

## PERSONAL INFORMATION | GEORGIOS VAGENAS



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Nationality Greek

## SUMMARY

- Publications 5 articles in peer-reviewed scientific journals
- Presentations More than 10 presentations in international conferences and seminars
- Projects Participated in 3 research and 2 technical projects
- Conferences 5 conference papers in peer-reviewed scientific conferences
- Awards 4 undergraduate (BSc) and 1 postgraduate (MSc) academic scholarships—awards

## RESEARCH EXPERIENCE

- 2019 - Present **Research Assistant (Aquatic Biologist-Ecologist)**  
Hellenic Centre for Marine Research, HCMR (Athens, Greece)
  - 4ALIEN Project (2022-Present): Biology and the potential economic exploitation of four alien species in the Hellenic Sea.
  - ANATHALLOI Project (2019-2021): Development of management tools for marine and freshwater ecosystems along with the investigation of the feeding ecology and bio-statistical analysis in the fish species of Trichonis Lake, a large Mediterranean lake.
- 2018-Present **Environmental Scientist | Co-Founder** (Thessaloniki, Greece)  
Bluechain SCE & Aristotle University of Thessaloniki: Bluechain utilizes Blockchain & Smart Contracts to automatically record natural resources exploitation while also keeping permanent, auditable public records, openly available to European Citizens, Research Institutions & Environmental Supervisory Authorities.
- 06/2018 **Research Assistant (Data Analyst)**  
Fisheries Research Institute (Kavala, Greece)  
Application of COST package in the implementation of marine exploitation data management.

## ACADEMIC EDUCATION AND TRAINING

- 2020 - Present **MSc(s) | National Technical University of Athens, NTUA [Greece]**  
Hydrologist (Semesters' Average Grade: 9.0/10.0); "Hydrology and Adaption to Climate Change"  
Thesis: "Ecohydraulic environmental flow assessment in arid Moroccan river basins, using fish and benthic macroinvertebrates" (NTUA, HCMR [Greece] | UCAM [Morocco])
- 2014 – 2019 **BSc | Aristotle University of Thessaloniki [Greece]**  
Biologist (8.28/10); Thesis: "Biology of the species *Capros aper*". (AUTH | HCMR [Greece])
- 09 / 2018 **Operational Oceanography for Science, Business & Society (ODYSSEA – DUTH)**  
International Summer School (ECTS: 6)

## ACADEMIC AWARDS – SCHOLARSHIPS

- 2020-2022 **Scholarship Holder | [Grant]**  
Bodosaki Foundation - MSc - NTUA Water Resources Science & Technology
- 2019 **Award of excellence of the AUTH Academic Board of Excellence | Bluechain (PRC-GR) [Award]**
- 2018 **2nd Global Award | [Grant]**  
Bytom Global Blockchain Development Conference 2018 | Hangzhou, China
- 2017-2018 **Scholarship Holder | [Grant]**  
Aristotle University of Thessaloniki - BSc - Department of Biology AUTH
- 2013-2014 **Scholarship Holder | [Grant]**  
Hellenic Petroleum Company

## ADVANCED SCIENTIFIC SKILLS

Ichthyological Laboratory	-Identification, Weight-Length, External morphometry calculations -Gastro-internal diet system morphometry, prey extraction, identification and analysis -Otolith extraction, preparation, age reading and analysis -Ecohydraulic field measurements
Programming software	-Advanced Excel/Word/PowerPoint/Access (Data preparation and document preparation) -Advanced R v-4.2.0. (Biostatistical, Computational Ecology & Time-series Analysis) -MATLAB (Handling and Optimization technics of Operational Environmental Data) -ArcGIS / ArcMap (Mapping and Layer-based Visualization)
Ecological Data Analysis	-Advanced Applied Biostatistics -Linear/ Mixed Linear/Non-Linear/ Bootstrapped Modelling/ Multi-oriented Data Clustering -Generalized Additive Models (GAMs) -Data Visualization technics -Time series Analysis and implementation of Stochastic Algorithms -Habitat Suitability and Ecohydraulics

## LANGUAGES

Greek (Mother tongue), English (Advanced; 2010 Pearson CEF B2 Certificate)

## FEATURED PUBLICATIONS IN PEER-REVIEWED SCIENTIFIC JOURNALS AND CONFERENCES

1. **Vagenas, G.**, Oikonomou, A., Karachle, P. K., Petriki, O., & Stoumboudi, M. Th. (2022). Trophic Patterns of Freshwater Fish across the Balkan Biodiversity Hotspot. *Water*, 14(7), 1112. <https://doi.org/10.3390/w14071112>
2. **Vagenas, G.**, Stoumboudi, M.Th., Petriki, O., Andriopoulou, A., Tsionki, I. & Karachle, P.K. (2022). Dietary patterns of five freshwater fish species in a large Mediterranean lake. *Journal of Freshwater Ecology*, 37(1), 203–220. <https://doi.org/10.1080/02705060.2022.2034674>
3. **Vagenas, G.**, Apostolidis, C., Dogrammatzi, A. & Karachle, P. K. (2022). Filling in data gaps on the phaeton dragonet [*Synchiropus phaeton* (Günther, 1861)]: a study on biological characteristics in the eastern Mediterranean (Aegean Sea, Greece). *Marine Biology Research*, 17(9–10), 828–837. <https://doi.org/10.1080/17451000.2022.2029900>
4. **Vagenas G.**, Iliopoulou T., Dimitriadis P. & Koutsoyiannis D. (2021). Stochastic analysis of time-series related to ocean acidification. European Geosciences Union, General Assembly 2021. <https://doi.org/10.5194/egusphere-egu21-2637>
5. **Vagenas G.**, Papadopoulou P. & Karachle, P. K. (2021). sBCB (standardized Burn-Crack-Burn): A standardized modification of burning method for otolith age estimation. *Fisheries Research*, 233, 105767. <https://doi.org/10.1016/j.fishres.2020.105767>
6. **Vagenas G.**, Karachle, P. K., Dogrammatzi, A., & Tsikliras, A. C. (2020). Age, growth and feeding habits of boarfish (*Capros aper*) in the Aegean and Ionian Seas (Greece). *Marine Biology Research*, 16(8–9), 585–592. <https://doi.org/10.1080/17451000.2020.1855657>

7. Theodoropoulos, C., **Vagenas, G.**, Moutaouakil, S., Benaissa, H., Fendane, Y, Stoumboudi, M. Th., Dimitriou, E, Ghamizi, M. & Stamou, A. (2022). Comparative Assessment of Macroinvertebrate Habitat Suitability in Mediterranean (Greek) and Semi-Arid (Moroccan) River Reaches. Proceedings of the 7<sup>th</sup> International Association for Hydro-Environment Engineering and Research.
8. **Vagenas, G.**, Theodoropoulos, C. & Stamou, A. (2022). Effects of vegetation on Manning's roughness coefficient in natural streams: a case-study in Attica, Greece. Proceedings of the 7<sup>th</sup> International Association for Hydro-Environment Engineering and Research.
9. **Vagenas G.**, Papadopoulou P., Dogrammatzi A., Karachle P.K. & Tsikliras A. C. (2019). Estimation of age and growth parameters of boarfish *Capros aper* (Linnaeus, 1758) in the Aegean and Ionian seas. Proceedings of the 17<sup>th</sup> Panhellenic Conference of Ichthyologists (2019), p. 80.
10. **Vagenas G.**, Dogrammatzi A., Karachle P. K. & Tsikliras A. C. (2019). Length-weight relations, mouth morphometry and feeding habits of boarfish *Capros aper* (Linnaeus, 1758) in the Aegean and Ionian seas. Proceedings of International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions.