

MedAID Watch letter

Summer 2022



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MedAID Watch Letter features science and technology news and insight to help make critical decisions for the sustainability and growth of the Mediterranean aquaculture.

Prepared by the Strategic Department of IRTA



Events

- » **Events September 2022: 34th European Congress of Pathology!** (September 3-7, Basel, Switzerland) - [[European Society of Pathology](#)]
- » **Events September 2022: ISAAH 2022: 9th International Symposium on Aquatic Animal Health** (September 4-8, Santiago, Chile) - [[Fisheries.org](#)]
- » **Events September 2022: Aquaculture Europe 2022** (September, 27-30, Italy) - [[Aquaseas.org](#)]
- » **Events October 2022: Mucosal Health in Aquaculture 2022 (MHA2022)**, (October 3-6, Madrid, Spain) - [[MHA2022](#)]
- » **Events October 2022: European Percid Fish Culture Workshop. EPFC Workshop, 2022** (October 10-14, Belgium) - [[European Aquaculture Society](#)]
- » **Events October 2022: FEEDNETICS Training Course. Software for fish farmers, aquafeed producers and aquaculture researchers.** (October 12-13, Portugal) - [[AqualMPACT, Sparos I&D nutrition in aquaculture](#)]
- » **Events November 2022: XVIII Congreso Nacional de Acuicultura** (November 21-24, Cadiz, Spain) - [[SEA \(Spanish Society of Aquaculture\)](#)]
- » **Events December 2022: AlgaEurope 2022: Conferences about Science, Technology and business in the Algae Biomass Sector** (December 13-14, Rome, Italy) - [[Algaeurope.org](#)]
- » **Events February 2023: ICFP 2023: 17. International Conference on Fish Pathology** (February 16-17, Barcelona, Spain) - [[ICFP 2023](#)]

» *Events May 2023: ICFAS 2023: 17. International Conference on Fisheries and Aquaculture Sciences (May 11-12, Berlin, Germany) - [\[ICFAS\]](#)*

» *Events May 2023: “3rd Edition of World Aquaculture and Fisheries Conference” (WAC 2023). Hybrid Event. (May 24-25, Tokyo, Japan) - [\[World Aquaculture Conference\]](#)*

» *Events June 2023: ICBGFA 2023: 17. International Conference on Biotechnology and Genetics in Fisheries and Aquaculture (June 15-16, Montreal, Canada) - [\[ICBGFA 2023\]](#)*

Highlights

October 2022

» *Instruments to implement sustainable aquaculture in the European Union - [\[Marine Policy\]](#)*

July 2022

» *Recommendation on Aquaculture Definition - [\[The Aquaculture Advisory Council \(AAC\)\]](#)*

» *XXI International Iberian Marine Chemistry. Preliminary Abstracts (Las Palmas de Gran Canaria, Spain, July 06-08) - [\[SIQUIMAR\]](#)*

» *Regional review on status and trends in aquaculture development in Europe – 2020. FAO Fisheries and Aquaculture, 2022. Circular No. 1232/1 - [\[FAO\]](#)*

June 2022

» *Current Research in Agriculture, Forestry and Aquaculture (Turkey). ISBN: 978-625-430-204-6 - [\[Gece Kitapligi\]](#)*

May 2022

» *Current EUFOMA Report on Organic Aquaculture in the EU: CURRENT situation, drivers, barriers, potential for growth - [\[EUFOMA\]](#)*

April 2022

» *A new strategic vision for sustainable aquaculture production and consumption in the European Union - [\[European Commission\]](#)*

» *Federation of European Aquaculture Producers Best practices in the shellfish/fish farming industry. [Presentation at the EATiP/OBPS Best Practices in Aquaculture Workshop, 05 April 2022 (Online)] - [\[FEAP\]](#)*

Zootecnics

15/09/2022

» Harbours as unique environmental sites of multiple anthropogenic stressors on fish hormonal systems - [[Molecular and Cellular Endocrinology](#)]

August 2022

» Effects of dietary marine sulphated polysaccharides (Algimun®) on growth performance, immune responses and disease resistance of juvenile gilthead seabream (*Sparus aurata*) to *Photobacterium damsela* subsp. *piscicida* - [[Fish & Shellfish Immunology](#)]

06/08/2022

» Effects of Dietary Supplementation with *Bacillus amyloliquefaciens* US573 on Intestinal Morphology and Gut Microbiota of European Sea Bass - [[Probiotics and Antimicrobial Proteins](#)]

02/08/2022

» A social scientific self-reflection of co-developing an acoustic stock sampling method in the Bay of Biscay - [[ICES Journal of Marine Science](#)]

30/07/2022

» Behavioural changes in farmed sea bass (*Dicentrarchus labrax*) experimentally infected by *Anisakis* nematodes - [[Rendiconti Lincei. Scienze Fisiche e Naturali](#)]

29/07/2022

» Histological and immunohistochemical study of gilthead seabream tongue from the early stage of development: TRPV4 potential roles - [[Annals of Anatomy](#)]

Health

01/09/2022

» Physiological responses to heat stress in the liver of rainbow trout (*Oncorhynchus mykiss*) revealed by UPLC-QTOF-MS metabolomics and biochemical assays - [[Ecotoxicology and Environmental Safety](#)]

July 2022

» β -glucan as a promising food additive and immunostimulant in aquaculture industry - [[Annals of Animal Science](#)]

23/07/2022

» Bacterial Fish Diseases and Treatment - [[Fish Diseases and Treatment](#)]

15/07/2022

» β -Glucan: Mode of Action and Its Uses in Fish Immunomodulation - [[Front. Mar. Sci.](#)]

29/06/2022

» Toward a decade of ocean science for sustainable development through acoustic animal tracking - [[Global Change Biology](#)]

Environment

September 2022

» *Intensive marine finfish aquaculture impacts community structure and metal bioaccumulation in meso-zooplankton - [\[Marine Pollution Bulletin\]](#)*

03/08/2022

» *Present and future: the effects and possible solutions of microplastics in the marine/aquatic environment Aquaculture - [\[Research Square\]](#)*

29/07/2022

» *Why not? Decrypting social attitudes towards European aquaculture: An updated policy perspective for an old problem - [\[Integrated Environment Assessment and Management\]](#)*

Government & Economics

August 2022

» *Top-level institutional policies and their implementation at regional level – A difficult equation. The example of the social acceptability of aquaculture development in Malaga, Spain - [\[Aquaculture Reports\]](#)*

19/07/2022

» *Fishers, Let Us Talk: Validating Métiers in a Multi-Gear Coastal Fishing Fleet - [\[Fishes\]](#)*

18/07/2022

» *Council approves conclusions on the EU's new aquaculture strategic guidelines for a more sustainable, resilient and competitive aquaculture sector - [\[European Council\]](#)*

24/06/2022

» *A cross-sectional study in Mediterranean European countries to support stakeholders in addressing future market demands: Consumption of farmed fish products - [\[Aquaculture Reports\]](#)*

16/06/2022

» *Expected contraction in the distribution ranges of demersal fish of high economic value in the Mediterranean and European Seas - [\[Nature\]](#)*

17/05/2022

» *Fishery and aquaculture products in the EU: an analysis of consumers' preferences, producers' risk management and stakeholders' labelling preferences - [\[Doctoral Thesis\]](#)*

Technology

04/08/2022

» *System and Method for Protecting Fish from Parasite Infection - [Disinfection System – Patent WO2022161876A1]*

03/08/2022

» *Integrated multitrophic aquaculture (IMTA) as an environmentally friendly system for sustainable aquaculture: functionality, species, and application of biofloc technology (BFT) - [Environmental Science and Pollution Research]*

12/07/2022

» *The role of digital technologies in supporting and improving fishery and aquaculture across the supply chain – Quo Vadis? - [Aquaculture and Fisheries]*

30/06/2022

» *Moving Farmed Aquatic Animals - [Fish Farming – Patent WO2022139590A1]*

30/06/2022

» *Systems and Methods for Handling Farmed Aquatic Animals - [Fish Farming – Patent WO2022139591A1]*

30/06/2022

» *Optical Technique for Analyzing Insects, Shrimp and Fish - [Organisms Detection & Computer Imaging – Patent WO2022137243A1]*

29/06/2022

» *Compositions for Inoculating Aquatic Animals - [Fish Culture & Health – Patent EP4017259A1]*

23/06/2022

» *A System for Monitoring of Dead Fish - [Aquaculture Monitoring Systems – Patent WO2022129362A1]*

23/06/2022

» *Aquaculture Feed (premix comprising high amounts of EPA and DHA) - [Aquaculture Feed – Patent WO2022129592A1]*

09/06/2022

» *A Feed Additive for Increasing Omega-3/Omega-6 Polyunsaturated Fatty Acids Ratio in Aquatic Animals - [Feed Additive – Patent WO2022117810A1]*

09/06/2022

» *Pipetting Robot for Determining at Least One Water Property - [Water Measurement & Robotics – Patent WO2022115895A1]*

09/06/2022

» *Aquaculture Monitoring Device - [Aquaculture Monitoring & Wireless – Patent WO2022119461A1]*

02/06/2022

» *Escape Detection and Mitigation for Aquaculture - [Mitigation Actions & Computer Imaging – Patent WO2022115142A1]*

02/06/2022

» *Smart Aquaculture Growth and Health Monitoring System - [Aquaculture Monitoring Systems – Patent WO2022112821A1]*

01/06/2022

» *Sensor Positioning System for an Aquaculture System - [Fish Farming & Underwater Sensor System – Patent EP4005376A1]*

01/06/2022

» *Method for Degassing Water and Gas Balancing Filter - [Fish Farming & Water degassing – Patent EP4005376A1]*

01/06/2022

» *Complete Food for Aquaculture Animals Formed from Insect Larvae - [Aquaculture Feed – Patent EP4003053A1]*

18/05/2022

» *Dynamics of Water and Biofilm Bacterial Community Composition in a Mediterranean Recirculation Aquaculture System - [Aquaculture Journal]*

Before printing this Newsletter, please think carefully it is necessary to do

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