

Curriculum Vitae

John (Ioannis) A. Theodorou PhD, MSc, BSc

Associate Professor

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Education

- 2015 **PhD in Applied Biological Sciences**, Dept. of Animal Science (Aquaculture Lab./Artemia Reference Centre-ARC) & Dept. of Agricultural Economics, Faculty of Bioscience Engineering, Ghent University, Belgium (Thesis Title: **Risk Analysis of the Mediterranean Mussel Farming in Greece**, Supervisors: Prof. Patrick Sorgeloos (Aquaculture) & Prof. Jacques Viaene (Economics)).
- 1995 **Certificate in Fisheries Product Quality Management & Marketing**, Hull International Fisheries Institute (HIFI) Hull University, UK.
- 1990 **M.Sc. in Shellfish Biology and Culture**, School of Ocean Sciences, Menai Bridge, University College of North Wales at Bangor, University of Wales, U.K. (Thesis Title: **Nutritional Studies on the Rotifer *Brachionus plicatilis***, Supervisor: Prof. David A. Jones)
- 1989 **B.Sc. in Biology**, School of Natural Sciences, University of Patras, Greece

Professional Training

- 6-7/06/2016 **Social Simulation of Fisheries & Coastal Management**. Centre for Policy Modelling, Manchester Metropolitan University Business School, UK (Workshop Meeting).
- 15-26/9/08 **Animal Agriculture & Food Safety Risk Analysis**, Vose Consulting US LLC, Gent, Belgium (Seminar).
- Sept-1996 **Quality Scheme & ISO Standards in Salmon**

- 1995 **Industry**, Ireland. (Aqua TT-EU Leonardo – Technical Working Skills Development).
- 1995 **Business Process Reengineering**, Univ. of California, Berkeley, University Extension Program (Seminar).

Professional Experience

- 3/2023- **University of Patras**, Dept. Of Fisheries & Aquaculture, Associate Professor.
- 5/2019-2/2023 **University of Patras**, Dept. Of Animal Production, Fisheries & Aquaculture, Assistant Professor.
- 2013-5/2019 **TEI** (Technological Education Institute) of W. Greece, Dept. of Fisheries & Aquaculture Technology. Lecturer/Assistant Professor
- 2001-2013 **TEI** (Technological Education Institute) of Epirus, Greece, Lecturer in Purification Technology and Marketing of Shellfish Products.
- 1993-2002 **Free Lance Project Manager** in a range of Organisations:
- 2000 **ZERVAS KYRIAZIS SA**, (seafood packing/processing plant), Greece. Technical design of recirculated systems of the Purification, Expedition Centre in Atalanti. In collaboration with Inter-Aqua SA.
- 2000 **GALAXIDI MARINE FARMS SA**, (seabass/bream farming), Greece. ISO & HACCP system development in collaboration with APC Ltd.
- 2000 **GRYPIOTIS SA**, (seabass/bream farming), Greece. HACCP system development in collaboration with APC Ltd
- 1999 **FRUTTI DI MARE SA**, (shellfish farming & seafood trading), Greece. Feasibility study for 110 tons mussel/oyster farm.
- 1997-2002 **AQUA-CONSULTING LTD** (shellfish farming & consulting services), Greece. Managing Director of 165 tons production capacity mussel farm. The company also, provided technical services to other farms, such as feasibility studies, and quality control applications (HACCP & ISO).
- 1996-1999 **AQUATT UETP Ltd**, (Aquaculture Technology Transfer & Training Organisation), Ireland. Member of the Board

- of Directors & National Representative in Greece (elected) (www.AquaTT.ie).
- 1995-2002 **FEDERATION OF GREEK MARICULTURES (FGM)**, Industry Board, Greece. Scientific Advisor on the following subjects:
I) Quality Scheme Development & Exports Promotion of Seabass and Seabream II) R & D, University - Industry Relations. III) Data Collection to Support FGM Decision Making & FGM European Policy.
- 1995 **OYSTER SA** (Mussel/oyster farm), Greece. Feasibility Study (100tn).
- 1994-2006 **SEAFOOD INTERNATIONAL** (Emap Bus. Com., London), Consultant.
- 1994-1995 **MARKETING REPORT** Magazine (Greece). Editorial Team Member.
- 1994-1995 **TEI** (Tech. Educ. Institute) of Messolonghi, (Greece), External Lecturer.
- Oct'94- Jan'95 **FGM** Project- Survey: Inventory of the Greek Mariculture Industry.
- Jun-Aug'94 **THEOCHAROPOULOS BROS. SA.** (fish farm). Eels Market Survey (Gr)
- Mar-May'94 **TOP FABRIC LTD**, (Net Manufacturing), Greece. Net Market Survey
- Oct'91- Jun'93 **NATO HAWK** Anti-Aircraft Missiles, Fire Control Operator (Military Service).
- Jan-Oct'91 **ELLINIKES ICHTHYOCALLIERGIES AEBE** (marine fish hatchery), Greece. Seabass/bream fry production, Kanatadika, Istieas, Greece.

Languages Greek (native), English (excellent), French (good).

Participation in International/National Projects

29/4/24- **BOUTCAR: Blue jobs through blue careers**
30/12/24 (G.A. 101124841) "BOUTCAR_T2.2_Roadmap blue careers Design of upgrading and retraining programmes linked to the selected blue careers in fisheries and aquaculture. Development of the BOUTCAR European Collaborative Network, Project management & coordination. Deliverables: D1.4: Policy brief-first period, D3.1: Focus Groups report on Experts in Blue Economy, D6.1: Global Results Report WORKSHOPS.

2024 **CINEA Project:** European Climate, Infrastructure

and Environment Executive Agency (CINEA) on behalf of the Director-General for Marine Affairs and Fisheries (DG MARE). *Part of the specific contract "CINEA/EMFAF/2023/3.1.1/01/SC01/SI2.910258, Assessment of Environmental Benefits of Aquaculture and Challenges and Opportunities in Promoting those Benefits".*

- 2021-22 **FAO-GFCM.** Aquaculture sector Analysis for Lebanon, as a part of the *EU Grant "Selected activities of the mid-term strategy towards the sustainability of fisheries and for sustainable aquaculture development implemented in the Mediterranean and Black Sea"*.
- 2021-23 **Operational Program Fisheries and Sea.** Improving competitiveness of the Greek fish farming through development of intelligent systems for disease diagnosis & treatment proposal and relevant risk management supporting actions (MIS 5067321, Budget: 501.155,24 €, Project Coordinator).
- 2020 **FAO-GFCM.** Regional research program on blue crab in the Mediterranean Sea as a part of the EU funded project" *Select activities of the mid-term strategy towards the sustainability of fisheries and the strategy for sustainable aquaculture development implemented in the Mediterranean & Black Sea"*. Responsible for the E. Mediterranean subregion (GFCM/42/2018/7)
- 2020-23 **Operational Program Fisheries and Sea.** Innovative Actions for The Monitoring-Recovering – Enhancement Of the Natural Recruitment Of The Endangered Species (Fun mussel) *Pinna nobilis* (MIS 5052394 Budget: 529.558,13€, Project Coordinator)
- 2020-23 **Operational Program Fisheries and Sea.** Life cycle and effects and management of the invasive species *Calinectes sapidus* (blue crab). (MIS 5049717)
- 2020-23 **Operational Program Fisheries and Sea.** Development of the best control practices of invasive ascidians in mussel farming infrastructures and remediation of economic effects of invasion (MIS 5048463 Budget: 318.163,53€, Project Coordinator)
- 2020-23 **Operational Program Fisheries and Sea.** Innovative Development of Pilot Multi-Trophic Aquaculture (Prof. Karakassis I. U. Crete, coord.)
- 2019 **EuropeAid/137136/DH/SER/UA** Support to Agricultural & Food Policy Implementation, Kiev, Ukraine, 22/09-5/10/2019)
- 2019 **INTERREG EUROPE (PGI02462):** GPP4GROWTH»,

- K.E.- 57500000. Contribution to the Project Action Plan Development (13/09-12/11/19) Prof. Bouras C. (Coord).
- 2018 **FAO-GFCM**. Development of "Shellfish Aquaculture Demonstrative Center (ADC) in Black Sea, National Institute for Marine Research & Development Gregory Antypa, Constanta, Romania (project consultant)
- 2018-23 **Operational Program Fisheries and Sea. ESPA2014-20**. Commercial exploitation of the pearl oyster *Pinctada imbricata radiata* with the development of high added value processed products (project coordinator, Code No: 5010850, budget 111.345 €)
- 2017 **FAO-GFCM**. Aquaculture policies development in Black Sea region with focus on Ukraine. As a part of the EU-funded project "Support the Implementation of Selected Strategic Activities approved at the fortieth session of the GFCM".
- 2016 -17 **TEI(Technological Education Institute) of W. Greece**. The anoxic zone of Amvrakikos Gulf: mapping, effects and management. Funding by EOX, coordinated by Patras University.
- 2015 **FAO**. Revision/updating of the National Aquaculture Sector Overview (NASO) of Greece (Maps and web page).
- 2015 **IMBER-ADApT**. Human Dimensions Working Group of IMBER (Integrated Marine Biogeochemistry and Ecosystem Research) Project. Case Study Template Preparation.
- 2010-2011 **ESPA** (2007-2013). Business Innovation Project. Innovation & Entrepreneurship Unit, TEI of Epirus (Prof. I. Sotiropoulos Coord.).
- 2005-2008 **ARCHIMIDES II**–EPEAEK II-EU funded (contract 10015-0002). The study of the copepods in the lagoons of Epirus. Evaluation of its potential use by the Greek aquaculture.
- 2005-2007 **ARCHIMIDES II**–EPEAEK II-EU funded (contract 10015-00003).The use of the mussel farming as an environmental biofilter.
- 2004-2007 **ARCHIMIDES I** –EPEAEK II-EU funded (contract 10012-00004)
Environmental Interactions of the Mussel farming.
- 2000-2001 **EU PISCES** (EU Leonardo Project). Global EU approach of the quality control systems in fisheries and aquaculture. Collaboration between Hull University, UK,

- M. Dillon & Associates, UK, National Fish Inspection Authority of Holland, TEI of Athens, Fed. Greek Maricultures.
- 1999 **EU ENSEMA** (EU Leonardo Project). Federation of Greek Maricultures-FGM (Gr), d'Agriculture De Poisy-Annecy (Fr) University of Vasilicata (I), AquaTT UETP, (Ir)). Evaluation of the current training managerial needs in aquaculture.
- 1998 **EU LEONARDO** Project: Quality Controls Systems for the Fisheries Products. In collaboration with Iceland University, Scottish Aquaculture Training Association (SATA), Federation of Greek Maricultures (FGM) & AquaTT UETP (Ir). Project Co-ordinator of the training seminar in Greece.
- 1997 **EU LEONARDO**: Project Co-ordinator (Short Training Courses Development Ag. No K/95/2/1235/p/ii.1.1.c / FPC) I) Aquaculture Business Management II) Aquaculture Project Management & Planning
- 1996-2002 **EU CFP (EU Common Fisheries Policy)** funded Project: Pan-European Data Base FEAP. National Operator of the Federation of Greek Maricultures (FGM). Data base management (ORACLE, MS OFFICE) for harvesting (species, size, quality, packaging etc) and sales in European market (destination, quantities, prices, type of product, etc) of farmed species.
- July 1995 **EU COMMET** Program: Post Harvesting Technology for the Improvement of the Quality of the Fish (Project manager).
- May-Oct'90 Nutritional Studies of microencapsulated diets for rotifers University College of N. Wales for Frippak Feeds (U.K) (now INVE group).

Referee Activity

●**Reviewer:** 1) Journal of Shellfish Research (2014, 2015), 2) Turkish Journal of Zoology (2014), 3) Springer Plus (2015), 4) Cahier de Biologie Marine (2017), 5) Aquaculture (2017, 2018, 2019,2021), 6) Journal of Applied Ichthyology (2018), 7) Turkish Journal of Fisheries & Aquatic Sciences (2018,2020), 8) Journal of Coastal Conservation (2018), 12) MedFar (2017, 2018), 13) PeerJ (2018), 14) Thalassas (2018,2020), 15)Marine Environmental Research (2019), 16) Marine Biotechnology (2019), 17) Journal of Applied Aquaculture (2019) Helyon(2019, 2020).

Section Editor/Advisory Board: i) Mediterranean Fisheries & Aquaculture Research, MedFar (2017, 2018, 2019,2020). ii) Fish & Invertebrates Aquaculture, Special Session in Journal of Marine Science Engineering (MDPI Publications) 2021-23.

(https://www.mdpi.com/journal/jmse/special_issues/Marine_Fish_Invertebrate_Aquaculture).

• **Referee:** in Pagou, P. and Hallegraeff, G. (eds) (2012). Proceedings of the 14th International Conference on Harmful Algae. International Society for the Study of Harmful Algae and Intergovernmental Oceanographic Commission of UNESCO 2012, ISBN 978-87-990827-3-5.

• **Scientific Committee:** in the 10th Hellenic Oceanographic & Fisheries Symposium Hellenic Centre of Marine Research, 7-11 May 2012, Evgenidio, Athens, Greece. ISBN: 978-960-98054-9-0.

• **Scientific Committee:** in the 3rd International Congress on Applied Ichthyology & Aquatic Environment HYDROMEDIT 2018, November 08-11, Volos, Greece. (<http://hydromedit.gr/index.php/committees/>)

• **Invited expert** for Mediterranean Aquaculture. AIP-Aquaculture Interchange Program "Aquaculture Grow-out Systems", (Lee C., Coord.) University of Hawaii, Honolulu, USA (1-5/02/2001)

• **EU CRAFT PROGRAM Evaluation Team. Invited Evaluator** (independent expert) from the European Union DG-XIV (07/1997).

• **Invited Expert/ Scientific Committee Member** of the Greek Ministry of Environment and Climatic Change for the bivalve shellfish aquaculture environmental standards (09/2015).

• **EU-DG MARE Informal expert group member of Marine Knowledge (2018-21)**

• **BLUE_BOOST (ADRION-INTRREG) Selected Expert** for Brokerage Event and the Cross-Field Visit in Thessaloniki – Central Macedonia (Greece) on the 5th and 6th of June 2019

- **FAO-GFCM Invited Expert in** "Expert meeting on sustainable shellfish aquaculture in the Mediterranean and the Black Sea". 23-25 November 2015, Cattolica, Italy.
- **FAO-GFCM Invited Expert in** "Scientific advisory committee on aquaculture (CAQ)", Tenth session. 27–29 March 2017, Izmir, Turkey.
- **FAO-GFCM Invited Expert in** "Working Group in the Black Sea" 26-28 September 2017, Constanza, Romania.
- **FAO-GFCM Invited Expert in** "Regional meeting to operationalize the strategy for the sustainable development of Mediterranean and Black Sea aquaculture" 13 March 2018, Trabzon, Turkey.
- **FAO-GFCM Invited Expert in** "Working Group on the Black Sea (WGBS). Aquaculture Demonstrative Centre – Focus technical meeting". 14–15 March 2018 Trabzon, Turkey.

- **FAO-GFCM Invited Expert in** “Expert meeting on non-indigenous species in the Central Mediterranean”. Sub-regional Committee for the Central Mediterranean (SRC-CM), 19–20 April 2018, Tunis, Tunisia.
- **FAO-GFCM Invited Expert in** “High-level Conference on Black Sea fisheries and aquaculture”, 6-7 June 2018, Sofia, Bulgaria.
- **FAO-GFCM Invited Expert in** stakeholder MedAID Workshop “The importance of Social Acceptability for Mediterranean aqua-culture development: Stock taking and the way forward” 27-29 August 2018, AQUA 2018 EAS-WAS, Montpellier, France.
- **FAO-GFCM Representative/Invited Expert** “Developing technologies for environmentally sustainable aquaculture via Aquaculture Demonstrative facilities in the Black Sea”. II Global Fishery Forum & Seafood Expo, 13-15 Sept 2018, St Petersburg, Russia.
- **FAO-GFCM Invited Expert in** “Shellfish Aquaculture Demonstrative Center (ADC), National Institute for Marine Research and Development Gregory Antypa, 17-28 September 2018, Constanta, Romania
- **FAO-GFCM Invited Expert in** "Workshop on finfish animal health and risk analysis in aquaculture" 2-5 October 2018 Cyprus.
- **FAO-GFCM Contribution to** “Forum on Fisheries Science”. FAO HQ, 10-14 December 2018, Rome, Italy.
- **FAO-GFCM Invited Expert in** " FAO mission to diagnose the state of development of the aquaculture sector, identify strengths and weaknesses, opportunities and threats and propose a joint action plan to support the country in achieving its strategic goals for the sector in Jordan" 25 February-1 March 2019, Amman, The Hashemite Kingdom of Jordan.
- **FAO-GFCM Invited Expert in** “Scientific Advisory Committee on Fisheries (SAC) Sub-regional Committee for the Eastern Mediterranean (SRC-EM) FAO HQ, Rome, (Italy), 18–19 March 2019.
- **FAO-GFCM Invited Expert in** “Scientific Advisory Committee on Aquaculture (CAQ): Workshop on Guidelines in support of social acceptability for sustainable aquaculture development”, Monastir, Tunisia, 8–10 April 2019.
- **FAO-GFCM Invited Expert in** “Shellfish Aquaculture Demonstrative Center (ADC), National Institute for Marine

Research and Development Gregory Antypa, 8-11 May 2019, Constanta, Romania.

- **Monterey Bay Aquarium, SEAFOOD WATCH** report (2020) for Gilthead Seabream, European Seabass & Meagre. Reviewing Scientific Team contribution (p.171/234).
- **FAO-GFCM**. Scientific Advisory Committee on Fisheries (SAC) Subregional Committee for the Central Mediterranean (SRC-CM), 9-11 March 2021 (online meeting). Contribution: *"Fishing non-indigenous species for commercial exploitation in Ionian Sea"*.
- **FAO-GFCM** Scientific Advisory Committee on Fisheries (SAC) Subregional Committee for the Eastern Mediterranean (SRC-EM) 25 – 27 May 2021 (online meeting). Contribution: *"The blue crab species distribution in the eastern Mediterranean and its supply chain in Greece"*.
- **FAO-GFCM**. ADC in Constanta - Shellfish Farming Demonstrative Training on Small-Scale Shellfish Farming: Key Aspects Best Practices for Shellfish Farms Safety and Security - theory class, 5 May 2022, (WEBINAR Lecture).
- **FAO-GFCM Invited Expert** in Scientific Advisory Committee on Aquaculture (CAQ) / Regional Commission for Fisheries (RECOFI) Joint workshop on allocated zones for aquaculture. Muscat, Oman, 19–20 March 2023.
- **FAO-GFCM Invited Expert** in Barcelona Seafood Expo- "Restorative Aquaculture in Catalonia" on the 25th of April 2023, in Barcelona, Spain.
- **FAO-GFCM Invited Expert** in Scientific Advisory Committee on Aquaculture (CAQ) / Workshop on strengthening cooperation on responsible investment among southern Mediterranean countries, Alexandria, Egypt, 17–18 May 2023.
- **FAO-GFCM Invited Expert** in Scientific Advisory Committee on Fisheries (SAC) Subregional Committee for the Central Mediterranean (SRC-CM) Tunis, Tunisia, 28–30 March 2023 (hybrid)
- **FAO-GFCM Invited Expert** in Scientific Advisory Committee on Fisheries (SAC) Subregional Committee for the E. Mediterranean (SRC-EM) Athens, Greece, April 2023.

- **FAO-GFCM Invited Expert** in Scientific Advisory Committee on Aquaculture (CAQ)/Workshop on the use of innovative technologies to prevent and control finfish disease. Tunis, Tunisia, 19–20 September 2023.
- **FAO-GFCM Invited Expert** in Scientific Advisory Committee on Aquaculture (CAQ)/International Symposium on Fisheries and Aquatic Sciences (SOFAS) Conference Hall, National Fisheries Gene Bank, SUMAE, Türkiye, 24-26 October 2023.
- **FAO-GFCM Invited Expert** in Fish Forum 2024, Antalya, Türkiye, 19 - 23 February 2024.
- **FAO-GFCM Invited Expert** in Scientific Advisory Committee on Aquaculture (CAQ)/Workshop on the promotion of aquaculture ecosystem services: Restorative aquaculture initiatives in the Mediterranean and Black Sea. Rome, Italy, 25 March 2024.

Awards

- **ESF Fund** (European Social Fund) for postgraduate studies in Bangor University, U.K.

Educational Experience

During my duties (2001- 2017) in the Dept of Fisheries & Aquaculture of TEI of Epirus (reformed in 2011 as Fisheries & Aquaculture Technology of TEI W. Greece, Missolonghi), I served as Lecturer (2001-2017)/Assistant Professor (2017-Jan 2021). I focused on Industrial Scale Applications (technology & management) in Aquaculture (fish & shellfish). Director (elected) of the Sector A “Fisheries Management” of the Dept of Fisheries & Aquaculture Technology TEI of W. Greece (April 2018-). Associate Professor (Feb 2021-) Dept of Animal Production, Fisheries & Aquaculture, University of Patras, Head (elected) of the Dept. of Fisheries & Aquaculture, University of Patras (Sept 2023-).

MSc Thesis Supervisor (11 MSc Thesis): 8 of Aquaculture & Aquatic Animal Health, (TEI of Epirus-Univ. of Thessaly-Veterinary Sc) 2+1 ongoing in (MSc Sustainable Fisheries, Aquaculture, Univ. of Patras), and several dozens of final years undergraduate thesis.

Ph Thesis Supervisor (5 PhD Thesis (1, 2, 3, 4, 5) + 1 PhD Thesis Advisor committee (6)):

1. Tsotsios D. (2020-). The ecological role of the mussel farming installations as substrate for the establishment of invasive ascidians and other bio-foulants.

2. Buhlak Y. (2020-). The use of a composite indicator as a method for capacity building in aquaculture: a case study in Ukrainian regions.
3. Kilitzidis I. (2021-). New product development form Pearl Oyster *Pinctada i. radiata*.
4. Kyrkou M. (2023-). "Evaluation and assessment of LCA method in aquaculture".
5. Spiliopoulos G. (2023-). Risk Management in Greek Mariculture.
6. Tsolakos K. (2020-). The role of the bivalves in the lagoonal sand strips of Amvrakikos gulf.

Post Doc Thesis Supervisor: Gkikas D. (2022-2024).

Erasmus Mobility

4. **Faculty of Agro-Biotechnical Sciences, University of Osijek, Croatia** (EU Erasmus, Staff Mobility, 20-24/01/2020, BSc Teaching: Aquaculture Technologies).
3. **Faculty of Agro-Biotechnical Sciences, University of Osijek, Croatia** (EU Erasmus +Staff Mobility, 14-25/01/2019, BSc Teaching: Aquaculture Production Technologies).
2. **Faculty of Agriculture, University of Osijek, Croatia** (EU Erasmus Staff Mobility, 15-26/01/2018, BSc Teaching: Risk Analysis & Mediterranean Aquaculture).
1. **Aquaculture Lab. / Artemia Reference Centre, Ghent University, Belgium.** (EU Erasmus Staff Mobility, 22/06-03/07/15, MSc Teaching/Training: Bivalve Shellfish Production Risk Management & Innovative Hatcheries Technologies).

1. Publications in international peer - reviewed journals

- 1.57 Lattos A., Makri V., Papadopoulos D.K., Gourzioti E., Pagonis C., Georgoulis I., Karagiannis D., **Theodorou J.A.**, Michaelidis B., Giantsis I.A., Feidantsis K. (2024). Molecular characterization of *Lernathropus kroyeri* from intensive aquaculture and pathophysiology of infested sea bass. *Fish & Shellfish Immunology*, 149, 109576, <https://doi.org/10.1016/j.fsi.2024.109576>.
- 1.56 Gkikas D.C., Gkikas M.C., **Theodorou J.A.** (2024). Fostering Sustainable Aquaculture: Mitigating Fish Mortality Risks Using Decision Trees Classifiers. *Appl. Sci.* 2024, 14, 2129. <https://doi.org/10.3390/app14052129>
- 1.55 Tsotsios D., Papadopoulos D.K., Alvanou M.V., Georgoulis I.,

- Lattos A., Michaelidis B., Feidantsis K., Giantsis I.A., **Theodorou J.A.** (2024). Environmentally Friendly and Efficient Methods for Mitigating the Density of Ascidian Fouling in Mediterranean Mussel Farming. *Fishes* 2024, 9, 135. <https://doi.org/10.3390/fishes9040135>
- 1.54 **Theodorou J.A.**, Tzovenis I. (2024). Risk management in the Greek mussel farming through ISO 31000. *Oceanological and Hydrobiological Studies* 53(1):79-87. <https://doi.org/10.26881/oahs-2024.1.09>
- 1.53 Papadakis, P., Mamoutos, I., Ramfos, A., Catanese, G., Papadimitriou, E., **Theodorou A., J.**, Batargias, C., Papaioannou, C., Kamilari, M., Tragou, E., Zervakis, V., & Katsanevakis, S. (2023). Status, distribution, and threats of the last surviving fan mussel populations in Greece. *Mediterranean Marine Science*, 24(3), 679–708. <https://doi.org/10.12681/mms.35384>
- 1.52 Georgopoulos, V.P.; Gkikas, D.C.; **Theodorou, J.A.** (2023). Factors Influencing the Adoption of Artificial Intelligence Technologies in Agriculture, Livestock Farming and Aquaculture: A Systematic Literature Review Using PRISMA 2020. *Sustainability* 2023, 15, 16385. <https://doi.org/10.3390/su152316385>
- 1.51 Karras, A.; Karras, C.; Sioutas, S.; Makris, C.; Katselis, G.; Hatzilygeroudis, I.; **Theodorou, J.A.**; Tsolis, D. (2023). An Integrated GIS-Based Reinforcement Learning Approach for Efficient Prediction of Disease Transmission in Aquaculture. *Information* 2023, 14, 583. <https://doi.org/10.3390/info14110583>
- 1.50 Kovas, K.; Hatzilygeroudis, I.; Dimitropoulos, K.; Spiliopoulos, G.; Poulos, K.; Abatzidou, E.; Aravanis, T.; Ilias, A.; Kanlis, G.; **Theodorou, J.A.** (2023). Using Level-Based Multiple Reasoning in a Web-Based Intelligent System for the Diagnosis of Farmed Fish Diseases. *Appl. Sci.* 2023, 13, 13059. <https://doi.org/10.3390/app13241305>
- 1.49 Feidantsis K., Papadopoulos D.K., Lattos A., **Theodorou J.A.**, Michaelidis B., Giantsis I.A. (2023). Effects of Biofouling by Ascidiaceans on Cultured Mussels: Apoptosis, Autophagy, and Antioxidant Defense. *Journal of Shellfish Research* 42(2): 199-213, (8 September 2023). <https://doi.org/10.2983/035.042.0202>
- 1.48 Tsamadias I.E., Rizou D.D., Moutopoulos D.K., Lattos A., Giantsis I.A., Michaelidis B., **Theodorou J.A.** (2023). Morphometric Analysis of the Critically Endangered Fan Mussel (*Pinna nobilis* L.) in Maliakos Gulf (Central Aegean). *Diversity*. 2023; 15(9):948. <https://doi.org/10.3390/d15090948>

- 1.47 Francesca Carella, Dušan Palić, Tomislav Šarić, Ivan Župan, Bartolomeo Gorgoglione, Patricia Prado, Karl B. Andree, Ioannis A. Giantsis, Basile Michaelidis, Athanasios Lattos, **John A. Theodorou**, Juan Luis Barja Perez, Sergio Rodriguez, Fabio Scarpa, Marco Casu, Elisabetta Antuofermo, Daria Sanna Domenico Otranto, Rossella Panarese, Carmelo Iaria, Fabio Marino (2023). Multipathogen infections and multifactorial pathogenesis involved in noble pen shell (*Pinna nobilis*) mass mortality events: Background and current pathologic approaches. *Veterinary Pathology*. 2023;0(0). doi:10.1177/03009858231186737
- 1.46 Philine S.E. zu Ermgassen, Åsa Strand, Nienke Bakker, Ainhoa Blanco, Kruno Bonačić, Pierre Boudry, Gianni Brundu, Tom C. Cameron, Iarfhlaith Connellan, Fiz da Costa, Alison Debney, Monica Fabra, Anamarija Frankic, Celine Gamble, Mathew W. Gray, Luke Helmer, Zoë Holbrook, Tristan Hugh-Jones, Pauline Kamermans, Thorolf Magnesen, Pernille Nielsen, Joanne Preston, Christopher J. Ranger, Camille Saurel, David Smyth, Brecht Stechele, **John A. Theodorou**, Bérenger Colsoul.(2023). Overcoming *Ostrea edulis* seed production limitations to meet ecosystem restoration demands in the UN decade on restoration. *Aquat. Living Resour.*, 36 (2023) 16 DOI: <https://doi.org/10.1051/alr/2023012>
- 1.45 Papadopoulos D.K., Lattos A., Giantsis I.A., **Theodorou J.A.**, Michaelidis B., Feidantsis K. (2023). The impact of ascidian biofouling on the farmed Mediterranean mussel *Mytilus galloprovincialis* physiology and welfare, revealed by stress biomarkers, *Biofouling*, DOI: 10.1080/08927014.2023.2209015
- 1.44 Tsotsios D., Moutopoulos D.K., Lattos A., Michaelidis B., **Theodorou J.A.** (2023). Impacts of the Establishment of Biofoulants on Greek Aquaculture: Farmers' Expert Knowledge. *J. Mar. Sci. Eng.* 2023, 11, 1077. <https://doi.org/10.3390/>
- 1.43 Hatzilygeroudis I., Dimitropoulos K., Kovas K., **Theodorou J.A.** (2023). Expert Systems for Farmed Fish Disease Diagnosis: An Overview and a Proposal. *J. Mar. Sci. Eng.* 2023, 11, 1084. <https://doi.org/10.3390/jmse11051084>
- 1.42 Alvanou M.V., Gkagkavouzis K., Karaiskou N., Feidantsis K., Lattos A., Michaelidis B., **Theodorou J.A.**, Batargias C., Triantafyllidis A., Giantsis I.A. (2023). Mediterranean Aquaculture and Genetic Pollution: A Review Combined with Data from a Fish Farm Evaluating the Ecological Risks of Finfish Escapes. *J. Mar. Sci. Eng.* 2023, 11, 1405. <https://doi.org/10.3390/jmse11071405>
- 1.41 Lattos A., Feidantsis K., Giantsis I.A., **Theodorou J.A.**, Michaelidis B. (2023). Seasonality in Synergism with Multi-Pathogen Presence Leads to Mass Mortalities of the Highly Endangered *Pinna nobilis* in

- Greek Coastlines: A Pathophysiological Approach. *Microorganisms* 2023, 11, 1117. <https://doi.org/10.3390/Microorganisms11051117>
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