| | Aquaculture Horizons 2025 |
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| | International Conference and Exhibtion on Aquaculture , Polytechnic University of Setubal, Portugal |
| | DAY – 1, 28 April 2025 |
| 08:00-09:00 | Official Opening |
| | ROOM-A |
| 09:00 - 09:25 | Keynote |
| | Title: Innovations in Sustainable Aquaculture: Strategies for Global Impact |
| | Sulaiman Olan Oladokun, Alfred Wegener Institute (AWI), Germany |
| 09:25-09:30 | Crustacean and Shellfish Innovation Session- Chair Greg Smith, University of Tasmania, Australia |
| 09:30-09:50 | Title: Larval culture of the tropical spiny lobster Panulirus homarus; a new candidate species for |
| 00.00 | aquaculture in Oman |
| | Mohamed Al Wahaibi, Center for Excellence in Marine Biotechnology, Sultanate of Oman |
| 09:50-10:10 | Title: Palinurus elephas culture – fishery restoration and farming? |
| 03.30 10.10 | David J Fletcher, RAS Aquaculture Research Ltd, UK |
| 10:10-10:30 | Title: Molecular Insights into the Life History of the Ornate Lobster (Panulirus ornatus): A Breakthrough |
| 10.10-10.50 | in Decapod Research |
| | Tomer Ventura, University of the Sunshine Coast, Australia |
| 10:30-10:50 | Title: The Benefits and Pitfalls of Ozone Use in Marine Hatchery Systems |
| | Greg Smith, University of Tasmania, Australia |
| 10:50 - 11:20 | Refreshment Break |
| 11:20-11:40 | Title: Microbial flocculation: Exploring the avenuein green and smart aquafarming |
| | Babitha Rani. A. M, ICAR-Central Institute of Fisheries Education, India |
| 11:40-12:00 | Title: Trade-off between fisheries utilization and environmental protection in lakes of China |
| | Jiashou Liu, Institute of Hydrobilology, China |
| | Title: Into the Wild: A New Approach to the Aquaculture Production of Brown Trout (Salmo trutta L.) to |
| 12:00-12:20 | Promote Restocking Success |
| | Carlos M. Alexandre, Universidade de Evora, Portugal |
| 12:20-12:40 | Title: Bridging Conservation and Fisheries: Restorative Aquaculture in Tasmania |
| | Andrew Trotter, University of Tasmania, Australia |
| 12:40-13:00 | Title: Advances in the management of cannibalism in the Ornate Rock Lobster Panulirus ornatus |
| | Quinn Fitzgibbon, University of Tasmania, Australia |
| | Title: Variation in Reproductive Traits of the Mud Crab (Scylla olivacea) Across the Indo-Pacific: |
| 13:00-13:20 | Implications for Aquaculture and Sustainable Fisheries Management |
| | Sukree Hajisamae, Prince of Songkla University, Thailand |
| 13:20 - 14:10 | Lunch Break |
| 14:10-14:30 | Title: Environmental effect on oyster growth in the Sado Estuary (Portugal) |
| | Dina Galhanas, Escola Superior de Tecnologia de Setubal, Portugal |
| | Title: Conserving the European Black Lobster (Homarus gammarus) through Breeding, Research, and |
| 14:30-14:50 | Community Engagement at the North Sea Oceanarium, Denmark |
| | Martin Riis, Nordsøen Oceanarium, Denmark |
| | Title: European Lobster Homarus gammarus aquaculture: Technical developments, opportunities and |
| 14:50-15:10 | requirements |
| | Adam Powell, Institute of Aquaculture, University of Stirling, UK |
| | Title: Effect of Artemia prey size, type of prey and V-UV irradiation on survival and growth performance |
| 15:10-15:30 | of European lobster larvae |
| | Ivar Lund, Danish Technical University (DTU), Denmark |
| 15:30 - 16:00 | Refreshment Break |
| | Title: Shape your body: early-life environment shapes claw bilateral asymmetry in the European lobster |
| 16:00-16:20 | (Homarus gammarus) |
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| | Gioia Burini, University of Tuscia, Italy |
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| 16:20-16:40 | Title: Does genetic bottlenecking undermine European lobster hatchery stocking? |
| | Charlie Ellis, University of Exeter, UK Title Toward extinsical stunning protocols of Pacific whiteless shripp. Penagus yangmai during |
| 16:40-17:00 | Title: Toward optimised stunning protocols of Pacific whiteleg shrimp, Penaeus vanamei, during commercial harvesting |
| 10.40-17.00 | Adam Powell, Institute of Aquaculture, University of Stirling, UK |
| 17:00-17:20 | Title: Role of DNA Barcoding in governance and Risk management |
| | Asma Karim, Graduate College of Science, Pakistan |
| | Title: A Hybrid Approach to Global Governance for Aquaculture: Integrating Hierarchical, Market- |
| 17:20-17:40 | Driven, and Participatory Models |
| | Hamid Reza Mojtabavi, Sustainable Aquatic Development Institute (SADI), Saudi Arabia |
| | Aquaculture Horizons 2025 DAY – 2, 29 April, 2025 |
| | Technical Tour |
| | Exporsado, Aquanostra and Aquanostra-Bivalve |
| | ROOM-A |
| 0830 - 0855 | Keynote |
| | Title: Healthy Fish for Healthy People: Global Veterinary Efforts to Support Responsible Growth of Aquaculture |
| | Dusan Palic, Ludwig-Maximilians-University Munich, Germany |
| 08:55 - 09:00 | Al in Aquacultutre |
| 09:00 - 09:20 | Title: Revolutionizing Aquaculture Health Monitoring with Al-Powered Diagnostics |
| 00 00 00 40 | Ihor Feoktistov, Leven Vision B.V, Netherland |
| 09:20 -09:40 | Title: Parasites And Health Condition Of Marine Resources In A Framework Of Global Change: Cases Of Study In The Catalan Coast (Nw Mediterranean) |
| | Carmen Gilardoni, Instituto de Ciencias del Mar, Italy |
| 09:40 - 10:10 | Title: Sudden Unusual Mortality Syndrome (SUMS) in eastern oyster aquaculture across the |
| 03.10 10.10 | southeastern United States |
| | Tal Ben Horin, NC State Unviersity, USA |
| 10:10 -10:30 | Title: Vertical FISH Project – Impact of Anisakis spp. infection levels on the European Hake (Merluccius |
| | merluccius) fillet quality |
| 40.20.40.50 | S. Gomes, Universidade do Porto, Portugal |
| 10:30 -10:50 | Title: Development of oral vaccines for aquaculture using spore-surface-display technology Claudia R. Serra, CIIMAR, Portugal |
| 10:50 - 11:10 | Refreshment Break |
| 11:10-11:30 | Title: The feasibility of agricultural wastes on optimizing water quality and natural bait by regulating |
| | microbial loop |
| | Chunlei Song, Institute of Hydrobiology, China |
| 11:30-11:50 | Title: Improving Marine FinFish Seedstock Production |
| | Marty Riche, Florida Atlantic University, USA |
| 11:50-12:10 | Title: Fostering collaboration in the Blue Economy Cristina Baciero Fernandez, OCNARK |
| 12:10-12:30 | Title: Introducing CADMUS to HACCP |
| 12.10 12.50 | Roy D. Palmer, Association of International Seafood Professionals, Australia |
| 12:30 - 13:15 | Lunch Break |
| 13:15 - 15:15 | Panel: Aquatic Animal Welfare Forum |
| | New Frontiers in Animal Welfare: Emerging Tools and Techniques |
| | Andreia Rodriguez; Dusan Palic, Francesc Padros Bover & Billo Heinzpeter Studer |
| | Title: Fish welfare: ensure well-being or reduce suffering? |
| | Billo Heinzpeter Studer, think.fish, Italy |

| 15:15 - 15:45 | Refreshment Break |
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| 15:45 -16:05 | Title: Effects Of Replacing Fish Oil And Fishmeal With Microbial Diets On Salmon Growth, Lipid |
| | Composition And Gene Expression |
| | Christopher C. Parrish, Memorial University, Canada |
| | ROOM-B |
| 15:45 - 18:30 | Workshop _ Crustacean & Shellfish Research Underpinning Aquaculture and Fisheries Enhancement |
| | Chair Greg Smith, University of Tasmania, Australia |
| | ROOM-A |
| 16:05 - 16:25 | Title: Protein Alternatives from Circular Bioeconomy for Aquafeeds |
| 10.00 10.20 | Luisa M.P.Valente, CIIMAR, Portugal |
| 16:25 -16:45 | Title: Physicochemical properties: the unknown side of feed material quality |
| 10.25 10.45 | Min Xue, National Aquafeed Safety Assessment Center, Institute of Feed Research, Chinese |
| 16:45 - 17:05 | Title: Discovering the Antioxidant Potential of Halophyte Plants |
| | Ines Joao Ferreira, Polytechnic University of Setubal, Portugal |
| | Title: Assessment of fatty acid metabolism in European lobster (Homarus gammarus) larvae and |
| 17:05 - 17:25 | postlarvae: a pathway to optimized larval nutrition |
| | Renata Goncalves, Collaborative Laboratory, Association for a Sustainable and Smart Aquaculture, |
| | Portugal |
| | Title: Formulation of Sustainable Fish Feed for Aquaponics: Utilizing Poultry Droppings to Enhance |
| 17:25 - 17:45 | Nutritional Efficiency and Environmental Sustainability |
| | Gourav Dhar Bhowmick, Indian Institute of Technology Kharagpur, India |
| | Title: Vermi-Tea Production from Fish Waste in Vermicomposting Reactor for Enhanced Nutrient |
| 17:45 -18:05 | Recovery in Aquaponics System |
| | Ahmad Faisal, Indian Institute of Technology Kharagpur, India |
| | Title: Economic Challenges and Livelihood Resilience in the Baltic Fisheries Sector: The Impact of Feed |
| 18:05 -18:25 | and Aquaculture Market Shifts |
| | Michael Rosciszewski-Dodgson, University of Gdansk, Department of Economics, Poland |
| 18:30-20:30 | Student Poster Session & Cocktails |
| | Aquaculture Horizons 2025 |
| | DAY – 3, 30 April, 2025 |
| 09:00 - 10:15 | Al Panel Session |
| | Paul Robert van der Heijden, MatureDevelopment BV, Netherland |
| | Al Governance |
| | Hans Petter Dalen, IBM, Denmark |
| 10:15 - 10:40 | Refreshment Break |
| 10:40-11:20 | Title: Al applications for genomics and phenomics in aquaculture breeding programs |
| | Baltasar Fernandes Garcia, Sao Paulo State University (UNESP), Brazil |
| 11:20 - 11:40 | Title: European Lobster farm scale up powered by artificial intelligence. |
| | Asbjorn Drengstig, Norwegian Lobster Farm, Stavanger, Norway |
| 11:40 -12:00 | Title: The science behind artificial intelligence powered European Lobster production. |
| | Carly Daniels, Norwegian Lobster Farm, Stavanger, Norway |
| 12:00 -12:20 | Title: A novel AI system to automatically measure shrimp for selective breeding in aquaculture. |
| | Adrian Penate-Sanchez, Universidad de Las Palmas de Gran Canaria, Spain |
| 12:20 -12:40 | Title: A computer vision method to estimate ventilation rate of Atlantic salmon in sea fish farms |
| | Lukas Folkman, Griffith University, Australia |
| | Lorente Donale |
| 12:40 - 13:30 | Lunch Break |
| 12:40 - 13:30 13:30 - 13:50 | Title: Using computer vision to assess the gill health of farmed Atlantic salmon (Salmo salar) |
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| | Ana Antunes, Polytechnic University of Setubal, Portugal |
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| 14:10 -14:30 | Title: Advancing the Watershed Fragility Index (WFI) for Planning and Designing Sustainable |
| | Aquaculture Using AI and Machine Learning |
| | Michael van Zyll de Jong, University of New Brunswick, Canada |
| 14:30 - 14:50 | Title: Incorporating image analysis, machine learning, and automation into aquaculture research |
| | Dean Giosio, University of Tasmania, Australia |
| 14:50 - 15:10 | Title: How Do We Quantify Shell Quality in Oyster Aquaculture? |
| | Ernest Chuku, Unviersity of Tasmania, Australia |
| 15:10-16:10 | Al Workshop |
| | Paul Robert van der Heijden and Hans Petter Dalen |
| 16:10:16:35 | Coffee & Student Presentations |
| 16:35-17:00 | Closing Session |
| | IPS/Andreia Rodrigues/Paul van der Heijden/Greg Smith/ Roy Palmer |
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