul style="list-style-type: none"> • Cu and Pb concentrations in water of Pulicat lagoon are above permissible limits as prescribed by Canadian Council of Ministers of the Environment (CCME) standard values. • Data compilation and statistical analysis was | |

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| | | | | | done. | |
| 12. | A. Akila U-22-TN-03-003-M-F-002 | 2022-23 | M.F.Sc (DAEM) | Comparison of adsorption propensity of biochar of various parts of <i>Typhasp.</i> with special reference to lead. | <ul style="list-style-type: none"> • Biochar from leaves and roots, especially at 700°C for 120 min, effectively adsorbs Pb from water. • Manuscript and thesis was carried out. | |
| 13. | T.Harishkumar U-18-TN-03-003-B-F-017 | 2022-23 | M.F.Sc (DFEES) | Study on Marine Fisheries and Fishers of Tiruvallur District, Tamil Nadu. | <ul style="list-style-type: none"> • Final viva voce examination was conducted on 27.12.2024 at the conference hall. • Manuscript submitted to Socio-Economic profile and income inequality among coastal fisher households: A comparative study of sea and lake fishers in | |
| 14. | ShwetaBiswas U-18-TN-03-003-B-F-052 | 2022-23 | M.F.Sc (DFEES) | Institutional mechanism of Marine fisheries governance in India. Evaluating effective framework for sustainable fisheries management. | <ul style="list-style-type: none"> • Final viva voce examination was conducted on 27.12.2024 at the conference hall. • Manuscript submitted to Efficiency Measurement of Indian Marine Fisheries Research Institutes: A data Envelopment analysis | |
| 15. | Paplin Prince U-18-TN-03-002-B-F-030 | 2022-23 | M.F.Sc (DFRM) | Study on diversity, biology and stock characteristics of selected Scombrid species in Royapuram fishing harbour, chennai | <ul style="list-style-type: none"> • Ten species of scombrids were recorded from the Royapuram fishing harbor, Chennai. • The stocks of both <i>Auxis thazard</i> and <i>Euthynnus affinis</i> were found to be under fishing pressure. | |
| 16. | R.G. Sasikumar U-18-TN-03-003-B-F-045 | 2022-23 | M.F.Sc (DFRM) | Stock assessment of selected species | <ul style="list-style-type: none"> • The gut content analysis of both species indicated that | |

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| | | | | of Nemipterides along Nagapattinam and cuddalore coasts | small fishes and crustaceans were more predominant in their diet. • The study found that the stocks of S.Bimaculata and N.Japonicus | |
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(iii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

| Sl.No. | Name of the Research Scholar and ID.No. of the scholar | Batch | Degree | Title of Research | Research findings | Research output/ Product process/Patent |
|--------|--|---------|---------|---|---|---|
| 1. | Mr. A. Kanishkar | 2021-22 | M.F.Sc. | A comparative study on fish community of Muthupet and Karankadu estuaries of Palk Bay, Tamil Nadu | A total of 112 species of finfish belonging to 25 orders, 47 families and 84 genera in both the estuaries and Muthupet estuary recorded high diversity than Karankadu estuary | NIL |
| 2. | J.Musraf Sulaiman (FET) | 2022-23 | M.F.Sc. | Investigation on the trammel nets operated from Periyathalai and Singithurai fishing villages of Gulf of Mannar | <ul style="list-style-type: none"> The manuscript is under review. Thesis submitted on 24.12.2024 | NIL |
| 3. | Ms.Ishani S Gowda | 2023-24 | M.F.Sc. | Economic Valuation of Fisheries based Ecotourism in Coastal Karnataka | <ul style="list-style-type: none"> Survey schedule framing was completed. Survey schedule testing was completed. | NIL |
| 4. | Mr.S.Dawood Ibrahim | 2023-24 | M.F.Sc. | Socio-economic impact assessment of | <ul style="list-style-type: none"> Survey schedule framing was | |

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|----|---------------------|---------------|---------|---|--|--|
| | | | | freshwater fisheries enterprises in selected districts of Cauvery delta region, Tamil Nadu. | completed. • Survey schedule testing was completed. | |
| 5. | Ms.Jaya Prabha S | 2022-23 batch | M.F.Sc. | Gender impact assessment and entrepreneurship development among the fish workers in Cuddalore and Mayiladuthurai districts of Tamil Nadu | • Thesis completed. • Part B Evaluation was done. | |
| 6. | Mr.Thayala Arjun G. | 2022-23 | M.F.Sc. | Assessment of Labour Productivity and Livelihood Capitals of Maritime Labours in Ramanathapuram and Thoothukudi Districts of Tamil Nadu | • Thesis completed. • Part B Evaluation was done. | |
| 7. | Mr.Sourabh Debbarma | | Ph.D. | Efficacy of Herbal based Tamil Nadu variety of Curry leaf (<i>Murraya koenigii</i>) extract in <i>Labeo rohita</i> fingerlings exposed to Pendimethalin toxicity and it's susceptibility to <i>Aeromonashydrophila</i> infection. | • Analysis is in progress | |
| 8. | Mr.M.Subramaniyan | | M.Tech | Assessment of inbreeding rate, reproductive performance and genetic diversity of hatchery-bred <i>Labeo rohita</i> populations of Tamil Nadu | • Thesis writing in progress | |

(iv) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi

| Sl.No. | Name of the Research Scholar and ID.No. of the scholar | Batch | Degree | Title of Research | Research findings and status |
|--------|---|---------|--------|--|------------------------------|
| 5. | Mrs. SonaliSmitaMahapatra U-18-TN-03-007-M-F-003 Chairman: Dr. S. Prakash | 2021-22 | Ph.d | Effect of Ulvan mediated mono, and bimetallic Silver, Zinc and Selenium nanoparticles on growth and immune gene expression in <i>Channa striata</i> (Bloch, 1793) | Pursuing |
| 7. | Mr. NarsinghKashyap U-18-TN-03-007-M-F-004 Chairman: Dr. E Suresh | 2021-22 | Ph.d | A study on the effect of <i>Withania</i> root extract on the maturation, reproduction and immune-related gene expression in common spiny loach (<i>Lepidocephalichthys thermalis</i>) | Pursuing |
| 9. | M. Flarance Beulah DPV 22010 (LS) Chairman: G. Dharani | 2022-23 | Ph.d | Characterization of lactic acid bacteria from the gut of finfish exhibiting potential probiotic activity against <i>Vibrio</i> spp., and the effect of those bacteria in removing surplus nutrients from the aquaculture pond. | Pursuing |
| 10. | Volga A DPV 22011 (LS) Chairman: Dr. Deepak Agarwal | 2022-23 | Ph.d | Evaluation of Neuroprotective Potential of Novel metabolite Extracted from Seaweed Using Integrated <i>In Silico</i> , <i>In Vitro</i> , and <i>In Vivo</i> Approaches | Pursuing |
| 11. | Komuhi N.B. U-23-TN-03-007-D-F-001 Chairman: Dr. Amit Ranjan | 2023-24 | Ph.d | Functional feed development for striped murrel through molecular and histomorphological approaches | Pursuing |
| 13. | Jishu Banerjee ID No: U-18-JH-01-010-B-F-015 Chairman: Dr. Deepak Agarwal | 2022-23 | M.F.Sc | <i>In Silico</i> Screening and <i>In vivo</i> of Antiviral Compounds against White Spot Syndrome Virus (WSSV) in <i>Penaeus vannamei</i> (Boone, 1931) | Pursuing |
| | Mr. Prahar Sharma U-18-CG-02-004-B-F-043 Chairman: Dr. AmbikaBinesh | 2022-23 | M.F.Sc | Isolation and structural elucidation of bioactive secondary metabolites from <i>Gracilaria edulis</i> as COX-2 inhibitor | Pursuing |
| 16. | Mr. Shiv Kumar Yadav U-18-JH-01-010-B-F-016 | 2022-23 | M.F.Sc | Genetic characterization of <i>Scatophagus argus</i> populations | Pursuing |

| | | | | | |
|------|---|---------|--------|---|----------|
| | Chairman: Dr. E. Suresh | | | of East Coast of India using mitochondrial DNA markers. | |
| 17. | M. Subramaniyan U-22-TN-003-M-F-001 Chairman: Dr. E. Suresh | 2022-23 | M.F.Sc | Assessment of inbreeding rate, reproductive performance and genetic diversity of <i>LabioRohita</i> (Hamilton,1822) population of fish hatcheries of Tamil Nadu | Pursuing |
| 18. | G. Swaminathan U-23-TN-03-007-M-F-003 Chairman: Dr. Deepak Agarwal | 2023-24 | M.F.Sc | Transcriptomic Responses to Thermal Adaptation in Pearl Spot (<i>Etroplussuratensis</i>): Insights from RNA sequencing | Pursuing |
| 19. | Sriranjani. K. U-23-TN-03-007-M-F-007 Chairman: Dr. Amit Ranjan | 2023-24 | M.F.Sc | Effect of dietary alpha amylase supplementation on carbohydrate utilization in Channastriata juveniles | |
| 20 | M. Kavimurugaraja U-23-TN-03-007-M-F-006 Chairman: Mrs. M.JemilaThangarani | 2023-24 | M.F.Sc | Effect of hydroxy -selinomethionine supplementation on growth and selenium retention of Nile tilapia (<i>Oreochromisniloticus</i>) | |
| 21.. | K. R. Karthick Ram Narayanan U-23-TN-03-007-M-F-002 Chairman: Dr. V. Kaliyamurthi | 2023-24 | M.F.Sc | Isolation and structural elucidation of bioactive secondary metabolites from <i>Portieriahornemannii</i> as NF-kB inhibitor | |
| 22. | Abdullah M Hasbullah I-23-TN-03-007-M-F-001 Chairman: Dr. V. Kaliyamurthi | 2023-24 | M.F.Sc | The Effect of reserveratol on high glucose induced macrophage modulation and inflammatory cytokines in zebrafish and THP-1 cells. | |
| 23. | Maria SusilaVinisha U-23-TN-03-007-M-F-004 Chairman: Dr. E. Suresh | 2023-24 | M.F.Sc | Building a comprehensive DNA Barcoding for fishes of Kovalam Coast, Chennai | |
| 24. | P. Hariharan U-23-TN-03-007-M-F-005 Chairman: Dr. E. Suresh | 2023-24 | M.F.Sc | Estimation of heterosis for growth traits in a full diallel cross of three strains of tilapia | |

(v) TNJFU-Fisheries Business School, Vaniyanchavadi

| Sl.No. | Name of the Research Scholar and ID.No. of the scholar | Batch | Degree | Title of Research | Research findings | Research output/Product process/Patent |
|--------|--|---------|--------|-------------------------|---------------------------|--|
| 1. | Giri Balaji (MBA 22017) | 2021-22 | MBA | Performance of American | • Key factors influencing | - |

| | | | | | | |
|----|----------------------------|---------|-----|--|--|---|
| | | | | <p>Penaeid Inc. (Florida) Broodstock Genetic lines among Indian Shrimp Farmers</p> | <p>the decision of shrimp farmers in seed selections are profitability and performance of shrimp.</p> <ul style="list-style-type: none"> Data indicates that the American Penaeid Broodstock Genetic Line benefits farmers in profitability which is a desirable goal of all entrepreneurs. | |
| 2. | Himanshu Bagde (MBA 21018) | 2021-22 | MBA | <p>A Study on Opportunities and Challenges on Waste Management in Fish Processing Industry</p> | <ul style="list-style-type: none"> Respondents from all selected states indicated that their firms integrated waste management practices into their overall sustainability strategy In Gujarat and Maharashtra, majority of waste was solid waste comprising of fish offal and converted them into | - |

| | | | | | | |
|----|----------------------------|-------------|-----|---|--|---|
| | | | | | by-products. | |
| 3. | J. Jayakaran (MBA21019) | 2021- 22 | MBA | Study on consumer buying behavior using market basket analysis through TNFDC developed Meengal App in Chennai | <ul style="list-style-type: none"> The most selling seafood in Chennai is Prawn (vannamei), Sankara, Nethili (Whole), Bekti Full, Seer Slice, Oil Sardine small (Whole), Indian Salmon Sillago, Mackerel Fish / Ayila, Catla, Crab Big, Prawn Big (S/W), Black Pomfret, Barracuda Full, Caranx Full, Seer Small, Rohu, Lethrinus, Tuna Full, Prawn Small (S/W). Good quality of seafood is the main factor influence the customer to decide on the purchase platform. Based on both Meengal app users and non-users, it was observed that quality is the main factor in deciding | - |

| | | | | | | |
|----|----------------------------------|---------|-----|---|---|---|
| | | | | | where to purchase. | |
| 4. | Krishnakant Choudhari (MBA21020) | 2021-22 | MBA | Study on the performance of BMR shrimp feed in <i>Penaeus vannamei</i> farming | <ul style="list-style-type: none"> The sample respondents were aware of performance of BMR shrimp feed in shrimp farming as well as intend to continue using BMR shrimp feed and recommend to other shrimp farmers Findings of the study revealed that there was an excellent performance of shrimp feed and had an awareness on BMR shrimp feed usage and adaptability among shrimp farmers. | - |
| 5. | Steve Clement (MBA21021) | 2021-22 | MBA | A study on skill assessment of fisheries graduates for employment in fisheries industry | <ul style="list-style-type: none"> Around 80 students were interviewed to analyze the available skills and the requirements they need to improve them Findings of the study revealed that there was a | - |

| | | | | | | |
|----|----------------------------------|---------|-----|---|---|---|
| | | | | | lack of skill factors that are required by the companies and this analysis helped to understand the possibilities to provide the required skills for the student to be eligible candidates. | |
| 6. | M. Balaji (MBA 22022) | 2022-23 | MBA | A Study on Challenges in Seaweed Farming in Coastal Region of Tamil Nadu | Draft thesis Submitted | - |
| 7. | V. Bhagya Lakshmi (MBA 22023) | 2022-23 | MBA | A Study on Opportunities and Challenges Faced by Women Entrepreneurs in the Fish Retail Market of Ramanathapuram District, Tamil Nadu | Draft thesis Submitted | - |
| 8. | K. S. Ishwarya (MBA 22024) | 2022-23 | MBA | A study on Impact of Extension Training offered by Tamil Nadu Dr. J. Jayalalithaa Fisheries University, Thoothukudi to the fish farmers | Draft thesis Submitted | - |
| 9. | Niraj Kumar (MBA 22025) | 2022-23 | MBA | Assessment of the market potential of aqua drugs and chemicals used in fish culture | Draft thesis Submitted | - |

| | | | | | | |
|-----|--------------------------------|---------|-----|--|------------------------|---|
| | | | | practices in Bihar | | |
| 10. | G. Sanjay Kanth (MBA 22026) | 2022-23 | MBA | A study on feed brand preference among shrimp farmers in Nellore, Andhra Pradesh | Draft thesis Submitted | - |
| 11. | A. Sathishkumar (MBA 22027) | 2022-23 | MBA | A study on impact of digital marketing on ornamental fish buyers in Chennai, Tamil Nadu | Draft thesis Submitted | - |
| 12. | K. Sathyan (MBA 22028) | 2022-23 | MBA | A study on the challenges faced by farmers on cultivation of Penaeus monodon in the coastal areas of Tamil Nadu | Draft thesis Submitted | - |
| 13. | T. Srinidhi (MBA 22029) | 2022-23 | MBA | A study on consumer perception of seafood products through online purchase in Chennai, Tamil Nadu | Draft thesis Submitted | - |
| 14. | S. Subasri (MBA 22030) | 2022-23 | MBA | A study on Awareness of Fishermen about various Central and State Government Schemes in Nagapattianam district, Tamil Nadu | Draft thesis Submitted | - |
| 15. | S. Yuvaraj (MBA 22031) | 2022-23 | MBA | A Comparative study on customer satisfaction of CPF and BMR Aquatic health care products among fish farmers in | Draft thesis Submitted | - |

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|--|--|--|--|----------------------------|--|--|
| | | | | Villuppuram, Tamil Nadu | | |
|--|--|--|--|----------------------------|--|--|

(vi) Paraprofessional Institute of Aquaculture, Muttukadu

| Sl.No. | Name of the Research Scholar and ID.No. of the scholar | Batch | Degree | Title of Research | Research findings and status |
|--------|--|---------|--------|--|---|
| 1 | G. Satishkumar | 2021-22 | Ph.D. | Optimizing formulated diet for striped murrel <i>Channa striata</i> through physiological and molecular approaches | <ul style="list-style-type: none"> Data analysis and Manuscript drafting. Final report preparation for USAID-Cargill Project. |
| 2 | T. Thiruvassagam | 2022-23 | Ph.D. | Impact of fatty acids and vitamin E combinations on the gonadal development and reproductive performances of <i>Channa striata</i> | <ul style="list-style-type: none"> Published a review article entitled "Significance of fatty acids in fish brood stock nutrition" |
| 3 | N.B. Komuhi | 2023-24 | Ph.D. | Development of functional feed for striped murrel (<i>Channa striata</i>) larvae through molecular and histomorphological approaches | <ul style="list-style-type: none"> Breeding and larval rearing was done Larval sample collection done for enzyme histology and RNA analysis |

14.Citation index of faculty members and impact factor

(i) Fisheries College & Research Institute, Thoothukudi

| Sl.No. | Name of the faculty | h-index | i10 - index | Citations (Present) | Research Gate score |
|--------|----------------------------|---------|-------------|---------------------|---------------------|
| 1. | Dr. S. Athithan | 7 | 5 | 200 | 119.4 |
| 2. | Dr. J. Jacqueline Pereira | 5 | - | 75 | 145.8 |
| 3. | Mr. A. Anix Vivek Santhiya | 3 | 3 | 95 | - |
| 4. | Dr. V. Rani | 12 | 15 | 437 | 242.3 |
| 5. | Dr. D. Manimekalai | 5 | 2 | 67 | 50.6 |
| 6. | Dr. A. Juliet Selvarani | 3 | 1 | 48 | 16.7 |
| 7. | Dr. G. Arul Oli | - | - | - | - |
| 8. | Dr. T. Umamaheswari | 4 | 2 | 73 | 119.8 |
| 9. | Dr. B. Manikandan | 2 | - | 7 | 7 |
| 10. | Dr. N. Jayakumar | 10 | 11 | 338 | 619.9 |

| | | | | | |
|-----|----------------------|----|----|-----|-------|
| 11. | Dr. R. Durairaja | 3 | -- | 24 | 46.8 |
| 12. | Mr. K. Karuppasamy | 5 | 1 | 88 | 299.7 |
| 13. | Dr. B. Chrisolite | 8 | 5 | 200 | 236.5 |
| 14. | Dr. P. Sivasankar | 7 | 6 | 152 | 179.6 |
| 15. | Dr. P. Ganesan | 4 | 3 | 86 | 97 |
| 16. | Mr. M. Muruganantham | 2 | - | 4 | 4 |
| 17. | Dr. B. Sivaraman | 13 | 16 | 441 | 261 |
| 18. | Dr. R. Shalini | 17 | 20 | 904 | 349 |
| 19. | Dr. F. Parthiban | 6 | 4 | 97 | 116 |
| 20. | Dr. U. Arisekar | 17 | 22 | 865 | 439 |
| 21. | Dr. N. Neethiselvan | 8 | 5 | 733 | 5.18 |
| 22. | Dr. T. Ravikumar | 7 | 5 | 140 | 7.19 |
| 23. | Th. S. Mariappan | 3 | 0 | 24 | 1.70 |

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| Sl.No. | Name of the faculty | h-index | i10 – index | Citations (Present) | Research Gate score |
|--------|----------------------------|---------|-------------|---------------------|---------------------|
| 1. | Dr. R. Jeya Shakila | 34 | 97 | 4262 | - |
| 2. | Dr. S. Selvaraj | 19 | 23 | 548 | 1049 |
| 3. | Dr. V. Ezhilarasi | 2 | 1 | 26 | 26 |
| 4. | Dr.A.Uma | 16 | 28 | 895 | 963.8 |
| 5. | Dr. S. Saravanan | 3 | 3 | 39 | 42 |
| 6. | Dr. D. Kaviarasu | 3 | 1 | 27 | 30 |
| 7. | Dr.S. Aruna | 3 | 1 | 20 | 23 |
| 8. | Mrs.B.R.Sona | 2 | 0 | 5 | 5 |
| 9. | Mrs. NimishMol Stephen | 8 | 7 | 473 | 756 |
| 10. | Dr. N. Muralidharan | 17 | 21 | 815 | 1220 |
| 11. | Dr. K. Masilan | 7 | 5 | 142 | 138 |
| 12. | Mr.R.Velmurugan | 5 | 1 | 28 | 34 |
| 13. | Mr.D.ArunJenish | 2 | - | 7 | 7 |
| 14. | Dr.Lloyd Chrispin | 6 | 4 | 112 | 120 |
| 15. | Dr.L.Surulivel | 2 | 2 | - | - |
| 16. | Mr. P. Pavinkumar | 5 | 3 | 52 | 64 |
| 17. | Dr. N. Sudhan | 7 | 5 | 138 | 146 |
| 18. | Dr. N. Moulitharan | 6 | 5 | 91 | 93 |
| 19. | Dr. A. Jacklinwino | 2 | 1 | 11 | 13 |
| 20. | Mrs. S. Agnes Daney Angela | - | - | - | - |

(iii) College of Fisheries Engineering, Nagapattinam

| Sl.No | Name of the faculty | h-index | i10 - index | Citations (Present) | Research Gate score |
|-------|----------------------|---------|-------------|---------------------|---------------------|
| 1. | Dr. N. Manimehalai | 7 | 5 | 123 | 152.8 |
| 2. | Dr. Mohammad Tanveer | 9 | 9 | 250 | 287.7 |

| | | | | | |
|-----|---------------------|----|----|------|-------|
| 3. | Dr.M.Kamalakaran | 5 | 2 | 68 | 83.7 |
| 4. | T.L.S. Samuel Moses | 6 | 0 | 63 | 39.2 |
| 5. | Er.R.Rengarajan | 3 | 2 | 53 | 02 |
| 6. | Er.C.Mercy Amrita | 3 | 2 | 40 | 126.1 |
| 7. | Dr. P. Karthickumar | 8 | 6 | 147 | 283.3 |
| 8. | Dr.D.Kesavan | 23 | 42 | 2436 | 1218 |
| 9. | Dr. M.Ramar | 5 | 2 | 70 | 26.8 |
| 10. | Er.S.Monikandon | 4 | 0 | 51 | 87.8 |
| 11. | Er. D. Babiyola | 3 | 1 | 27 | 31.7 |

(iv) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

| Sl. No. | Name of the staff and Designation | h-index | i10 index | Citations (past 5 years) | Citations (overall) |
|---------|---|---------|-----------|--------------------------|---------------------|
| 1. | Dr.V.Senthilkumar Associate Professor & Head | 3 | 2 | 17 | 17 |
| 2. | Dr.S. Santhoshkumar Assistant Professor & Head | 5 | 3 | 67 | 81 |
| 3. | Dr. V. Alamelu Assistant Professor & Head | 5 | 4 | 88 | 88 |
| 4. | Mrs. C.Jeevitha Assistant Professor | -- | -- | -- | -- |
| 5. | Mrs. Vimaladevi Assistant Professor | 1 | 1 | 10 | 16 |
| 6. | Dr. A. Subburaj Assistant Professor | 7 | 7 | 141 | 170 |
| 7. | Dr.P. Elakkanai Assistant Professor | 2 | 1 | 22 | 22 |
| 8. | Dr. S. Deepika Assistant Professor | 3 | 1 | 30 | 30 |
| 9. | Mr.V.Durai Assistant Professor | 4 | 1 | 44 | 61 |
| 10. | Mr. P. Yuvarajan Assistant Professor | 4 | 1 | 46 | 50 |
| 11. | Dr. S. Kesavan Assistant Professor | 3 | 3 | 100 | 100 |
| 12. | Mrs. S.J Abisha Juliet Mary Assistant Professor | 1 | -- | 2 | 2 |
| 13. | Dr.Mahadevi Assistant Professor | 04 | - | 25 | 29 |
| 14. | Dr.A. Brita Nicy Assistant Professor | 4 | 2 | 37 | 43 |
| 15. | Mr. M. Mohammed Faizullah Assistant Professor(C) | 06 | 02 | 64 | 88 |
| 16. | Dr. M. Petchimuthu Assistant Professor (C) | 3 | - | 16 | 16 |
| 17. | Dr. R. Palani Assistant Professor (C) | 2 | 1 | 18 | 19 |

| | | | | | |
|-----|--|----|----|----|----|
| 18 | Mr. P. Praveenkumar Assistant Professor (C) | 03 | - | 17 | 17 |
| 19. | Ms. G.Ferolin Jessina Assistant Professor (C) | -- | -- | -- | -- |
| 20. | Mrs. I. Vidhya Assistant Professor (C) | -- | -- | -- | -- |

(v) Institute of Fisheries Biotechnology, Vaniyanchavadi

| Sl.No. | Name of the faculty | h-index | i10 - index | Citations (Present) | Research Gate score |
|--------|---------------------|---------|-------------|------------------------|------------------------|
| 1 | Dr. K. Kumanan | 23.0 | 46.0 | 1757 | 960.4 |

(vi) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi

| Sl.No. | Name of the faculty | h-index | i10 - index | Citations (Present) | Research Gate score |
|--------|--------------------------|---------|-------------|------------------------|------------------------|
| 1 | Dr. P. Sriram | 8 | 6 | 174 | |
| 2. | Dr. E. Suresh | 8 | 7 | 197 | - |
| 3. | Dr. V. Kaliyamurthi | 11 | 11 | 1222 | - |
| 4. | Tmt. A. JemilaThangarani | 6 | 1 | 3 | - |
| 5. | Dr. AmbikaBinesh | 8 | 6 | 263 | - |
| 6. | Dr. S. Prakash | 18 | 33 | 1595 | |
| 7. | Dr. Amit Ranjan | 13 | 17 | 468 | - |
| 8. | Dr. Deepak Agarwal | 10 | 10 | 281 | - |

(vii) TNJFU-Fisheries Business School, Vaniyanchavadi

| Sl.No. | Name of the faculty | h-index | i10 - index | Citations (Present) | Research Index score |
|--------|--------------------------|---------|-------------|------------------------|-------------------------|
| 1. | Dr. V. Nagajothi | 02 | Nil | 07 | 868.50 |
| 2. | Dr. S. A. Shanmugam | 15 | 17 | 742 | - |
| 3. | Dr. Soumyabrata Sarkar | 06 | 05 | 92 | 214.30 |
| 4. | Dr. R.Varadharaju | | | Nil | |
| 5. | Dr.P.Sivakumar | | | Nil | |
| 6. | Dr. C. Bali Sasikumar | | | Nil | |
| 7. | Dr. H. Shaik Abdul Kader | | | Nil | |
| 8. | Miss. V. Boomika | | | Nil | |

(viii) Paraprofessional Institute of Aquaculture, Muttukadu

| Sl.No. | Name of the faculty | h-index | i10 - index | Citations (Present) | Research Gate score |
|--------|---------------------|---------|-------------|------------------------|------------------------|
| 1. | Dr. A. Uma | 16 | 31 | 979 | 1,026 |
| 2. | Dr. E. Prabu | 13 | 18 | 710 | 759.9 |
| 3. | Dr. K. Abarna | 4 | 2 | 204 | 21.9 |
| 4. | Mrs. K. Krishnaveni | 1 | - | 12 | 2 |
| 5 | Mr.A.Monishkumar | 1 | 1 | 2 | 1 |

(ix) Paraprofessional Institute of Fishing Technology, Ramanathapuram

| Sl.No. | Name of the faculty | h-index | i10 - index | Citations (Present) | Research Gate score |
|--------|---------------------------|---------|-------------|------------------------|------------------------|
| 1. | Dr. Vinoth Kumar L. | 4 | 3 | 54 | 15 |
| 2. | Dr. Sarojini A. | 4 | 1 | 32 | 11.4 |
| 3. | Dr. Vignaesh D. | 8 | 7 | 267 | 15 |
| 4. | Dr. Mohammed Akram Javith | 3 | 2 | 35 | 15 |

15.Honors / Awards to the faculty: National and International

(i) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| Name of the faculty | Honors/Awards | National / International |
|---------------------|------------------------|--------------------------|
| Dr. C. Sudhan | Junior Scientist Award | National |

(ii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

| Name of the faculty | Honors/Awards | National / International |
|---------------------|---|--------------------------|
| Dr. Mahadevi | Young Scientist Award by Society of Fisheries and Life Sciences | National |

(iii) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi

| Name of the faculty | Honors/Awards | National / International |
|---------------------|-----------------------|--------------------------|
| Dr. Deepak Agarwal | Young Scientist Award | National (ICAR-NBFG) |
| Dr. AmbikaBinesh | Best Researcher Award | Institutional |

(iv) TNJFU-Fisheries Business School, Vaniyanchavadi

| Name of the faculty | Honors/Awards | National / International |
|------------------------|--|--------------------------|
| Dr. Soumyabrata Sarkar | Received International Academic Excellence Award 2024 during December 2024 | International |

16.Internal resources generated

(i) Fisheries College & Research Institute, Thoothukudi

| Sl.No. | Internal resources generated | Amount (Rs.) |
|--------|------------------------------|--------------|
| 1. | Tuition Fees | 5,50,000.00 |
| 2. | Exam Fees | 4,66,000.00 |
| 3. | Sale of Inputs | 53,597.00 |

| | | |
|-----|----------------------------------|--------------|
| 4. | Samples Testing | 23,210.00 |
| 5. | Training | 1,83,900.00 |
| 6. | Building Rent | 0 |
| 7. | Sale of Tender | 10,266.00 |
| 8. | Library Outcomes | 0 |
| 9. | Other Fees | 2,66,675.00 |
| 10. | Vehicle Hire Charges | 11,450.00 |
| 11. | Lab Services (Training) | 9,000.00 |
| 12. | Training & Bench Fees | 0 |
| 13. | Training (Institutional charges) | 13,200.00 |
| 14. | Webinar (Institutional charges) | 0 |
| | Total | 15,87,298.00 |

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| Sl.No. | Internal resources generated | Amount in Rs. |
|--------|--|---------------|
| 1. | ARTP (lease amount, sales, etc) | 4,000 |
| 2. | ARM (rent, other sales, etc) | 1,47,132 |
| 3. | ARFF (sale of fish, seed, feed, etc) | 11,465 |
| 4. | PRFF (sale of fish, seed, etc) | 9,050 |
| 5. | SRLAAH – SFS (disease diagnosis testing) | 0 |
| 6. | SRLAAH – laboratory services | 0 |
| 7. | DAEM – SFS (water quality testing) | 6,700 |
| 8. | DFPT – SFS (products sale) | 826 |
| 9. | Seafood Quality Testing – SFS (testing) | 0 |
| 10. | DAQ – Testing charges | 2,750 |
| 11. | Webinar/ Training fee | 0 |
| 12. | Study materials | 9,500 |
| 13. | Rent (Canteen, FTP, Kayalagam, C. Hall, etc) | 1,29,728 |
| 14. | Technology commercialization | 0 |
| 15. | Library outcome | 8,853 |
| 16. | Vehicle hire charges | 10,450 |
| 17. | Other fees from Students | 15,500 |
| 18. | Sale of Tender | 4,500 |
| 19. | Auction sale | 15,340 |
| | Total | 3,75,795 |

(iii) College of Fisheries Engineering, Nagapattinam

| S.No. | Internal resources generated | Rs. |
|-------|------------------------------|---------|
| | Revenue generated | 1071610 |
| | Fisheries Engineering | |
| | EEE self-supporting fees | 200000 |
| | Total | 1271610 |

(iv) Paraprofessional Institute of Aquaculture, Muttukadu

| Sl.No. | Internal resources generated |
|--------|---|
| 1. | A revenue of Rs.78,845/- has been generated through sales of fish feed in this quarter. |

17.Details of departments getting assistance / recognition under SAP, COSIST (ASSIST)/DST, FIST, ICAR-NAE / CoE and other programmes

(i) Fisheries College & Research Institute, Thoothukudi

| Name of the college | Assistance / recognition under SAP, COSIST (ASSIST)/DST, FIST, ICAR-NAE / CoE and other programmes | Amount | Remarks |
|---|--|--------|---------|
| Fisheries College and Research Institute, Thoothukudi | ICAR DG 2023-24 | -- | -- |


18.Community services

(i) Fisheries College & Research Institute, Thoothukudi

| Name & address of Community services | Contact No. | Details of Services | Remarks |
|--|-------------|---|-----------------------------------|
| Department of Fish Quality Assurance and Management | | | |
| M/s. Vitality aquaculture Pvt Ltd., SA 18, Thoothukudi co-operative Industrial Estate Ltd, Korampallam, Thoothukudi. | 8870079476 | Samples received from different companies were analyzed for various analytical parameters | 22,360/- |
| M/s. JIS Pickle Unit | | | |
| M/s. Sanchery Marine Products, and | | | |
| M/s. ALM Trading Company | | | |
| Detection of pathogens in fish and fishery products | | Training | 82,500/- |
| Department of Fish Pathology and Health Management | | | |
| AS Aquafarm, Thirupullani Ramanathapuram District | 6380618216 | Analysis of shrimp samples for WSSV | Analyzed and conveyed the results |
| Sivanthi Aquafarm | 9566699100 | Analysis of shrimp | Analyzed and |

| | | | |
|---|------------|---|---|
| Panjal Tirunelveli District | | samples for WSSV | conveyed the results |
| Ohm Muruga Aquafarm, Thirupullani, Ramanathapuram District | 9443130143 | Analysis of shrimp samples for EHP | Analyzed and conveyed the results |
| SRM Aquafarm, Kottaipattinam, Pudukkottaidistrict | - | Analysis of shrimp samples for EHP | Analyzed and conveyed the results |
| TKP Aquafarm, Thirupullani, Ramanathapuram district | - | Analysis of shrimp samples for EHP | Analyzed and conveyed the results |
| Star Aqua, ThirupullaniRamnathapuram District | - | Analysis of shrimp samples for EHP | Analyzed and conveyed the results |
| Sriram Fish Farm, V.K.PudurTenkasi District Fish samples given for analysis | - | Analysed fish sample for the presence of disease agents | Found positive for <i>Aeromonas hydrophila</i> |

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| Name & address of community services | Contact No. | Details of Services | Remarks |
|--|----------------|---|---------|
| Fishermen of Fishing Harbour, Kasimedu, Chennai - Coastal cleanup | EIA | <p>Fishing Harbour, Kasimedu</p> <p>The Export Inspection Agency, Chennai has conducted coastal cleanup awareness program SWACHHATA HI SEVA 2024 in connection with Gandhi Jayanti on 2 October 2024 at Fishing Harbour, Kasimedu, Chennai jointly with the Department of Fisheries and Fisheries Welfare Tamil Nadu and the Sea Food Exporters Association of India, Tamil Nadu Chapter. In this awareness program, two of our college students and farm manager. Dr. Ruby participated. Dr. L. Surulivel, Assistant Professor coordinated the program.</p>  | Nil |


| | | | |
|---|-------------------|--|-----|
| Villagers of Jamilahbath coastal village, Pulicat - Plastic pollution | Village President | <u>Jamilahbath Coastal Village, Pulicat</u> Dr. MGR Fisheries College and Research Institute conducted a one day National Service Scheme (NSS) camp on 23.10.2024 in Jamilahbath coastal village, Pulicat in Tiruvallur district, College Dean Dr. R. Jayasakila inaugurated and spoke about the role of public and students in impact of plastic pollution, coastal protection, marine resources protection. The B.F.Sc II year students actively participated in this program. Dr. L. Surulivel, Assistant Professor and NSS coordinator, Dr.P.Ruby, Farm Manager, Dr. A. Kannan Physical Director and Ms.N. Ramya Farm Manager coordinated the volunteer students for coastal clean-up. | Nil |
|---|-------------------|--|-----|

(iii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

| Name & address of Community services | Contact No. | Details of Services | Remarks |
|--|-------------|--|---------|
| T.Mutharasan, Road street, Jayakondapattinam, Chidambaram, Cuddalore – 608 002 | 8524054192 | Shrimp types, seed rate, feed types, feed rate and their margin rate were explained. | - |
| K.Karthik | 9944011726 | Start up- Retorted crab in brine - Utilised the facilities of retort for crabs in brine | - |
| K.L.Saranya, Idukki, Kerala | 8281511681 | Technology transfer of Mackerel fish curry in retort | - |
| Mr.Karthikeyan | 9944011726 | Start up- Tuna fish gravy and Retorted crab in brine - Utilised the facilities of retort | - |
| Mr. R. Abilan KPK Fish farm, Kulithalai, Karur | 9894423885 | Feeding management and Water quality management in carp farming | - |
| Mr. V. Veerapandian | 8610492411 | Shrimp farming - WFS | |

(iv) Paraprofessional Institute of Aquaculture, Muttukadu

| Name & address of Community services | Contact No. | Details of Services | Remarks |
|---|--|---|--|
| Karikattukuppam, Muttukadu, Chennai – 603 112. | C.Gopinath (Village Head) Phone: 9952989385 | Given Lectures related to fishermen welfare schemes by Inspector fisheries, Department of Fisheries, Tamil Nadu | Karikattukuppam village has been adopted by DIVA |

| | | | |
|--|--|---|--|
| | | and explained about UG courses, Fishermen quota & Training facilities available at DIVA by DIVA faculties to Fishers at Karikattukuppam, Muttukadu. | |
|  | | | |

19. Teachers and officers newly recruited

(i) Fisheries College & Research Institute, Thoothukudi

| Sl.No. | College | Name of the Teachers | Name of the Officers | Recruited Date |
|--------|--------------------|--|---|-----------------------|
| 1. | FC&RI, Thoothukudi | Dr. P. Subash Assistant Professor (contractual) (DFPHM) | -- | 11.12.2024 |
| 2. | FC&RI, Thoothukudi | -- | Th. R.S. Jeya Vignesh (Junior Assistant) | 07.10.2024 (D.O.J) |

(ii) Paraprofessional Institute of Aquaculture, Muttukadu

| Sl.No. | College | Name of the Teachers | Name of the Officer | Recruited Date |
|--------|------------------|----------------------|---------------------------------|----------------|
| 1. | PPIAT, Muttukadu | - | Dr. A. Uma as Director, DIVA | 13.11.2024 |

20. Teaching – Non-teaching staff ratio

(i) Fisheries College & Research Institute, Thoothukudi

| Sl.No. | College | Teaching – Non-teaching staff ratio (E.g. 10:50) | | |
|--------|--------------------|---|--------------------|-------|
| 1. | FC&RI, Thoothukudi | (Sanctioned) 43 :113 (Position) 23 : 59 | | |
| Sl. | Details | Teaching | Non-teaching staff | Total |

| No. | | staff | | |
|-----|------------------------------|-------|-----|-----|
| 1. | Sanctioned strength | 43 | 113 | 156 |
| 2. | Working at FCRI, Thoothukudi | 23 | 59 | 82 |
| 3. | Working at other station | 1 | 17 | 18 |
| 4. | Contractual | 7 | 23 | 30 |
| 5. | vacant | 12 | 14 | 26 |

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| Sl.No. | College | Teaching – Non-teaching staff ratio (E.g. 10:50) |
|--------|------------------------|--|
| 1. | Dr. MGR FC&RI, Ponneri | Actual Teaching : Non-teaching ratio - 31 : 27 Teaching : Non-teaching (incl CLs) - 31 : 106 In-Position Teaching : Non-teaching ratio - 20 : 18 Teaching : Non-teaching (incl CLs) - 25 : 93 |

(iii) College of Fisheries Engineering, Nagapattinam

| Sl.No. | College | Teaching – Non-teaching staff ratio (E.g. 10:50) | |
|--------|--|--|-------|
| 1. | College of Fisheries Engineering, Nagapattinam | Teaching | 13 |
| | | Teaching (Contractual) | 5 |
| | | Non-teaching (Dean office) | 4 |
| | | Non-teaching(Contractual- Dean office) | 6 |
| | | Non-teaching (Contractual- Lab Assistants and lab technicians) | 11 |
| | | Ratio | 18:21 |

(iv) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

| Sl.No. | College | Teaching – Non-teaching staff ratio (E.g. 10:50) |
|--------|----------------------------|---|
| 1. | Dr. MGR FCRI, Thalainayeru | 27 : 72 |

(v) Institute of Fisheries Biotechnology, Vaniyanchavadi

| Sl.No. | College | Teaching – Non-teaching staff ratio (E.g. 10:50) |
|--------|---------|---|
| 3:10 | | |

(vi) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi

| Sl.No. | College | Teaching – Nonteaching staff ratio (E.g. 10:50) |
|--------|---------|--|
| 16:30 | | |

(vii) TNJFU-Fisheries Business School, Vaniyanchavadi

| Sl.No. | College | Teaching – non-teaching staff ratio (E.g. 10:50) |
|--------|------------|---|
| 1. | TNJFU, FBS | 7:1 |

(viii) Paraprofessional Institute of Aquaculture, Muttukadu

| Sl.No. | College | Teaching – Non-teaching staff ratio (E.g. 10:50) |
|--------|-----------------|---|
| 1. | DIVA, Muttukadu | 5:14 |

(ix) Paraprofessional Institute of Fishing Technology, Ramanathapuram

| Sl.No. | College | Teaching – Non-teaching staff ratio (E.g. 10:50) |
|--------|---------|--|
| 1. | PPIFT | Teaching staff – students' ratio 1:10 Non-teaching staff – students' ratio 1:10 |

21.Improvements in the library services

(i) Fisheries College & Research Institute, Thoothukudi

| Sl.No. | Improvements in the library services (Quantifiable) |
|--------|---|
| 1. | <ul style="list-style-type: none">• Digital resource expansion: E-journal subscriptions acquired through J-Gate Plus platform.• User engagement: Increased library footfall by 30%, from an average of 100 to 130 daily visitors.• Extended hours: Expanded operating hours from 8 hours to 10 hours per day.• Technology upgrade: Installed high-speed internet, doubling the previous capacity.• Plagiarism detection: Acquired licenses for Drillbit software, an advanced plagiarism detection tool used for fisheries PG and PhD research. |

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| Sl.No. | Improvements in the library services (Quantifiable) |
|--------|---|
| 1. | CERA Hits by students (in this quarter) : 308 |
| 2. | No. of students visited library (in this quarter) : students 2,726 |
| | Remarks : The no. of students visited the library increased in this quarter from 2,635 |

(iii) TNJFU-Fisheries Business School, Vaniyanchavadi

| Sl.No. | Improvements in the library services (Quantifiable) |
|--------|--|
| 1. | Annual subscription of 15 international journals |
| 2. | Annual subscription of Aquaculture Spectrum and BW Businessworld magazines |

(iv) Paraprofessional Institute of Aquaculture, Muttukadu

| Sl.No. | Improvements in the library services |
|--------|--|
| 1. | Subscriptions were made for journals (Aquastar, Aqua International) and magazines. |
| 2. | Semester-wise E-books (8 numbers) were downloaded and documented in the library system to improve the resources. |

22. New books/journals subscribed and their value

(i) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| Sl.No. | Name of New books/Journals subscribed | Quantity | Value (Rs.) |
|--------|--|----------|-------------|
| 1. | Instant world fisheries | 1 | 677.97 |
| 2. | Underwater wonders fun facts about aquatic creatures | 1 | 508.47 |
| 3. | Crack fisheries easy: vol 5 | 1 | 508.47 |
| 4. | Crack fisheries easy: vol 1 | 1 | 423.73 |
| 5. | Fish in news 2023 | 1 | 550.85 |
| 6. | Fish Disease Card | 3 sets | 1,271.19 |

(ii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

| Sl.No. | Name of New books/journals subscribed | Quantity | Value (Rs.) |
|--------|---|----------|-------------|
| 1. | Renewal of subscription - Inland Fisheries Society of India | 1 | 2500 |

(iii) Paraprofessional Institute of Aquaculture, Muttukadu

| Sl.No. | Name of New books/journals subscribed | Quantity | Value (Rs.) |
|--------|---------------------------------------|----------|-------------|
| 1 | Model question bank on Fisheries | 2 | 1070 |

| | | | |
|---|-------------------------|---|------|
| 2 | Handbook of Aquaculture | 1 | 1490 |
| 3 | A to Z of Fisheries | 2 | 1190 |

23. Courses in which students assessment of teachers is introduced and the action taken on student feedback

(i) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| Sl.No. | Name of the course | | | | Action taken |
|--------|--|--|---------------------------|-------------------|--|
| 1. | Course feed backs received from 2021-22 batch – VI semester students | | | | Respective course teachers are instructed to inform the students to increase the feedback of their courses undertaken. |
| | Sl.No | Course title | No. of feedbacks received | Average/ Poor (%) | |
| | 1 | FS – 310 Shellfish Hatchery Management 2 (1 + 1) | 14 | | |
| | 2 | FS – 311 Microbial and Parasitic Diseases of Fish and Shellfish 3 (2 + 1) | 21 | | |
| | 3 | FS – 312 Therapeutics in Aquaculture 2(1 + 1) | 14 | | |
| | 4 | FS- 313 Fish Products and Value Addition 3 (2+ 1) | 44 | 1 | |
| | 5 | FS – 314 Fish Packaging Technology 2 (1 + 1) | 32 | | |
| | 6 | FS – 315 Quality assurance of Fish and Fishery Products 3 (2 + 1) | 22 | | |
| | 7 | FS – 316 Fishing Technology 2 (1 + 1) | 17 | | |
| | 8 | FS – 317 Navigation and Seamanship 2 (1 + 1) | 21 | | |
| | 9 | FS – 318 Fisheries Administration and Entrepreneurship Development 2 (2 + 0) | 21 | | |
| | 10 | FS – 319 Fisheries Co-operatives, Marketing and Business Management 3 (2+1) | 18 | | |
| | Course feed backs received from 2022-23 batch – IV semester students | | | | |
| | Sl.No | Course title | No. of feedbacks received | Average/ Poor (%) | |

| | | | | |
|--|-------|--|---------------------------|-------------------|
| | 1 | FS – 210 Coastal Aquaculture and Mariculture 3(2+ 1) | 47 | |
| | 2 | FS – 211 Genetics and Breeding 2 (1 + 1) | 25 | |
| | 3 | FS – 212 Fish Nutrition and Feed Technology 3 (2 + 1) | 4 | |
| | 4 | FS- 213 Fish and Shellfish Pathology 3 (2 + 1) | 46 | |
| | 5 | FS – 214 Physiology of Finfish and Shellfish 3 (2 + 1) | 19 | |
| | 6 | FS – 215 Fishery Oceanography 2 (1 + 1) | 16 | |
| | 7 | FS – 216 Aquatic Pollution and Coastal Zone Management 3 (2 + 1) | 30 | |
| | 8 | FS – 217 Fish Canning Technology 2 (1 + 1) | 44 | |
| | 9 | FS – 218 Fishing Gear Technology 2 (1 + 1) | 27 | |
| Course feed backs received from 2023-24 batch – II semester students | | | | |
| | Sl.No | Course title | No. of feedbacks received | Average/ Poor (%) |
| | 1 | FS – 110 Freshwater Aquaculture 3 (2 + 1) | 9 | |
| | 2 | FS – 111 Aquaculture in Reservoirs 2 (1 + 1) | 3 | |
| | 3 | FS – 112 Taxonomy and Shellfish 2 (1 + 1) | 5 | |
| | 4 | FS- 113 Anatomy and Biology of Shellfish 3 (2 + 1) | 4 | |
| | 5 | FS – 114 Inland Fisheries 3 (2 + 1) | 23 | |
| | 6 | FS – 115 Limnology 3 (2 + 1) | 9 | 1 |
| | 7 | FS –116 Marine Biology 3(2+1) | 20 | 1 |
| | 8 | FS – 117 Food Chemistry and Fish in Nutrition 3 (2 + 1) | 35 | 1 |
| | 9 | FS – 118 Information | 22 | 1 |

| | | | | | |
|--|----|---|----|--|--|
| | | and Communication Technology 2 (1 + 1) | | | |
| | 10 | FS – 119 Physical Education, First Aid & Yoga Practices | 13 | | |

(ii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

| Sl.No. | Name of the course | Action taken |
|------------------------------------|---|--|
| IV Semester (2022-23 Batch) | | |
| 1 | FS 210 Coastal Aquaculture and Mariculture | Feedbacks were analysed and circulated to the respective course teachers |
| 2 | FS 211 Genetics and Breeding | |
| 3 | FS 212 Fish Nutrition and Feed Technology | |
| 4 | FS 213 Fish and Shellfish Pathology | |
| 5 | FS 214 Physiology of Finfish and Shellfish | |
| 6 | FS 215 Fishery Oceanography | |
| 7 | FS 216 Aquatic Pollution and Coastal Zone Mangement | |
| 8 | FS 217 Fish Canning Technology | |
| 9 | FS-218 Fishing Gear Technology | |

| | | |
|------------------------------------|---|--|
| II Semester (2023-24 Batch) | | |
| 1. | FS 110 Freshwater Aquaculture | Feedbacks were analysed and circulated to the respective course teachers |
| 2. | FS 111 Aquaculture in Reservoirs | |
| 3. | FS 112 Taxonomy of Shellfish | |
| 4. | FS 113 Anatomy and Biology of Shellfish | |
| 5. | FS 114 Inland Fisheries | |
| 6. | FS 115 Limnology | |
| 7. | FS 116 Marine Biology | |
| 8. | FS 117 Food Chemistry and Fish in Nutrition | |
| 9. | FS 118 Information and Communication Technology | |
| 10. | FS 119 Physical Education, First Aid & Yoga Practices | |

(iii) Institute of Fisheries Biotechnology, Vaniyanchavadi

| Sl.No. | Name of the course | Action taken |
|--|--------------------|--------------|
| Teachers were advised to follow more ' Blended Teaching Methods '. Best grading was given for the attribute ' Teachers attitude and behaviour towards the students is friendly and helpful ' with 64.7% stating 'Excellent'. Students wanted some improvements in some ' Teachers communication ability ' and 'inputs related to developments happening in biotechnology' | | |

(iv) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi

| Sl.No. | Name of the course | Action taken |
|---|--------------------|--------------|
| All the course teachers of MFScanPhd degree program were evaluated through the online portal for feedback. Suitable instructions are given to those course teachers whom have been rated poor, to assess the reasons and correct them. Faculty members conducted four | | |

Mentor-Mentee meetings to sort out the difficulties of students if any. The PG students of 2023-24 batch are instructed to upload their feedback.

(v) TNJFU-Fisheries Business School, Vaniyanchavadi

| Sl.No. | Name of the course | Action taken |
|--------|--------------------|---|
| 1. | BBA and MBA (FEM) | The following are the summary of overall rating for the various courses and teachers of B.B.A and M.B.A. (FEM) degree program Excellent: 3,261 Very good: 2,619 Good: 2,217 Average:687 Poor:134 |

(vi) Paraprofessional Institute of Aquaculture, Muttukadu

| Sl.No. | Name of the course | Action taken |
|--------|---|--|
| 1. | All the courses of I, III and V semesters of B.Voc (IA) | <ul style="list-style-type: none"> Action was taken for the use of ICT tools like modern teaching aids, power point presentation, web-resources, etc.as suggested in the feed back by the students. Hands on Training was given to the students to work in Micro Soft Word, Excel, Powerpoint, etc., |

24.Feedback from stakeholders

(i) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| Sl.No. | Name of the stakeholders | Feedbacks |
|--------|--|--|
| 1. | Training programme on "Climate smart Aquaculture Technologies" | Feedbacks from 50 participants were collected |
| 2. | PONSHRIMP 2025 | Feedbacks from 200 participants were collected |

(ii) Institute of Fisheries Biotechnology, Vaniyanchavadi

| Sl.No. | Name of the stakeholders | Feedbacks |
|--------|---------------------------------|---|
| 1 | Life Cell International Pvt Ltd | Good. IFBT graduates are comparatively better than other institution graduates in their technical skills. |

(iii) TNJFU-Fisheries Business School, Vaniyanchavadi

| Sl.No. | Name of the stakeholders | Feedbacks |
|--------|---|--------------------|
| 1. | Dr. Santhana Krishnan, CEO of S.K. Marine Technology Pvt. Ltd., Chennai | Highly appreciated |
| 2. | Mr. Yuvaraj, Founder of Sun shine hatcheries, Chennai | Highly appreciated |

| | | |
|----|--|--------------------|
| 3. | Mr. Siva Ram, Managing Director of IAS Group of Hatcheries Nellore | Highly appreciated |
|----|--|--------------------|

(iv) Paraprofessional Institute of Aquaculture, Muttukadu

| Sl.No. | Name of the stakeholders | Feedbacks |
|--------|---------------------------------------|---|
| 1. | Thiru. C. Gopinath, Village president | As per the Feedback letter received from Village president, information related to Fishermen quota, UG courses & Govt. schemes for the fishermen were provided to all the fishers of Karikattukuppam fishing village. |

25. Unit cost of education (Cost of Personnel + Recurring / All Students)

(i) Fisheries College & Research Institute, Thoothukudi

| Sl.No. | Unit cost of education per semester | Amount in (Rs.) |
|--------|---|-----------------|
| 1. | Cost for the semester per student – FC&RI | 1,05,180 |

| Sl. No | Particulars | Amount |
|--|---|-------------|
| 1. | Cost of Personnel | 2,67,43,673 |
| 2. | Recurring | 40,74,147 |
| | TOTAL | 3,08,17,820 |
| 3. | No. of Students including UG, PG & Ph.D | 293 |
| The unit cost of education for the three months (Oct 2024 to Dec 2024) per student | | 1,05,180 |

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| Sl.No. | Unit cost of education per semester | Amount in (Rs.) |
|--------|-------------------------------------|-----------------|
| | | Rs.20,217/- |

Total No. of Students: 726

Total Expenditure this month: General Fund + Students Welfare:

Rs. 1,44,81,685 + 1,95,486 = Rs.1,46,77,171/-

Unit cost of Education (Total Expenditure / No. of students): Rs.20,217/-

(iii) College of Fisheries Engineering, Nagapattinam

| S.No | Particulars | FE | EEE | Amount (Rs.) |
|------|-------------------|--------|--------|--------------|
| 1 | Cost of Personnel | 0 | 120000 | 120000 |
| 2 | Recurring | 609292 | 0 | 609292 |
| 3 | Total | 609292 | 120000 | |

| | | | |
|---|--------------------------|-----|--------|
| 4 | Total number of Students | 163 | |
| 5 | Unit cost of Education | | 729292 |

(iv) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

| Sl.No. | Unit cost of education per semester | Amount in (Rs.) |
|--------|-------------------------------------|--|
| 1. | Rs. 20,812 / Month / Student | Rs.1,22,99,892/- for 3 months for 197 students |

(v) Institute of Fisheries Biotechnology, Vaniyanchavadi

| Sl.No. | Unit cost of education per semester | Amount in (Rs.) |
|--------|--------------------------------------|-----------------|
| 1 | Institute of Fisheries Biotechnology | 17,292/- |

(vi) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi

| Sl.No. | Unit cost of education per semester | Amount in (Rs.) |
|--------|---|-----------------|
| 1 | Institute of Fisheries Postgraduate Studies | 20,907/- |

(vii) TNJFU-Fisheries Business School, Vaniyanchavadi

| Sl.No. | Unit cost of education per semester | Amount in (Rs.) |
|--------|---|-----------------|
| 1. | Cost of personnel – ₹ 8,49,872/- Recurring – ₹ 38,954/- Total students – 52 | 17,093/- |

(viii) Paraprofessional Institute of Aquaculture, Muttukadu

| Sl.No. | Particulars | Amount in (Rs.) |
|------------|--|-----------------|
| B.Voc (IA) | Cost of Personnel | 6,61,761/- |
| | Recurring cost | 5,68,017/- |
| | Total | 12,29,778/- |
| | No. of students | 65 |
| | The Unit cost of Education per quarter per student | 18,920/- |
| | The Unit cost of Education per month per student | 6306.55/- |

26.Computerization of administration and the process of admissions and examination results, issue of certificates

(i) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| Sl.No. | List of computerization of administrations and the process of admissions and examination results, issue of certificates made |
|--------|--|
| 1. | Mid – term mark statement uploaded in EMS portal by the respective course |

| | |
|----|--|
| | teachers |
| 2. | Attendance of all students for the courses are marked in EMS portal regularly by the course teachers for each course |
| 3. | Issue of e-invitation for the conduct of all events in the campus |
| 4. | Tapals received in emails passed on to administration and faculties via email for further action |

(ii) College of Fisheries Engineering, Nagapattinam

| | |
|--------|---|
| Sl.No. | List of computerization of administrations and the process of admissions and examination results, issue of certificates made |
| 1. | Pay roll, Bill system, library books monitoring system are done online. Further course registration for UG and PG, hall ticket, attendance and mark statements are being |

(iii) Institute of Fisheries Biotechnology, Vaniyanchavadi

| | |
|--------|--|
| Sl.No. | List of computerization of administrations and the process of admissions and examination results, issue of certificates made |
| i | Education Management system is digitized |
| ii | Office Management is partially digitized |

(iv) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi

| | |
|--------|--|
| Sl.No. | List of computerization of administrations and the process of admissions and examination results, issue of certificates made |
| I | Education Management system is digitized |
| II | Office Management is partially digitized |

(v) TNJFU-Fisheries Business School, Vaniyanchavadi

| | |
|--------|--|
| Sl.No. | List of computerization of administrations and the process of admissions and examination results, issue of certificates made |
| 1. | Office management is partially digitalized |

27. Increase in the infrastructural facilities

(i) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| Sl.No. | Increase in the infrastructural facilities | Amount (Rs.) |
|--------|---|--------------|
| 1. | Purchase of Podium mike and collar mike | 16,600 |
| 2. | Installation of cameras and Biometric device in the campus. | 89,632 |

(ii) College of Fisheries Engineering, Nagapattinam

| Sl.No. | Increase in the infrastructural facilities |
|--------|---|
| 1. | CCTV installation with repair and maintenance work for EEE building and CoFE administrative buildings |

(iii) Paraprofessional Institute of Aquaculture, Muttukadu

| Sl.No. | Increase in the infrastructural facilities |
|--------|--|
| 1. | <ul style="list-style-type: none">Facilities to perform the wet lab experiment for fish growth trial was establishedThe Laboratory infrastructure in terms of laminar air flow chamber and tissue homogenizer has been strengthened.Chemicals and Kits for evaluation of Water quality parameters and enzyme assays were procured for water quality and feed quality Labs. |

28. Technology upgradation/Validation

(i) Paraprofessional Institute of Aquaculture, Muttukadu

| Sl.No. | Technology up gradation | Date |
|--------|---|------------|
| 1 | Mineral mix for shrimp culture (Validation was done at commercial shrimp farm, Mahabalipuram) | 10.09.2024 |

29. Computer and internet access and training to teachers, non-teaching staff and students

(i) Fisheries College & Research Institute, Thoothukudi

| Sl.No. | Computer & Internet access | Training to Teachers | Training to Non-Teaching Staff | Training to Students |
|--------|---|---|---|---|
| 1. | Computer : 6 Nos with Internet and Wi-Fi access | Regularly training has been given to the Teachers | Regularly training has been given to the Non-Teaching Staff | Regularly training has been given to the Students |

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| Sl.No. | Computer & Internet access | Training to Teachers | Training to Non-Teaching Staff | Training to Students |
|--------|--|----------------------|--------------------------------|----------------------|
| 1. | Campus is fully enable with Wi-Fi access | - | - | - |

(iii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

| Sl.No. | Computer & Internet access | Training to Teachers | Training to Non-Teaching Staff | Training to Students |
|--------|--|----------------------|--------------------------------|-------------------------------------|
| 1. | MS Office skills training, including Excel, PowerPoint, and Word | - | - | For 2023-24 batch B.F.Sc. Students. |

(iv) Institute of Fisheries Biotechnology, Vaniyanchavadi

| Sl.No. | Computer & Internet access | Training to Teachers | Training to Non-Teaching Staff | Training to Students |
|--|----------------------------|----------------------|--------------------------------|----------------------|
| Computer and Internet facilities available. All the staff and students are trained and have access to both | | | | |

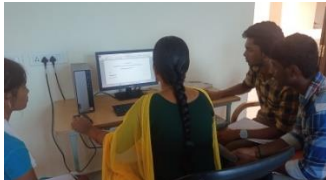
(v) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi

| Sl.No. | Computer & Internet access | Training to Teachers | Training to Non-Teaching Staff | Training to Students |
|---|----------------------------|----------------------|--------------------------------|----------------------|
| Computer and Internet facilities available. All the staff and students are trained and have access to both. | | | | |

(vi) TNJFU-Fisheries Business School, Vaniyanchavadi

| Sl.No. | Computer & Internet access | Training to Teachers | Training to Non-Teaching Staff | Training to Students |
|--------|----------------------------|----------------------|--------------------------------|----------------------|
| 1. | Yes | Yes | Yes | Yes |

(vii) Paraprofessional Institute of Aquaculture, Muttukadu

| Sl.No. | Computer & Internet access | Training to Teachers | Training to Non-Teaching Staff | Training to Students |
|--------|----------------------------|----------------------|--------------------------------|--|
| 1. | Available | - | - | <p>Training was given to first year students on the use of computers and on MS Word and Powerpoint presentation</p>  |

30. Financial aid to students

(i) Fisheries College & Research Institute, Thoothukudi

| Sl.No. | Name of the financial aid | Amount in (Rs.) | Year |
|--------|--|-----------------|-----------------|
| 1. | Pudhumai Penn Scholarship (Rs.1,000/- per month x 12 students x 3 months) | 36,000 | Oct'24 – Dec'24 |
| 2. | TNJFU Merit Scholarship M.F.Sc. students Rs.4000/- per month & Ph.D. Students Rs.5000/- per month) | 6,31,190 | Oct'24 – Dec'24 |
| 3. | NTS (UG students Rs.3000/- per month & PG students per month Rs. 5,000/- | NIL | Oct'24 – Dec'24 |
| 4. | Student Ready Programme (B.F.Sc. 2019-2020 batch) | NIL | Oct'24 – Dec'24 |
| 5. | 7.5% TN Govt. Quota | NIL | Oct'24 – Dec'24 |
| 6. | TN SC&ST Scholarship for one full time Ph.D. Scholar (4 students x Rs. 1,00,000/- Per year) | NIL | Oct'24 – Dec'24 |
| 7. | Fishermen Quota 5 % | NIL | Oct'24 – Dec'24 |

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| Sl.No. | Name of the financial aid | Amount in (Rs.) | Year |
|--------|--|-----------------|---------|
| 1. | Pudumei Pen Scheme – (2 Students) (@ Rs. 1000 / per month) | 6000 | 2023-24 |
| 2. | TNJFU Stipend M.F.Sc (2022-23 batch) – 12 Students for III Semester | 2,57,040 | 2023-24 |
| 3. | TNJFU Stipend M.F.Sc (2022-23 batch) - 12 Students for III Semester | 2,15,220 | 2023-24 |
| 4. | TNJFU Stipend Ph.D (2022-23 batch) - 1 Student for III Semester | 23,548 | 2023-24 |
| 5. | TNJFU Stipend Ph.D (2021-22 batch) - 1 Student for VI Semester | 22,258 | 2023-24 |

(iii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

| Sl.No. | Name of the financial aid | Amount in (Rs.) | Year |
|--------|---|-------------------------|---|
| 1. | Fishermen ward scholarship | 46,000 (4 students) | 2022-23 & 2023-24 |
| 2. | 7.5% Government school students | 69,000 (6 students) | 2022-23 & 2023-24 |
| 3. | Pudhumai pen scheme (Rs. 1000/month) | 93,000 (31 Students) | 2021-22, 2022-23, 2023- 24 & 2024-25 |
| 4. | Tamil Pudhalvan Schme (Rs. 1000/month) | 42,000 (14 Students) | 2021-22, 2022-23, 2023- 24 & 2024-25 |
| 5. | Scholarship to BC and MBC | - | - |

| | | | |
|----|-----------------------------------|---|---|
| | students | | |
| 6. | Scholarship to SC and ST students | - | - |
| 7. | Pattukottai Azhagiri Endowment | - | - |

(iv) Institute of Fisheries Biotechnology, Vaniyanchavadi

| Sl.No. | Name of the financial aid | Amount in (Rs.) | Year |
|--------|---|--|---------|
| 1 | Pudhumai Pen Scheme of Government of Tamil Nadu (C.MariaNilani BTV 20100) | 1000/- per month | 2023 |
| 2 | 7.5% Govt. School Quota (S Sowmiya BTV 21139; B Preethi BTV 22169 and P Sathyaseelan BTV 22172) | Semester Fees exempted upto Rs.50,000 per year | 2023 |
| 3 | TNSSP-SC / ST Scholarship (18 students) | Rs 48,290 each | 2023-24 |
| 4 | TNSSP-BC/MBC/BCM Post Matric Scholarship (19 Students) | Rs 6300 each | 2023-24 |
| 5 | TNSSP- BC/MBC/BCM Free education scheme (8 Students) | Rs.10,300 each | 2023-24 |

(v) TNJFU-Fisheries Business School, Vaniyanchavadi

| Sl.No. | Name of the financial aid | Amount in (Rs.) | Year |
|--------|--|-----------------------|-------|
| 1. | Government banks providing education loan, which are available to eligible students | - | 24-25 |
| 2. | <ul style="list-style-type: none"> BC/MBC central post matric scholarship and free education scheme Central scheme govt post matric scholarship for SC/ST students | ₹ 8,000 ₹ 1,00,000 | 24-25 |

(vi) Paraprofessional Institute of Aquaculture, Muttukadu

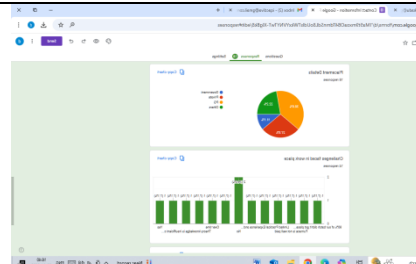
| Sl.No. | Name of the financial aid | Amount in (Rs.) | Year |
|--------|---|-------------------------------|-----------|
| 1. | Most of the students are getting semester wise State government fellowships | Average of 7000/- per student | 2023-2024 |

31.Activities and support from the Alumni Association

(i) Institute of Fisheries Biotechnology, Vaniyanchavadi

| College | Batch | Activities | Support from Alumni Association |
|--|-------|------------|---------------------------------|
| A 'Whatsapp Group' of Institute of Fisheries Biotechnology alumni has been created | | | |

(i) Paraprofessional Institute of Aquaculture, Muttukadu

| College | Batch | Activities | Support from Alumni Association |
|------------|------------------------------|--|---|
| DIVA PPIAT | 2019-20, 2020-21 and 2021-22 | Alumni register is being updated regularly. In addition, google forms has been created for timely update from students |  |

32. Health services


(i) Fisheries College & Research Institute, Thoothukudi

| Sl.No. | Name of the Health services |
|--------|---|
| 1. | <ul style="list-style-type: none"> Dr. Banu Devanesam, MBBS, DGO, Thoothukudi has been engaged as part-time Medical Officer to look after the medical care of students and staff. The Doctor visits the college twice a week i.e. on Tuesday and Thursday |

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| Sl.No. | Name of the Health services |
|--------|---|
| 1. | <ul style="list-style-type: none"> A part-time doctor visits our campus twice a week. The total no. of people benefited by this service is 10. |


(iii) College of Fisheries Engineering, Nagapattinam

| Sl.No. | Name of the Health services |
|--------|---|
| 1. | <p>Regular counseling is being given to the needy students by the medical doctor appointed on hourly basis apart from health issues.</p>  |

(iv) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi

| Sl.No. | Name of the Health services |
|--------|---|
| 1. | Student's Personal accident health insurance policy has been taken with M/s. Oriental Insurance Co, Ltd., |

(v) Paraprofessional Institute of Aquaculture, Muttukadu

| Sl.No. | Name of the Health services |
|--|---|
| 1 | <p>1. Yoga & meditation training was given to B.Voc (IA) students on weekly basis by the Yoga teacher (R. Srinivasugi) of the NGO "ArokiaBharathi"</p> <p>2. Lectures were arranged to all DIVA staffs and students related to human nutrition by nutritionist.</p> |
|  | |

33. Performance in the sports activities

(i) Fisheries College & Research Institute, Thoothukudi

| S. No | Event name | Games | Student Name | Position Acquired | Date |
|-------|---|------------------|-------------------------------|-------------------|--------------|
| 1. | State level CM Trophy Competition-2024-25 | Beach volleyball | 1.Vasika 2.Nanditavarshini | Participation | October 2024 |

(ii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

| Sl.No. | College | Performance in sports activities | Date |
|--------|--------------------------------|---|---------------------------|
| 1. | Dr. MGR. FC & RI, Thalainayeru | Ms. D. Agalaya, a 2nd-year student from the 2022-23 batch participated in the Chief Minister's Trophy State-Level Sports Competition conducted by the Youth Welfare and Sports Development Department of the Tamil Nadu Government held at the Tamil Nadu Physical Education and Sports University, Chengalpattu. | 07.10.2024 and 08.10.2024 |
| 2. | Dr. MGR. FC & RI, | Mr. V. Sivasakthi, a 1 st Year B.F.Sc. | 08.11.2024 to |


| | | | |
|--|--------------|---|------------|
| | Thalainayeru | student participated and secured Bronze medal in the Senior State Tennikoit Championship organized by the Tamil Nadu Roller Skating Association held at Coimbatore. | 11.11.2024 |
|--|--------------|---|------------|

(iii) Paraprofessional Institute of Aquaculture, Muttukadu

| Sl.No. | College | Performance in sports activities | Date |
|--------|--------------|--|------------|
| 1 | DIVA – PPIAT | Sports Day was held at DIVA, Muttukadu. The following sports events were conducted: 1. Volley Ball (Men) 2. Kabbadi (Men) 3. Throw Ball (Women) 4. Carrom (Men & women) 5. Chess (Men & women) 6. Cricket (Men) 7. Running (Men & women) 8. Relay race (Men & women) 9. Kho-kho (Women) | 24.10.2024 |

34. Student achievements and awards

(i) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| Sl.No. | Student Name | Batch | Achievements / Awards | Date |
|--------|--|--|---|--------------------------|
| 1. | Mr. Gokul Prasad | M.F.Sc (2020-21 batch) | The College of Fisheries in Kishangani hosted a national seminar called "Advances in Environment Management for Sustainable Fisheries Livestock Production (AEMS-2024)." An M.F.Sc student received the "Dr. V R P Sinha Gold Medal" for the Best Master's Thesis | 18.11.2024 to 19.11.2024 |
| 2. | Mr. Tamilarasu Ms. Kowsalya Ms. Rithvika Sri | II B.F.Sc (I Prize) I B.F.Sc (II Prize) I B.F.Sc (III Prize) | A poster-making competition on 'Climate Change Prevention in Fisheries' was held on World Fisheries Day at Dr. MGR Fisheries College and Research Institute, Ponneri. The students received their prizes from the honorable Fisheries Minister, in the presence of the Secretary of Animal Husbandry and Fisheries and the Director of Fisheries, Government of Tamil Nadu.  | 21.11.2024 |

| | | | | | |
|--|--|--|--|--|--|
| | | | |  | |
|--|--|--|--|--|--|

(ii) College of Fisheries Engineering, Nagapattinam

| Sl.No. | Student Name | Batch | Achievements / Awards | Date |
|--------|---|----------------|-------------------------------------|--------------|
| 1 | Goparnika.J ' DMK Engineer's team Organised the Great Speech competition - Thiruvavarur' | IV B.Tech (FE) | Speech competition (Third Prize) | October 2024 |

(iii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

| Sl.No. | Student Name | Batch | Achievements / Awards | Date |
|--------|-------------------|---------|---|--------------------------|
| 1. | Mr. V. Sivasakthi | 2024-25 | Won Bronze medal in the Senior State Tennikoit Championship | 08.11.2024 to 11.11.2024 |



(iv) Paraprofessional Institute of Aquaculture, Muttukadu

| Sl.No. | Student Name | Batch | Achievements and Awards | Date |
|--------|---------------------------|---------------|--|------------|
| 1 | Naveen kumark Venkatesh S | B Voc 2021-22 | Published a popular article entitled "Recent Trends in Shrimp Farming in India" in Aquastar magazine | 19.10.2024 |

35.Activities of the Guidance and Counselling unit

(i) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| Sl. No | Activities of the Guidance and Counselling unit |
|--------|--|
| 1. | <p>Training Programme</p> <p>A collaborative training program on "Climate-smart Aquaculture Technologies" was conducted online for three days from 27th to 29th November 2024 jointly by TNJFU, Dr. MGR FC&RI, Ponneri, and MANAGES, Hyderabad using the Webex platform. A total no.of Participants (students, farmers, and faculties) from various organizations in India took part in the program.</p> |

| 2. | <p>ICAR mock test: 2 Nos. of ICAR Mock test were conducted through virtual mode for the III B.F.Sc., students of 2021-22 Batch for the following</p> <table><tr><th>Sl.No.</th><th>Name of the Department</th><th>Number of time mock exam conducted</th></tr><tr><td>1.</td><td>DAQC</td><td>2</td></tr><tr><td>2.</td><td>DFPT</td><td>1</td></tr></table> | Sl.No. | Name of the Department | Number of time mock exam conducted | 1. | DAQC | 2 | 2. | DFPT | 1 |
|--------|---|------------------------------------|------------------------|------------------------------------|----|------|---|----|------|---|
| Sl.No. | Name of the Department | Number of time mock exam conducted | | | | | | | | |
| 1. | DAQC | 2 | | | | | | | | |
| 2. | DFPT | 1 | | | | | | | | |
| 3. | <p>SPCG Activities</p> <p>As part of the Students Placement and Career Guidance (SPCG) Cell activity, we organized a placement workshop in hybrid mode for 38 students (2020-2021 batch) in the Seminar Hall on 03.10.2024. Our Alumnus, Mr. Kumaresan, Senior DGM at Sheng Long Bio-Tech (India) Pvt. Ltd. Chennai, led the workshop. Dr. Sudhan, Assistant Professor, served as the Chairman, and Dr. N. Moulitharan, Assistant Professor, was a member of the SPCG Cell. They coordinated the event with other constituent colleges of Tamil Nadu Dr. J. Jayalalithaa Fisheries University, Nagapattinam.</p> <div></div> | | | | | | | | | |
| 4. | <p>Campus Interview</p> <p>Students' Placement and Career Guidance (SPCG) cell guided our alumni members and recently graduated students (2020-2021 batch) to participate in the on-campus interview at DIVA, Muttukadu by M/s. WaterBase Pvt.Ltd shortlisted four out of the eight candidates who attended the interview for various positions.</p> | | | | | | | | | |

(ii) College of Fisheries Engineering, Nagapattinam

| | |
|--------|--|
| Sl.No. | Activities of the Guidance and Counselling unit |
| 1. | <p>10 students were allotted to each staff for counseling</p> <p>Exclusive counseling hour is allotted in the time table</p> <p>Dr. Sheik Allavudin, MBBS is also providing counseling to the students as per the need</p> |

(iii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

| | |
|--------|---|
| Sl.No. | Activities of the Guidance and Counselling unit |
| 1. | Effective mentor-mentee meetings are held regularly to provide guidance, support, and address the student's needs and concerns. |

| | |
|----|--|
| 2. | Batch coordinators and counselors hold regular ward counseling sessions to proactively address students' educational and curricular needs. |
|----|--|

(iv) Institute of Fisheries Biotechnology, Vaniyanchavadi

| Sl.No. | Activities of the Guidance and Counselling unit |
|--------|--|
| 1 | Two Mentor-Mentee meetings were held during the quarter under report |

(v) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi

| Sl.No. | Activities of the Guidance and Counselling unit |
|--------|--|
| 1 | Periodical Mentor-Mentee meeting is being conducted to review the progress of the students in their research work. |

(vi) Paraprofessional Institute of Aquaculture, Muttukadu

| Sl.No. | Activities of the Guidance and Counselling unit |
|--------|--|
| 1. | Regular class committee meetings with students were conducted for guidance and counseling on academics and personality development |
| 2. | Personality development lecture from guest faculty (Mr.Sridhar – General English and Communication) was organized. |

36.Placement services provided to students

(i) Fisheries College & Research Institute, Thoothukudi

| Sl.No. | College | No. of interviews conducted | Organization Govt./Pvt. | Batch | Status |
|--------|-------------------|-----------------------------|--|-------------------------|---|
| 1. | FCRI, Thoothukudi | Two | Dhan Foundation, Madurai Interview held on 04.10.2024 | 2020 – 21 and 2022 - 23 | Selected fifteen candidates and waitlisted three students |
| 2. | | | Sheng Long Biotech (India) Pvt. Ltd, Chennai Interview held on 07.10.2024 | | Shortlisted thirteen candidates |

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| Sl.No. | College | No. of interviews conducted | Organization Govt./Pvt. | Batch | Status |
|--------|----------------------|-----------------------------|-------------------------|---------|---------------|
| 1. | Dr. M.G.R. Fisheries | 1 | Private | 2020-21 | 1 student got |

| | | | | | |
|--|---|--|--|--|---|
| | College and Research Institute, Ponneri | | | | appointed as sea farm in Andhra Pradesh |
|--|---|--|--|--|---|

(iii) College of Fisheries Engineering, Nagapattinam

| Sl.No. | College | No. of interviews conducted | Organization Govt./Pvt. | Batch | Status |
|--------|---------|-----------------------------|--|--|--------|
| 1 | CoFE | 1 | Elcompo Electronics Pvt Ltd., Chennai - Rs.18,000 (including food) Schneider Electricals Pvt Ltd., Chennai - Rs.21,000 (including food) Sri Venkateswara Hatcheries, Hosur - Rs.22,000 (+ free accommodation & food) | 2021-22 Batch FE - 24 students & EEE - 9 Students | |

(iv) Institute of Fisheries Biotechnology, Vaniyanchavadi

| Sl.No. | College | No. of interviews conducted | Organization Govt./Pvt. | Batch | Status |
|---|---------|-----------------------------|-------------------------|-------|--------|
| UniBio Hatcheries, Marakkanam, Life Cell international Pvt limited, Chennai, 'Optum Health Care Business Services and Technology', Chennai, Unibio Hatcheries, Marakkanam, ARC Fertility Centre and Bioklone Biotech Pvt. Ltd., Siruseri have been contacted for the placement of 2020-2021 batch B.Tech. Biotechnology graduates. 11 students have already been placed | | | | | |

(v) TNJFU-Fisheries Business School, Vaniyanchavadi

| Sl.No. | College | No. of interviews conducted | Organization Govt./Pvt. | Batch | Status |
|--------|------------|---|-------------------------|-------------|---|
| 1. | TNJFU, FBS | One off campus interview by Waterbase Pvt. Ltd. | Pvt. | MBA 22 – 23 | 2 students were selected through interview by Waterbase Pvt. Ltd. |

(vi) Paraprofessional Institute of Aquaculture, Muttukadu

| Sl.No. | College | Placement Service provided | Year |
|--------|----------------------------------|--|------|
| 1. | PPIAT (B.Voc IA) Batch 2021-2022 | A total 6 student of B.Voc(IA) were selected for placement in M/S.Water base private limited, Nellore. | 2024 |

37. Development programmes for non-teaching staffs – Nil

| Sl.No. | College | Name of the programme | Date | Venue |
|--------|---------|-----------------------|------|-------|
| | | | | |

38. Good practices of the institution

(i) Institute of Fisheries Biotechnology, Vaniyanchavadi

| Sl.No. | Good practices of the institution |
|--------|--|
| i. | B.Tech. Biotechnology degree programme is accredited by AICTE |
| ii. | 'Prospiciance Groups' has been initiated for encouraging group discussions among students |
| iii. | Brainstorming sessions on subject matters for the final year students through 'Biotechcellence Club' |
| iv. | Mandatory project work for the final year Undergraduate students |
| v. | Compulsory internships |
| vi. | Encouraging undergraduate students to be associated with faculty for research and lab activities |
| vii. | Introduction of dress code to undergraduate students on selected days |
| viii. | Development and adoption of SOP for all laboratories |
| ix. | Frequent anti-ragging awareness programmes for a ragging free campus |
| x. | Frequent Mentor-Mentee meetings |
| xi. | Grievances Redressal system and Anti-drug awareness activities for the benefit of the students |
| xii. | MOOC courses for undergraduate students |
| xiii. | Conduct of Biotechnology subject matter group meeting to facilitate student and faculty research |

(ii) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi

| Sl.No. | Good practices of the institution |
|--------|---|
| i. | Mandatory project work for the postgraduate student's during course |
| ii. | Encouraging postgraduate students to be associated with faculty for research and lab activities |
| iii. | Identification of mentor from outside institution is encouraged. |

(iii) TNJFU-Fisheries Business School, Vaniyanchavadi

| Sl.No. | Good practices of the institution |
|--------|--|
| 1. | All UG and PG students are wearing uniform weekly twice |
| 2. | It is advised to register MOOC course compulsorily |
| 3. | Project work made mandatory for all Final year BBA and MBA students |
| 4. | Compulsory internship BBA and MBA students |
| 5. | Arranging guest lectures for soft skill development for the students |
| 6. | Conducting group discussion and mock interview for final year students |
| 7. | Conducting meeting between parents and teacher |

| | |
|-----|---|
| 8. | Weekly seminars given to students |
| 9. | Special communication skill training for I Year BBA and MBA students |
| 10. | Frequent anti-ragging awareness programmes for a ragging free campus |
| 11. | Students and teachers' participation on the occasion of various international and national days celebration |
| 12. | Awareness to the student regarding campus cleaning activities and less usage of plastic material in and out of the campus |
| 13. | Campus placement activity |
| 14. | Student college uniform mandatory for weekly twice |

(iv) Paraprofessional Institute of Aquaculture, Muttukadu

| Sl.No. | Good practices of the institution |
|--------|--|
| 1. | Plastic free DIVA campus was ensured with proper disposal of wastes (Degradable & Non degradable separately). A disposal bin was kept at the entrance of the campus. |
| 2. | Beautification of DIVA campus was done by planting trees. A gardener was appointed to maintain the tress planted |
| 3. | Display board withgolden words was displayed |

(v) Paraprofessional Institute of Fishing Technology, Ramanathapuram

| Sl.No. | Good practices of the institution |
|--------|--|
| 1. | The First PPIFT College Hostel Day Programme was conducted by the final year students of B.Voc. 2021-22 batch on 22.11.2024 to commemorate the spirit of college hostel life. The program was graced by the presence of Chief guest Dr. K. Rathnakumar, Former Registrar of TNJFU and TNOU who delivered an inspiring speech emphasizing the importance of holistic development and the role of hostels in shaping students' lives beyond academics. The Principal, Mr. Navaneethakrishnan C., presided over the function and delivereda felicitation address. Dr. Usha Antony, Dean of, the College of Fish Nutrition and Food Technology, also graced the function and delivered a motivational speech for the students. Following this, students dance and musical competitions were held and the prizes were distributed to the winners of various events. |

39.Linkages developed with National/International, academic/research bodies

(i) Institute of Fisheries Biotechnology, Vaniyanchavadi

| Sl.No. | College/Institute | Linkages developed | National/International | Department | Date |
|--------|--------------------------------|--------------------|------------------------|------------|-----------|
| 1 | Unibio (India) Hatcheries Pvt. | Internship | National | Private | December- |

| | | | | | |
|--|---------------|-------------------|--|--|-----------|
| | Ltd, Mugaiyur | and Placements | | | Till date |
|--|---------------|-------------------|--|--|-----------|

(ii) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi

| Sl.No. | College/Institute | Linkages developed | National/ International | Department | Date |
|--------|--------------------------------|--|----------------------------|------------|------------------|
| 1. | MSSRF Chennai | Linkages were developed and visits, by the postgraduate and doctoral students pursuing their research project work were able to take needy help from the above institutes. | National | Research | Since March 2023 |
| 2. | TRPVB, TANUVAS, Chennai, | | | | |
| 3. | Sathyabama Institute | | | | |
| 4. | CIBA, Chennai | | | | |

40.Action Taken Report on the Quarterly Meeting

The University and its constituent colleges were regularly conducting the IQAC quarterly meeting and the Action Taken Report on the quarterly meeting was timely prepared and submitted in the IQAC portal <https://www.tnifu.ac.in/iqac/index>

41.Any other relevant information the institution wished to add.

(i) Fisheries College & Research Institute, Thoothukudi

| Sl.No. | Any other relevant information |
|--------|--|
| 1. | Genbank submission (accession number and title) Nucleotide sequence PQ505665 (<i>Scomberomorus lineolatus</i> Complete D-loop region) Dr. B. Sivaraman received by Department of Fish Quality Assurance and Management. |

(ii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

| Sl. No. | Any other relevant information | | | |
|---------|---|--------------------|------------------|--|
| | Extension / Technical articles Published | | | |
| | Title of the Article / Press news | Author / Co-Author | Published date | Journal/ Magazine/ Newspaper/Vol. no.,page no. |
| | Export of Frozen squid and cuttlefish (Tamil Article) | P.Praveenkumar | <i>Submitted</i> | |

| | | | |
|--|---|---------------------------|--|
| Best Management practices in shrimp farming | M. Petchimuthu., G. Ferolin Jessina., S.J. Abisha Juliet Mary | <i>Submitted</i> | Aqua International |
| Role of e-DNA in fish health | N. Imran Mohammed, S.J. Abisha Juliet Mary, M. Petchimuthu, G. Ferolin Jessina | 14.10.2024 | Meenvalarsudar |
| Role of phenomics in fish health | S.J. Abisha Juliet Mary, M. Petchimuthu, G. Ferolin Jessina | 14.10.2024 | Meenvalarsudar |
| Role of CRISPR in developing disease-resistant fish species | G.Ferolin Jessina Abisha Juliet Mary S.J. M.Petchimuthu | Submitted (19.10.2024) | Aquastar |
| Biofloc – copefloc Technology: A synergistic Approach to sustainable Aquaculture | M. Mohamed Faizullah M. Muthu Abishaq, P. Yuvarajan, Mahadevi I. Vidhya | November 2024 | Aquastar, 11, 2024 104-108 |
| Wave makers: The vital role of women in Indian Fisheries | I. Vidhya K. Keerthika M. Mohamed Faizullah | November 2024 | Aquastar, 11, 2024 47-52 |
| Role of CRISPR in developing disease-resistant fish species | G.Ferolin Jessina Abisha Juliet Mary S.J., M.Petchimuthu | November 2024 | Aquastar, Nov 2024, 85-86. |
| Antibiotics: Use Wisely, Stay Healthy (Pamphlet) | G.Ferolin Jessina S.J. Abisha Juliet Mary M.Petchimuthu S. Balasundari | Published 18.11.2024 | Pamphlet |
| Best management practices in shrimp farming | M. Petchimuthu, G. Ferolin Jessina and S. J. Abisha Juliet Mary | 07.12.2024 | Aqua International/42-44 |
| The Role of Probiotics in Aquatic Animal Health | Abisha Juliet Mary S J | 30.12.2024 | Fish Tech Digest Vol 1, Issue- 1 (Pg No- 48-52) |
| Seminars/webinars/Conferences attended by faculty staff/Research scholars | | | |

| Sl. No. | Name and Designation | Title of the Programme | Duration | Venue |
|---------|----------------------|---|--------------------------|--------------------------------|
| 1. | Mrs.I.Vidhya | One day Workshop on "Writing proposal for funding project. | 20.10.2024 | Online |
| 2. | Mrs.S.Archana | Global Online Certificate Course: Environment data, maps and GIS (Geographic Information System) for communication in 21st century | 27.09.2024 – 09.10.2024 | Online |
| 3. | Dr. P. Elakkanai | International workshop on "Perspectives, Opportunities and Challenges in Fisheries Sciences in a Changing Climate: A Workshop for Emerging Scientist" | 19.11.2024 to 23.11.2024 | KSNUAHS, Shivamogga, Karnataka |

(iii) Institute of Fisheries Biotechnology, Vaniyanchavadi

| Sl.No. | Any other relevant information |
|--------|---|
| 1 | Celebrated India Space week |
| 2 | Organized anti-ragging awareness week |
| 3 | Tree planting campaign as a part of Global Campaign "Plant4Mother" |
| 4 | Organized expert talk on "Intellectual Property Right" for the benefit of the students and faculty |

(iv) TNJFU-Fisheries Business School, Vaniyanchavadi

| Sl.No. | Any other relevant information |
|--------|--|
| 1. | Worldfisheries day celebration on 23.11.2024& 25.11.2024 |
| 2. | National constitution day celebration on 26.11.2024 |

Section C: Outcome achieved by the end of the quarter

I. Education (Provide in Numbers)

(i) Fisheries College & Research Institute, Thoothukudi

| | |
|--|----|
| Number of Courses handled | |
| UG | 44 |
| PG | 49 |
| Ph.D | 8 |
| Number of Students engaged in research | |
| PG | 46 |
| Ph.D | 25 |

- (ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| | |
|--|----|
| Number of Courses handled | |
| UG | 27 |
| PG | 31 |
| Ph.D | |
| Number of Students engaged in research | |
| PG | 13 |
| Ph.D | 08 |

- (iii) College of Fisheries Engineering, Nagapattinam

| | |
|--|----|
| Number of Courses handled | |
| UG | 25 |
| PG | 1 |
| Ph.D | |
| Number of Students engaged in research | |
| PG | 3 |
| Ph.D | |

- (iv) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

| | |
|--|----|
| Number of Courses handled | |
| UG | 37 |
| PG | 3 |
| Ph.D | - |
| Number of Students engaged in research | |
| PG | 2 |
| Ph.D | - |

- (v) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi

| | |
|--|-----------|
| Number of Courses handled | |
| UG | 1 |
| PG | 4 |
| Ph.D | 4 |
| Number of Students engaged in research | |
| PG | 13 |
| Ph.D | 4 |

- (vi) TNJFU-Fisheries Business School, Vaniyanchavadi

| | |
|--|-----|
| Number of Courses handled | |
| UG | 44 |
| PG | 10 |
| Ph.D | Nil |
| Number of Students engaged in research | |
| PG | 10 |
| Ph.D | Nil |

(vii) Paraprofessional Institute of Aquaculture, Muttukadu

| | |
|--|----|
| Number of Courses handled | |
| UG | 20 |
| PG | - |
| Ph.D | - |
| Number of Students engaged in research | |
| PG | - |
| Ph.D | - |

II. Research

(i) Fisheries College & Research Institute, Thoothukudi

| | |
|------------------------------|----|
| Number of Ongoing Projects | 11 |
| Number of Projects submitted | 10 |

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| | |
|------------------------------|----|
| Number of Ongoing Projects | 6 |
| Number of Projects submitted | 11 |

(iii) College of Fisheries Engineering, Nagapattinam

| | |
|------------------------------|---|
| Number of Ongoing Projects | - |
| Number of Projects submitted | 4 |

(iv) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

| | |
|------------------------------|---|
| Number of Ongoing Projects | 5 |
| Number of Projects submitted | 1 |

(v) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi

| | |
|------------------------------|--|
| Number of Ongoing Projects | 4 |
| Number of Projects submitted | 1 "Unraveling the genetic variation among the Scat(<i>Scatophagusargus</i>)populations of India through captive breeding and molecular markers" (Recommended for fund release) |

(vi) Paraprofessional Institute of Aquaculture, Muttukadu

| | |
|----------------------------|---|
| Number of Ongoing Projects | 8 |
|----------------------------|---|

| | |
|------------------------------|---|
| Number of Projects submitted | 1 |
|------------------------------|---|

III. Extension

(i) Fisheries College & Research Institute, Thoothukudi

| | |
|--------------------------------------|--|
| Number of Training Program conducted | 14 |
| DAEM | Preparation of fertilizer using fish solid waste |
| Number of Webinar conducted | 1 |
| Awareness programme conducted | 3 |
| e- Quiz conducted | -- |
| Advisory services | |
| a) In-person | |
| b) By post | |
| c) Sample Analyses | 2 |
| DFBRM | <p>Services - Identification of specimens</p> <ol style="list-style-type: none"> 1. A total of 38 seashell species were identified for PG scholar, Ms. Tamil Selvi of the Dept. of Zoology, Kamaraj College (Autonomus) Thoothukudi. 2. A squid specimen was identified for PG scholar, Ms. Subhathrasree of the Dept. of Zoology, Lady Doak College (Autonomous) Madurai. |
| DFPHM | <p>TNJFU Referral Laboratory for Aquatic Animal Health (Sc.No.14-106-02)</p> <p>Shrimp samples were analyzed and an amount of Rs.9,000/- - was earned.</p> |
| d) Training | 1 |
| e) Radio /TV Talk | 10 |
| f) Field visit conducted | 2 |
| DFEES | Arranged Field visit to Manapad on 28.10.24 |

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| | |
|--------------------------------------|-----|
| Number of Training Program conducted | 2 |
| Number of Webinar conducted | 1 |
| Advisory services | |
| a) In-person | Nil |

| | |
|--------------------------|------------------------|
| b) By post | Nil |
| c) Sample Analyses | DAQ – 08 DAAHM - 11 |
| d) Radio /TV Talk | Nil |
| e) Field visit conducted | 7 |

(iii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

| | |
|--------------------------------------|---|
| Number of Training Program conducted | - |
| Number of Webinar conducted | 1 |
| Advisory services | |
| a) In-person | 6 |
| b) By post | - |
| c) Sample Analyses | - |
| d) Radio /TV Talk | - |
| e) Field visit conducted | - |

(iv) Paraprofessional Institute of Aquaculture, Muttukadu

| | |
|--------------------------------------|----|
| Number of Training Program conducted | - |
| Number of Webinar conducted | - |
| Advisory services | |
| a) In-person | |
| b) By post | |
| c) Sample Analyses | 4 |
| d) Radio /TV Talk | 12 |
| e) Field visit conducted | 1 |

IV. Publications

Research

(i) Fisheries College & Research Institute, Thoothukudi

| Title | National/International | NAAS Ratings |
|---|------------------------|--------------|
| Department of Fisheries Biology and Resources Management | | |
| Karthik. N, Bhat. F.A, Qayoom. I, Jayakumar N, Sudhan C, Seenivasan P, Meril D, Mohd I, Mattoo A. 2024. Physiological traits and population dynamics of <i>Schizothoraxniger</i> (Heckel, 1838): Insights from Dal Lake and the Jhelum River, Kashmir, Himalayan region, J Fish Biol. 2024 Oct 29. doi: 10.1111/jfb.15967. Epub ahead of print. | International | 8.00 |

| | | |
|--|---------------|------|
| PMID: 39472308. | | |
| Surendiran, B., Karuppasamy, K.,, Suyani, N.K., 2024 Range Extension of <i>AblabysMacracanthus</i> (Bleeker, 1852; Perciformes; Tetrarogidae) from the West Coast of India, Northern Arabian Sea (2024),National Academy of Science Letters-67. | International | 7.10 |
| Surendiran, B., Karuppasamy, K.,,Suyani, N.K., 2024 <i>Phalangipussomnathensis</i> sp. Nov. (Decapoda, brachyura, Epialtidae) a new species of spider crab from India, Arabian sea, with a key to the species of phalangipusLatreille, 1828, Crustaceana-56 | International | 6.70 |
| Kishorekumar, M.; Jayakumar, N.; Jawahar, P.; Neethiselvan, N.; Padmavathy, P.; Karuppasamy, K.; Sudhan, C., andChandravanshi, S., 2024. Length–weight relationship of nine elasmobranch species landed along the south Tamil Naducoast, India. Journal of Coastal Research, 40(6), 1160–1165. Charlotte (North Carolina), ISSN 0749-0208 | International | 7.20 |
| Chandravanshi, S., Jayakumar, N.,Durairaja, R., Aanand, S., Suresh, E., Sudhan, C., Kashyap, N. andNarsale, S.A. (2024). Feeding Aspects and Reproductive Biologyof Smalltooth Emperor, <i>Lethrinus microdon</i> (Valenciennes, 1830)in the Gulf of Mannar along the Indian Southeast Coast. IndianJournal of Animal Research. 1-10. doi: 10.18805/IJAR.B-5381. | International | 6.40 |
| Sanjay Chandravanshi, N. Jayakumar, R. Durairaja, S. Aanand · E. Suresh · C. Sudhan · M. Kishore Kumar, Mahesh Chand Sonwal, Adyasha Sahu. 2024.Length-Weight Relationships and Condition Factor of 15 Coastal Fish Species (Family: Lethrinidae) of the Gulf of Mannar, Southeast Coast of India. Thalassas: An International Journal of Marine Sciences (2025) 41:27 https://doi.org/10.1007/s41208-024-00786-z | International | 6.70 |
| Surendiran, B., Karuppasamy, K., Mahadevan, G., Suyani, N.K., 2024. A | International | 7.10 |

| | | |
|--|---------------------------|------------------|
| record of the ocellated shrimp goby, <i>Tomiyamichthysrussus</i> (Cantor, 1849) (Gobiiformes: Gobiidae) from peninsular India. Journal of Marine Biological Association of UK., 104. | | |
| M. Sharumathi, N. Jayakumar, R. Durairaja, M. Kalaiarasan, L. Ranjith, J. Joyson Paul, Sanjay Chandravanshi, M. Kishorekumar, Adyasha Sahu and Chandran Sudhan. 2024.Length–weight relationships and Relative condition factors of 15 lutjanid fish species of the Gulf of Mannar, Southeast coast of India. Thalassas: An International Journal of Marine Sciences (2025) 41:35 https://doi.org/10.1007/s41208-024-00789-w | International | 6.70 |
| V.V. Lakshmi, N. Jayakumar, A. Uma, A. Subburaj, P. Ruby, Sanjay Chandravanshi. 2024.Histological alterations in two estuarine fishes, (<i>Mugil cephalus</i> and <i>Sillagosihama</i>) from Ennore creek, south east coast, India. Indian Journal of Animal Research | International | 6.50 |
| Department of Fish Pathology and Health Management | | |
| Kaviyarasu, P., Sivasankar, P., Chrisolite, B., Subash, P., Priyadharshini, M., Mageshkumar, P., Mansoor, M., ,Selvamagheshwaran, M. (2025). Protective and haemato-immunological effect of seaweed crude extracts against Tilapia Lake Virus (TiLV) in Nile tilapia, <i>Oreochromis niloticus</i> . Aquaculture International, 33(1), 122. | Aquaculture International | 8.3 |
| Review article: Debbarma, S., Deb, S., Yadav, N.K., Kashyap, S., Debbarma, P., Chrisolite, B., Yirang, Y., Meena, D.K., Singh, S.K., Choudhury, T.G., Patel A.B., 2024.Waste Not, Want Not: Unlocking the Innovative Potential of Organic and Eco-Friendly Insect and Algal Resources for Future Aquaculture”. AquacultureInternational Accepted on 29 December 2024. | Aquaculture International | 8.3 |
| Department of Aquatic Environment Management | | |
| A sex-based growth performance, gene expression, fillet quality and fatty acid profile in GIFT tilapia cultured in field | International | 10.1 (Accepted) |

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| conditions (Balaprakash, S. Aanand; D Manimekalai; Muralidhar P. Ande; Somu Sunder Lingam R) | | |
| Single and Combined Toxicity of Phenanthrene and Copper on Growth, Lipid Content, and Polyunsaturated Fatty Acid Production in Indigenous Marine Microalgae from Southeastern India (K.Parkavi, V. Rani, M.J.ThamaraiSelvi, F.Parthiban, P.Padmavathy, RishikeshVenkataokadam) | International | 6.7 (Submitted) |
| Acute and chronic toxicity of ibuprofen on haematology, histology and enzymological activity of <i>Labeorohita</i> (Rohu) (S. Sakthi, D. Manimekalai, P. Padmavathy, R. Shalini, N. Jayakumar, M. Ponmani) | International | 8.5 (Submitted) |
| Department of Fishing Technology and Fisheries Engineering | | |
| Comparison of catch efficiency of wire mesh fish traps operated along the coast of Thoothukudi, Southeast coast of India | National | 6.7 |
| Quality and shelf life evaluation of Surimi gel-based fish bait under refrigerated and ambient storage | International | 6.7 |
| Vulnerability of mangrove ecosystems to anthropogenic marine litter along the southeast coast of India. | International | 15.80 |
| Department of Fish Quality Assurance and Management | | |
| Iyyappan, T., Santhakumar, R., Arul Oli, G., Padmavathy, P., Athithan, S. and Arisekar, U., 2025. Enterprise Attributes and Hazard Risks in the Ornamental Fish Trade: Implications for Ecosystem Integrity and Stakeholder Engagement in Southeast India. Journal of Coastal Research, 41(1), pp.131-145. | International | 6.0 |
| Shalini, R., Arisekar, U., Jeyasekaran, G., Jeya Shakila, R., Sundhar, S., Sivaraman, B. and Tamizhselvan, S., 2025. Mineral Composition of the Commercially Valuable Fish and Shellfish Caught along the | International | 6.0 |

| | | |
|--|---------------|------|
| Thoothukudi Coast, Southeast India. Journal of Coastal Research, 41(1), pp.94-104. | | |
| Dhruve, D., Shalini, R., Shakila, R.J., Arisekar, U., Jayasekaran, G., Hemamalini, A. and Ratrey, V., 2024. Method validation for the detection of formaldehyde in fish using ultra performance liquid chromatography. Indian Journal of Fisheries, 71(3). | National | 6.50 |
| Department of Fish Processing Technology | | |
| Quality and shelf-life evaluation of Surimi gel-based fish bait under refrigerated and ambient storage. | International | 0.7 |

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| Name | Title | National/International | NAAS Ratings |
|---|---|------------------------|--------------|
| V.V. Lakshmi, N. Jayakumar, A. Uma, A. Subburaj, P. Ruby, Sanjay Chandravanshi | Histological alterations in two estuarine fishes, (<i>Mugil cephalus</i> and <i>Sillago sihama</i>) from Ennore creek, south east coast, India. Indian Journal of Animal Research | National | 6.50 |
| Geoffery, G.K.R., Athithan, S., Pereira, J.J., Amirtharaj, K.S.V., Jeya Shakila, R. and Ruby, P. | Nutritional Evaluation and Cost Analysis of Water Hyacinth (<i>Eichhornia crassipes</i>) as a Replacement of Fish Meal in the Diets of GIF Tilapia. Indian Journal of Animal Research. doi: 10.18805/ IJAR.B-5440. | National | 6.50 |
| Priyatharshni., A, Cheryl Antony., Uma. A., Ahilan. B, Chidambaram. P, Ruby. P, Prabu. E | Dietary Ulva seaweed supplementation on growth, whole body chemical composition, haematological responses and skin carotenoid content levels in GIFT strain of Nile tilapia (<i>Oreochromis niloticus</i>), Pakistan Journal of Zoology | International | 6.70 |
| Karthick, N., Bhat, F.A., Qayoom, I., Jayakumar, N., | Physiological traits and population dynamics of <i>Schizothorax niger</i> (Heckel, 1838): insights from Dal lake | National | 8.00 |

| | | | |
|--|---|---------------|------|
| Sudhan, C., Seenivasan, P., Meril, D., Mohd, I., Mattoo, A., | and the Jhelum River, Kashmir, Himalayan region | | |
| M. Kishorekumar, N. Jayakumar, P. Jawahar, N. Neethiselvan, P. Padmavathy, K. Karuppasamy, C. Sudhan, and Sanjay Chandravanshi | Chandravanshi "Length–Weight Relationship of Nine Elasmobranch Species Landed along the South Tamil Nadu Coast, India," Journal of Coastal Research 40(6), 1160-1165, (1 November 2024). https://doi.org/10.2112/JCOAST-RES-D-24-00030.1 | National | 6.00 |
| Chandravanshi, S., Jayakumar, N., Duraija, R., Aanand, S., Suresh, E., Sudhan, C., Kashyap, N. and Narsale, S.A | Feeding Aspects and Reproductive Biology of Smalltooth Emperor, <i>Lethrinus microdon</i> (Valenciennes, 1830) in the Gulf of Mannar along the Indian Southeast Coast. Indian Journal of Animal Research. 1- 10. DOI: 10.18805/IJAR.B-5381. | International | 6.50 |
| V.V. Lakshmi , N. Jayakumar, A. Uma, D. Manikandavelu, N. Durai Raja, P. Ruby, Hemamalini N. | Comparative study of Season- based Haematology of Mugil cephalus and sillago sihama from Ennore creek, Southeast Coast, India. Indian Journal of Animal research Vol. 58, issue 7 Pg. no. 1187-1195 | International | 6.50 |
| P. Philominal, A. Uma, B. Ahilan and N. Jayakumar. Porselvan.S, and Kaviarasu. D | Hematobiochemical Changes, Immunological Response and Immune Gene Expression in Nile Tilapia (<i>Oreochromis niloticus</i>) Experimentally Infected with <i>Shewanella putrefaciens</i> . Celebration of the sea: Annual Fisheries Observances | International | 6.50 |
| Rajeswari, C., Manikandavelu, D., Ahilan, B., Aruna, S., Muralidharan, N., Ruby, P., Joshna, M. | Growth and Biochemical Characteristics of Microalgae <i>Chlorella vulgaris</i> Grown on Various Combinations of Fish Waste Hydrolysate and Seaweed Hydrolysate. Indian Journal of Animal Research. 1-7. doi: 10.18805/IJAR.B-5438 | International | 6.70 |
| M.Nethaji, B.Ahilan, Kathirvel Pandiyan, | Evaluation of biofloc meal supplementation on growth and | International | 6.70 |

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|---|---|---------------|------|
| N.Felix, A.Uma.,and P.Ruby., | physiological responses of White leg shrimp, <i>Penaeus vannamei</i> in outdoor culture system in its current form for publication in the Pakistan Journal of Zoology - | | |
| Salkapuram Sandeep Kumar, S. Selvaraj, Cheryl Antony, S. Aruna, P. Ruby., | Effect of different levels of Spirogyra incorporated diet on Bio growth performance, Digestive enzyme activity and Haematology of <i>Etroplus suratensis</i> , Indian Journal of Animal Research. | International | 6.50 |

(iii) College of Fisheries Engineering, Nagapattinam

| Author | Title | National/International | NAAS Ratings |
|--|--|------------------------|----------------------------------|
| Moses, T.L.S.S., Ahilan, B.,Chidambaram, P., Felix, N. and Jayakumar, N. | Comparisonand Evaluation of the Performance of the Mineral Mix SupplementedDiet for Asian Seabass (<i>Latescalcarifer</i>) Culture in Fresh Water-based Recirculating Aquaculture System | International | 6.50 |
| KesavanDevarayan, Gangeswar Mohan, YazhiniyanPalanisamy, AnandTheivasigamani, EvonUmeshSiluvai John, MonikandonSukumaran, HemaAnjappan | Cellulose-Based Halochromic Sensor for Real-Time Surveillance of Spoilage of Packed Fish | International | Scopus indexed Cite score:3.2 |

(iv) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

| Title | National/International | NAAS Ratings |
|---|------------------------|--|
| Assessment of secondary microplastics trapped in the mangrove ecosystem of a highly populated tropical megacity, India. | International | Cite score: 4.8 Impact Factor: 5.5 Best ranking: ENVIRONMENTAL SCIENCES (Q1) |
| Histological Alterations in Two Estuarine Fishes, (<i>Mugil cephalus</i> and <i>Sillago</i> | National | NAAS: 6.50 |

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| <i>sihama</i>) from Ennore Creek, South East Coast, India | | |
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(v) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi

| Title | Journal Name, volume, page | NAAS rating/ Scopus index |
|---|--|------------------------------|
| Unraveling the Impact of Climate Change on Fish Physiology: A Focus on Temperature and Salinity Dynamic Deepak Agarwal, SeerappalliAranShanmuga, AyyathuraiKathirvelpandian, Suresh Eswaran, Mohd Ashraf Rather and GowrimanohariRakkannan | Journal of Applied Ichthyology Volume 2024, Article ID 5782274, 19 pages https://doi.org/10.1155/2024/5782274 | 6.90 |
| Exploring the mechanism and crosstalk between IL-6 and IL- 1 β on M2 macrophages under metabolic stress conditions Shawna Yadav, AnushaPrasannan, Venkatachalam K, AmbikaBinesh* 2025 Jan 6:186:156852. | Cytokine | 9.70 |
| Investigating the Therapeutic Potential of <i>Gracilariaedulis</i> Extract in Copper-Exposed Zebrafish Embryos: An Anti-Inflammatory Perspective AmbikaBinesh, Venkatachalam K, Saravanan R., 2025, 5(15), e22103155294834. | The Natural Products Journal | 6.80 |

(vi) Paraprofessional Institute of Aquaculture, Muttukadu

| Title | National/Internati onal | NAAS Ratings |
|---|-----------------------------|-----------------|
| Sathishkumar, G., Felix, N., AmitRanjan., Uma, A., Mir IshfaqNazir., Prabu, E. (2024). Impact of fishmeal replacement with poultry by-product meal and fish Protein hydrolysate: Effect on growth performance, nutrient utilization, whole-body composition, and growth gene (IGF-1) expression of striped murrel (<i>Channa striata</i>) | Pakistan Journal of Zoology | 6.5 |

| | | |
|--|-----------------------------|-----|
| Sathishkumar, G., Felix, N., AmitRanjan., Uma, A., Prabu, E. (2024). Physio-metabolic responses of striped murrel (<i>Channa striata</i>) fed on poultry by-product meal and fish protein hydrolysate. | Pakistan Journal of Zoology | 6.5 |
| Rajalakshmi, K., Felix, N., Ranjan, A., Arumugam, U., Nazir, M.I. and Sathishkumar, G., 2025. Effects of diets formulated with different combinations of novel feed ingredients on growth performance, apparent digestibility, digestive enzymes and gene expression activities of Pacific white shrimp, <i>Penaeus vannamei</i> . | Aquaculture International | 8.2 |
| Rajalakshmi K., Felix N., Ranjan A., Arumugam U., Sathishkumar G. (2025). Physiological, immunological and nutritional assessment of <i>Penaeus vannamei</i> fed with different combinations of novel feed ingredients | Annals of Animal Science | 7.8 |
| Prabu, E., Felix, N., Sivasankar, S., Thirumalai, A., Uma, A., Manikandan, K., Sathishkumar, G. and Thiruvassagam, T. (2024). Effects of dietary algae meal supplementation on growth, whole-body composition, histological and immune responses of Pacific white shrimp, <i>Penaeus vannamei</i> . | Annals of Animal Science | 7.8 |

Popular Articles

(i) Fisheries College & Research Institute, Thoothukudi

| Title | Author / Co-Author | Published/Submitted Date | Journal/ Magazine/ Newspaper/Vol. no., page no. | Remarks |
|---|--------------------|--------------------------|---|---------|
| Department of Aquatic Environment Management | | | | |
| Biological Engineering – The way to restore algal bloom affected water bodies | | | English (submitted) | |
| Algal Toxins: A Growing Threat to Aquatic Ecosystems and Human Health (K.K.Shrivasanthan, R.Arasi, R.J.Abisha, D.Manimekalai, V.Rani) | | | English (Published) | |
| Extreme Environment: The Fascinating World of Extremophiles (R.J.Abisha, , R.Arasi, K.K.Shrivasanthan, D.Manimekalai, V.Rani) | | | English (Published) | |
| Emerging Ecological Importance of Sponges on Coral Reefs” (Ponmani M, Padmavathy P. and Manimekalai D.) | | | English (Published) | |
| Make waves not waste: Keep our beaches clean (Ponmani M, Padmavathy P., Manimekalai D, Rani V. and Yamini A.) | | | Pamphlet prepared | |
| Waves of waste: The Silent Invasion (Yamini A., Padmavathy P, Manimekalai D., Rani V., Juliet Selvarani A and Ponmani M.) | | | Pamphlet prepared | |
| Sponges Powering Coral Reef Health through Biogeochemical Balance (Ponmani M., Padmavathy P. | | | English (Published) | |

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| and Manimekalai D.) | |
| Department of Fishing Technology and Fisheries Engineering | |
| Drone application in fisheries | English (Published) |
| Fishing ban period | English (Submitted) |
| Department of Fish Quality Assurance and Management | |
| Shalini, R., Arisekar, U., Sivaraman, B. and Sundhar, S. 2024. Arsenic in Seafood: Source, Speciation, Health Effects and Mitigation Measures. Agri Gate, 4(12): 417-422. | English |
| Arisekar, U. 2024. Formaldehyde In Fish and Shellfish: Formation and Toxicity. Sabujeema-An International Multidisciplinary e-Magazine. 4(11): 16-20. | English |
| Arisekar, U 2024. Lactic Acid Bacteria: Heavy Metal Remediation, Mechanism, Current Status and Future Prospects. Sabujeema-An International Multidisciplinary e-Magazine. 4(11): 21-25. | English |
| Sundhar, S., Anand, S., Shalini, R., Arisekar, U., Surya, T., Sivaraman, B. 2024. Harnessing Seaweeds: Natural Protectors Against Pesticide Pollution in Marine Environment and Pioneers in Mitigation Measures (Chapter 22).In Sudhan C, Sahil & Sanjay, (Volume 3). Fisheries Biology, Aquaculture and Post-Harvest Management, Volume: 1. Nipa® Genx Electronic Resources & Solutions Pvt. Ltd. New Delhi, p 595-607. ISBN: 978-93-58878-51-6 | National |

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| Title | English/Tamil |
|--|---------------|
| • J. Magimai John Jose, S. Selvaraj, P. Ruby, R. Jeya Shakila and N. Ramya, 2024. Jellyfish blooms: causes, consequences, and management strategies. Agri-India Today magazine 4(10): 108-111. | English |
| • Muhammad Zayen, S. Selvaraj, P. Ruby, and R. Jeya Shakila. Current status of hypophysation technique in West Bengal for sustainable seed production. Agri-India Today magazine 4(10): 57-60. | English |
| • A. Manisha, S. Selvaraj, Cheryl Antony, Vaishali Prakash, A.P., 2024. Hidden threats: how microplastics are disrupting fish reproduction. Agri-India Today magazine 4(10): 116-120. | English |
| • S. Selvaraj and R. Jeya Shakila, 2024. Current status and recent advances of LINPE technique of induced fish breeding in India. Submitted to AgriGate International Magazine on 22.10.24. | English |

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| <ul style="list-style-type: none"> • J. Magimai John Jose, S. Selvaraj, R. Jeya Shakila, 2024. Pulicat lakes aquatic ecosystem under seige: The Charru mussel invasion. Aqua International, December Issue, 56-58. | English |
| <ul style="list-style-type: none"> • P. Ruby, A. Jacquilin Wino, V.V. Lakshmi, A. Priyatharshini, S. Selvaraj, R. Jeya Shakila, 2024. Insect protein: Future of aquafeed. Vigyan Varta 5(12): 159-162. | English |
| <ul style="list-style-type: none"> • N. Ramya, P. Chidambaram, S. Selvaraj, L. Surulivel, P. Ruby, 2024. Profitable mudcrab fattening technology. TNJFU Meenvala Chudar, July-Septemebr Issue 3(3): 3-7 (Tamil article). | English |
| <ul style="list-style-type: none"> • P. Ruby, A. Priyadarshini, S. Selvaraj, R. Jeya Shakila, 2024. Carp varieties and farming methods of carps. TNJFU Meenvala Chudar, July-Septemebr Issue 3(3): 17-21 (Tamil article). | English |
| <ul style="list-style-type: none"> • P. Ruby, Joshna, S. Selvaraj, R. Jeya Shakila, 2024. Culture of loaches. TNJFU Meenvala Chudar, July-Septemebr Issue 3(3): 24-29 (Tamil article). | English |
| <ul style="list-style-type: none"> • S. Selvaraj, P. Ruby, A. Jackqulinwino, N. Ramya, R. Jeya Shakila, 2025. Concepts of natural breeding in finfish and its application for induced breeding in aquaculture. Agri-India Today Magazine (Submitted on 23.12.2024). | English |
| <ul style="list-style-type: none"> • Paramasivam Pugazhenth, Aatepogu Revathi, Chandran Sudhan, (2024). Climate Change and Global Fisheries: Economic Impacts, Technological Adaptation, and Future Resilience. AgriTech Today e-Magazine: Volume 2, Special Issue (December, 2024): 30-33. (https://agritechpublication.com Article ID: ATT202402-09-S-010) | English |
| <ul style="list-style-type: none"> • Jackqulin Wino, V. Ezhilarasi, Cheryl Antony, R. Jeya Shakila, P. Ruby, 2024. Pacu Farming in India: A Comprehensive Guide to Culturing the Amazonian Giant for Sustainable Aquaculture. Agri-India Today Magazine, Vol. 4 (10), 147-152. | English |
| <ul style="list-style-type: none"> • Jackqulin Wino, V. Ezhilarasi, S. Selvaraj, Cheryl Antony, R. Jeya Shakila, P. Ruby, 2024. Ensuring sustainability: The vital role of environmental audits in shrimp aquaculture. The Fish World a monthly magazine, 1(6): 249-261. | English |
| <ul style="list-style-type: none"> • Jackqulin Wino, 2024. Potential of Polychaete Worms in Sustainable Aquaculture. Agri Mirror Future India. Vol. 1 (7), 60-65. | English |
| <ul style="list-style-type: none"> • P.Ruby, A. Jackqulinwino and B.Ahilan 2024. Functional feed additives in aquaculture feeds, Agri-India TODAY Volume 04 Issue 11 17 November pp 67- 70 | English |
| <ul style="list-style-type: none"> • Priyatharshni Arivoli *, Cheryl Antony and P. Ruby.2024. Seaweed-based skincare products: what's behind the hype?, Agri-India TODAY Volume 04 Issue 11 28 November pp 112- 115 | English |

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| • Priyatharshni Arivoli *, Cheryl Antony and P. Ruby. 2024. The impact of seaweed harvesting on marine life and ecosystems, Agri-India TODAY Volume 04 Issue 11 31 November pp 126- 129 | English |
| • Lakshmi V. V, Ruby. P and Sona B. R. 2024. Marine otter: Distribution, Conservation and Threats, Agri-India TODAY Volume 04 Issue 11 24 November pp 95- 99 | English |
| • Paramasivam Pugazhenth, Aatepogu Revathi, Chandran Sudhan, (2024). Climate Change and Global Fisheries: Economic Impacts, Technological Adaptation, and Future Resilience. AgriTech Today e-Magazine: Volume 2, Special Issue (December, 2024): 30-33. (https://agritechpublication.com Article ID: ATT202402-09-S-010) | English |

(iii) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

| Title | English/Tamil |
|--|---------------|
| The Power of Next-Generation Probiotics in Fish Health | English |
| Biofloc – copefloc Technology: A synergistic Approach to sustainable Aquaculture | English |
| Wave makers: The vital role of women in Indian Fisheries | English |
| Role of CRISPR in developing disease-resistant fish species | English |
| Best management practices in shrimp farming | English |
| The Role of Phytobiotics in Aquatic Animal Health | English |

(iv) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi

| Title | English/Tamil |
|---|---------------|
| An Introduction to Multi-Omics Approaches in Sustainable Fisheries, Management and Conservation (Aqua Star) Abdullah M Hasbullah, Karthick K R, G Swaminathan and Deepak Agarwal | English |
| AI meets Multifludics (Biotech Express) Karthick K R, Abdullah M Hasbullah, G Swaminathan and Deepak Agarwal | English |
| Revolutionizing Aquaculture: The Power of Genomics in Shaping the Future of Fish Farming- E. Suresh, N. Kalaiselvi and N. Hemamalini-Fish Tech Digest 1(1), pp-37-41, December 2024 | English |

Technology output

(i) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| Title | |
|--------------------|--|
| Dr. Ezhilarasi, AP | Continues culture technique for Daphnia Mass culture technique for Daphnia is standardized in 1000ltr tank by optimizing the stocking and feeding rate. Further development of frozen Daphnia is in progress. |

(ii) Paraprofessional Institute of Aquaculture, Muttukadu

| Title | |
|-------|--|
| 1 | Standardization of technology for developing cost effective feed for the culture of Moina , an efficient livefood organisms. |
| 2 | Standardization of technology for the production of ornamental fish feed (1 mm). |

IV. Facilities Created (Write a few words on facilities created)

(i) Fisheries College & Research Institute, Thoothukudi

| | |
|----------------|---|
| Infrastructure | Nil |
| Classroom | Nil |
| Laboratory | Nil |
| Library | <p>During the quarter from October to December 2024, the library witnessed significant activities and improvements across various functions. A total of 138 books were issued to patrons, while 1,400 prints and photocopies were utilized during this period. The library also recorded 1,020 visits from staff and students, highlighting its active role in supporting the academic community. Efforts were made to update and maintain the KOHA library management system, where missing books were identified by downloading the existing data. A detailed list of missing and existing book numbers was prepared, and the metadata for missing books was updated in KOHA after compiling the information into an Excel sheet. Additionally, the Thesis and Competitive Exam Promotion Cell saw meticulous arrangements, including program-wise identification of theses, verification, and organization of Ph.D. and M.F.Sc. theses, and the arrangement and numbering of competitive books and project reports.</p> <p>The back volume section underwent a thorough verification process to ensure proper maintenance. To enhance user experience and library services, all sections within and around the library were monitored, and stockroom bookshelves were systematically arranged. Monthly publication alerts were prepared, and FCRI-authored articles were displayed prominently in the library to showcase the contributions of the institution's members. A Table of Contents circulation service was introduced via email, along with a monthly publication alert service highlighting FCRI-authored works. For Ph.D. scholars, ID cards were issued, and an orientation program was conducted to familiarize them with library resources and services.</p> <p>Maintenance and administrative improvements included resolving biometric system errors and creating a new library stationery register after verifying old and new items. Newspaper clippings for</p> |

| | |
|-------------------|---|
| | <p>December 2024 were collected and stored for future reference. Financial settlements for bills from October to December 2024 were completed promptly. The library also actively supported research activities by circulating webinar program details to Ph.D. scholars. Resources such as books, films, publications, and other materials were catalogued, ensuring their availability for reference and leisure reading. Library records were updated consistently, and patrons were educated on effectively using resources. Information resource sessions were conducted to enhance knowledge dissemination.</p> <p>Finally, library staff, technicians, assistants, and volunteers were trained and supervised to ensure smooth operations and excellent service delivery. These efforts reflect the library's commitment to fostering academic excellence and providing a resourceful and well-maintained environment for its patrons.</p> |
| Sports | Nil |
| Hostel | Nil |
| Revenue generated | Rs.1,59,951/- |

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| | |
|---|---|
| Infrastructure | <p><u>Furniture/Amenities purchase (Item, cost)</u></p> <ul style="list-style-type: none"> Tender called for side table (2) and Island table (4). Three companies were paid the tender fees and collected the tender schedule. Scrutiny committee was formed for tender opening and tender opening date is on 09.12.2024. |
| Classroom | Nil |
| Laboratory | Nil |
| Library | Nil |
| Sports | Nil |
| Hostel | <ul style="list-style-type: none"> Painting of the students hostel at a cost of Rs. 52,005 Electrical 2hp Motor Rs. 23,730 CCTV Camera Rs. 49,465 Hostel Cot Maintenance Rs. 16,720 |
| Revenue generated 1. Analytical Testing services | <p>DAQC</p> <ul style="list-style-type: none"> 6 numbers of water samples (Rs. 1,200) 2 numbers of vibrio samples (Rs. 200) An amount of Rs. 14,050/- was generated at PRFF centre, Pazhaverkadu through water quality analysis of fish and shrimp farm samples from in and around regions of Pazhaverkadu. <p>DAAHM</p> |

| | |
|------------------------|---|
| 2. Farm Sales | <ul style="list-style-type: none"> 9 numbers of water samples (Rs. 1,900) 2 numbers of vibrio samples (Rs. 200) |
| 3. PHRIC Product sales | DAQC <ul style="list-style-type: none"> 49 numbers of Ornamental Fishes sales (Rs. 785) 79 numbers of GIFT tilapia Fishes (live) sales (Rs. 640) An amount of Rs. 11,090 /- was obtained through the sale of farm fishes from ARFF centre, Madhavaram. |
| 4. Canteen Rent | DFPT Rs. 926/- Rs. 9,873/- |

(iii) College of Fisheries Engineering, Nagapattinam

| | |
|-------------------|---|
| Infrastructure | CCTV repair and maintenance work for EEE and CoFE administrative building |
| Classroom | - |
| Laboratory | - |
| Library | - |
| Sports | - |
| Hostel | - |
| Revenue generated | - |

(iv) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

| | |
|-------------------|--|
| Infrastructure | - |
| Classroom | - |
| Laboratory | - |
| Library | Renewal of Journal subscription - Inland Fisheries Society of India for Rs. 2500/- |
| Sports | - |
| Hostel | - |
| Revenue generated | Rs. 29,750 through sale of fishes, Practical manual, and training charges. |

(v) TNJFU-Fisheries Business School, Vaniyanchavadi

| | |
|---------|--|
| Library | Annual subscription of 15 international journals. Annual subscription of Aquaculture Spectrum and BW Businessworld magazines |
|---------|--|

(vi) Paraprofessional Institute of Aquaculture, Muttukadu

| | |
|-------------------|--|
| Infrastructure | RAS was given for lease based and utilized for industry research |
| Classroom | Provided with recent technologies |
| Laboratory | we have advanced equipments for the analysis of water, feed and molecular labs |
| Library | We have equipped library with computers |
| Sports | This institute has outdoor facilities such as Volleyball, throwball, cocoo and indoor facilities such as carom and chess |
| Hostel | No hostel facility is available. |
| Revenue generated | Rs. 21,560/- |

V. Students Interactions

(i) Fisheries College & Research Institute, Thoothukudi

| | |
|------------------------|--|
| Mentor Mentee Meet | Mentor Mentee Meet has been conducted weekly once to the I B.F.Sc students. During the period guided regarding to write popular articles and general issues |
| Physical Training Meet | Nil |
| Students Achievement | Nil |

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

| | |
|------------------------|--|
| Mentor Mentee Meet | All mentors conducted student interaction meeting for I, II & III year B.F.Sc. Students. |
| Physical Training Meet | No. of awareness programs conducted : 2 No. of guest lectures arranged : 2 |
| Students Achievement | Nil |

(iii) College of Fisheries Engineering, Nagapattinam

| | |
|------------------------|---|
| Mentor Mentee Meet | 3 |
| Physical Training Meet | - |
| Students Achievement | 1 |

(iv) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

| | |
|------------------------|---|
| Mentor Mentee Meet | Regularly being conducted by all the teaching staffs. |
| Physical Training Meet | - |
| Students Achievement | Mr. V. Sivasakthi, a 1 st Year B.F.Sc. student participated and secured Bronze medal in the Senior State Tennikoit Championship organized by the Tamil Nadu Roller Skating Association held at Coimbatore. |

(v) Paraprofessional Institute of Aquaculture, Muttukadu

| | |
|------------------------|---|
| Mentor Mentee Meet | Allotted mentor to every student for monitoring the academic activities and their personality development. |
| Physical Training Meet | Yoga class was organized weekly once |
| Students Achievement | Ms. M. Susithra, B.Voc(IA) student won 3 rd prize (Rs.25,000/- Cash Award) for Constitution day state level essay competition organized by Raj Bhavan, Chennai |

Section D: Plans of the Institute for the next quarter

Write a few points regarding the plan of action to be initiated towards the quality enhancement for the next quarter.

(i) Fisheries College & Research Institute, Thoothukudi

- UG - 4 courses will be taught from DFBRM
- PG - 4 courses will be taught from DFBRM
- PhD- 5 courses will be taught from DFBRM
- Research guidance will be provided to three PG students and two Ph.D students
- Regular Project work will be carried out
- Three research papers will be communicated
- Two research papers will be published
- Three Tamil popular articles will be published
- One awareness program will be conducted
- Two radio talks will be recorded
- 6 UG, 6 PG and 9 Ph.D. courses will be handled.
- One training programme will be conducted.
- 2 research articles will be published
- Mentor-mentee meeting will be conducted
- 6 UG and 6 PG courses will be handled
- Offering courses to UG, PG and PhD
- Continuing the PG and PhD research guidance.

(ii) Dr. M.G.R. Fisheries College & Research Institute, Ponneri

- Preparation of Standard Operating Procedures (SOP)
- Research project on "value addition of invasive charru mussel from ennore creek as biofertilizer and mineral mix" will be submitted to the Tamil Nadi State Wetland Authority, Chennai for funding.
- Workshop conducted in the Department of Environment and Climate change
- Exhibition will be conducted on the theme 'Climate change'

- One training program (11 days) will be attended on Study tour/Hands on training on diversified Aquaculture in MPEDA – RGCA facilities from 15.02.2025 – 25.02.2025
- One awareness lecture will be organized on the career opportunities in civil services UPSC / TNPSC to the students
- One exposure lecture will be conducted on the challenges and opportunities of facing Interview to the B.F.Sc, M.F.Sc and Ph.D graduates in a hybrid mode.
- National Science day 2025 will be celebrated by conducting various competition of the students community on 28.02.2025 at Seminar hall

(iii) College of Fisheries Engineering, Nagapattinam

- To initiate NAAC & NBA accreditation process for B.Tech.(FE)
 - To initiate AICTE accreditation process for B.Tech.(EEE)
 - Implementation of class committee Meeting
 - Documentation of activities by Students Counsellors
 - Revision the syllabus of B.Tech.(FE) and B.Tech.(EEE) syllabus
 - Formation of CoFE Alumni Association
 - Organization of CoFE Alumni Association meeting
 - Website updation

(iv) Dr. M.G.R. Fisheries College & Research Institute, Thalainayeru

| | |
|----|--|
| 1. | <p>Education Quality Assurance Committee (EQAC)</p> <ul style="list-style-type: none"> • SPSS Software Training: Training sessions on SPSS will be conducted for 3rd and 4th Year students. • Class Committee Meetings: Meetings will be held for III and V semester students to discuss academic matters. • Feedback Collection and Analysis: Pre-midterm and post-midterm feedback from III & V semesters and I & VI semesters, respectively, will be collected and analyzed. • Parent-Teacher Meetings: Meetings will be organized for I & II-year students to discuss student's performance. • ICAR Mock Exams: Mock exams will be conducted twice a week for the 2021- 22 batch. |
| 2. | <p>Training Quality Assurance Committee (TQAC)</p> <ul style="list-style-type: none"> • Preparation of Training calendar for the year 2025 • To organise 10 training programmes for Women of SHG's of Umbalachery Village of Nagapattinam district under UBA funded project entitled "Women Empowerment through the Development and Commercialization of Fish kure". |
| 3. | <p>Research & Development Committee (R & D)</p> <ul style="list-style-type: none"> • The faculties will be encouraged and assisted to submit project proposals upon call from funding agencies. • Interdepartmental projects will be initiated based on previously identified key areas and in collaboration with relevant industries. • A lecture will be organized to inspire students to undertake innovative projects and explore opportunities through Startup TN. |
| 4. | <p>Administrative Quality Assurance Committee (AQAC)</p> <ul style="list-style-type: none"> • The computer skills training program will be organized for the administrative staff |

| | |
|----|---|
| | of our institute. |
| 5. | <p>Sports and Co-curricular Development Committee (SCDC)</p> <ul style="list-style-type: none"> Psychological counseling sessions for first year B. F. Sc students will be organized. The girls volleyball court will be improved with new fencing Students will be encouraged to participate in the intercollegiate sports event at Thoothukudi. |
| 6. | <p>Placement and Business Promotion Committee (PBPC)</p> <ul style="list-style-type: none"> To conduct an online talk on "Career Counseling" during second week of February 2025, by Mr. Abraham Rajesh from Geebee Education, Chennai. To conduct a student motivation program on "How to Crack Civil Service Examinations?" during third week of March 2025, by Ms. Valli, IFS, as the speaker. |

- (v) Institute of Fisheries Postgraduate Studies, Vaniyanchavadi
- Continuing the Assessment of feedback responses from students
 - Exercise on publication drive
 - Encouraging students to take up a small research projects in their disciplines while doing course work.
 - Encouraging students to come out with novel ideas / Technology to develop their entrepreneurship skill and incubation.
 - Motivation of students to participate and present topics in journal club.
 - Appreciation of the students by rewarding for their academic performance.
- (vi) TNJFU-Fisheries Business School, Vaniyanchavadi
- Planning to submit proposal to include MBA (FEM) in the TANCET conducted by Anna University.
 - Popularising the BBA program in Higher Secondary Schools located at Chengalpattu, Kanchipuram and Chennai Districts. Also, MBA program will be popularized to the students from colleges of Arts and Science, Engineering. B.F.sc., B.Tech. and B.Voc. student of TNJFU will be addressed personally to improve the MBA admissions.
 - Encouraging students and teachers for publishing research and review articles in Scopus and Web of Science Journals in fisheries and allied sector.
- (vii) Paraprofessional Institute of Aquaculture, Muttukadu
- National science day (28 Feb, 2025), World wetland day (2 Feb, 2025), World forest day (21 Mar, 2025) and World water day (22 Mar, 2025) will be celebrated
 - Guest lectures will be arranged for B.Voc students.
 - Gardening at DIVA Campus will be done
 - Guest talk by Nutrition and health experts will be organized
 - New collaboration with Aqua Feed Industries will be initiated.
 - Volleyball and throw ball court will be upgraded
 - Technology Release 2025 will be organized
 - CMR feed produced with TNJFU technology will be launched

(viii) Paraprofessional Institute of Fishing Technology, Ramanathapuram

| S.No. | Plan of Action |
|-------|---|
| 1. | To encourage students to participate in the National/International workshop |
| 2. | To conduct FICSI Level 4, 5, 6 and 7 exams for the students of B.Voc. III year (2022-23 batch) |
| 3. | To carry out regular field visits to the students of B.Voc. I, II and III year |
| 4. | To purchase Fish quality lab testing equipment and accessories and Value added Fish production equipment and accessories. |

Sd-/-----
Dr. P. Padmavathy
Director / Coordinator, IQAC i/c.
TNJFU, Nagapattinam