

Savvas Genitsaris

CURRICULUM VITAE

Athens
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PERSONAL INFORMATION

Name: **Savvas Genitsaris**

Sex: **Male**

Date of birth: **19 November 1982**

Home address: **Ioustinianou 17, 16674, Glyfada, Greece**

Office address: **National and Kapodistrian University of Athens, Department of Biology, Zografou Campus, Athens, Greece**

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EDUCATION

- **BSc in Biology**, Aristotle University of Thessaloniki, Greece (2005).
- **MSc in Ecology, Evolution and Conservation**, Imperial College London, UK (2006).
- **Ph.D. in "Airborne Microorganisms in Urban Areas: Biodiversity, Succession and Dispersion"**, Aristotle University of Thessaloniki, Greece (2012).

ACADEMIC TITLE

Assistant Professor, Department of Biology, National and Kapodistrian University of Athens

RESEARCHER'S DETAILS

<https://orcid.org/0000-0003-0585-2571>

<https://scholar.google.gr/citations?user=1DoAhGAAAAAJ&hl=el>

According to Scopus: h-index=14, 36 papers, 540 citations

According to Google Scholar: h-index=15, 38 papers, 714 citations

RESEARCH INTERESTS

Aquatic Microbial Ecology. Molecular Ecology and Biodiversity of microorganisms, ranging from bacteria to unicellular eukaryotes. Utilizing classical microscopy and molecular tools to explore microorganism diversity in a functional and ecological context in various ecosystems, with focus to aquatic systems.

PAST & PRESENT MAIN PROFESSIONAL POSITIONS

- **Post-doctoral Researcher** at the following Institutes/Universities:
 - Laboratoire d' Océanologie et de Géosciences, Université du Littoral Côte d' Opale (ULCO), France (January 2013- March 2015),
 - University of Thessaly, Greece (April - September 2015),

- Aristotle University of Thessaloniki, Greece (October 2015 – February 2021).
- **Postdoctoral Scholar** of the Hellenic State Scholarship Foundation (April 2017 – April 2018).
- **Academic Associate** at the International Hellenic University, Greece (August 2017 – December 2020).
- **Teaching Staff** of the MSc in Bioeconomy: Biotechnology and Law at the International Hellenic University (November 2017 – December 2020).
- **Project Manager and Member of the Teaching Staff** in the approved Erasmus + KA2 Project entitled: "Biosafety in Biotechnology: Connecting Academia with the Bioeconomy Market" (November 2018 – December 2020).

MOST IMPORTANT PAST & PRESENT PROJECTS

- DEMO (2013-2016) – Foundation for Research on Biodiversity. "The hidden diversity of a well-studied area" (2013-2015)
- Operational Programme "Human Resources Development Program, Education and Lifelong Learning" of the National Strategic Reference Framework (NSRF) 2014 – 2020. "Molecular and functional biodiversity of prokaryotic and unicellular eukaryotic microorganisms in the Thermaikos Gulf" (2017 – 2019).
- Erasmus + KA2 Project: "Biosafety in Biotechnology: Connecting Academia with the Bioeconomy Market" (2018 – 2021).
- Hellenic Foundation for Research and Innovation (HFRI) and the General Secretariat for Research and Technology (GSRT), "Plant Growth Promoting Rhizobacteria (PGPR) that alleviate abiotic stress in plants grown in the Mediterranean environment: understanding the biochemical and molecular mechanisms of tolerance" (2018-2021).
- EU Programmes 2014-2020, Horizon 2020, Societal Challenges, Smart, green and integrated transport, "Experiments to characterize waste streams to water from shipping, resulting from emission control technologies, Modelling shipping emissions and their effects on marine ecosystems" (2021).

PAST & PRESENT MAIN TEACHING ACTIVITIES

- Teaching of the laboratory/practicals of phytoplankton microscopy analysis for the Programme of Undergraduate Studies, School of Biology, Aristotle University of Thessaloniki, Greece (2007 – 2011).
- Teaching of the laboratory/practicals of Chlorophyll a concentration measurements in phytoplankton samples for the Programme of Undergraduate Studies, School of Biology, Aristotle University of Thessaloniki, Greece (2009 – 2011).
- Teaching participation at the module "Methodology of Study" for the MSc in Human Genetics, University of Thessaly, Greece (2015 – 2017).
- Teaching of the module "Biology and Environment: Basic Concepts" for the MSc in Bioeconomy: Biotechnology and Law, International Hellenic University, Greece (2017 - 2020).
- Teaching participation at the module "Agro/industrial, Marine and Environmental Biotechnology" for the MSc in Bioeconomy: Biotechnology and Law, International Hellenic University, Greece (2017 – 2020).
- Teaching participation at the module "Applied Biotechnology" for the MSc in Bioeconomy: Biotechnology and Law, International Hellenic University, Greece (2018 – 2020).

- Teaching participation at the laboratory and lectures of the module “Ecology”, for the Programme of Undergraduate Studies, School of Biology, National and Kapodistrian University of Athens, Greece (2021 –).
- Coordinator and teaching of the module “Ecosystems of Surface Waters” for the MSc in Ecology and Biodiversity, School of Biology, National and Kapodistrian University of Athens, Greece (2021 –).

PUBLICATIONS IN PEER REVIEWED JOURNALS

1. **Genitsaris S**, Kormas K & Moustaka-Gouni M (2009). Microscopic eukaryotes living in a dying lake (Lake Koronia, Greece). *FEMS Microbiology Ecology*, 69: 75 – 83.
2. **Genitsaris S**, Moustaka-Gouni M & Kormas K (2011). Airborne microeukaryote colonists in experimental containers: diversity, succession, life histories and established food webs. *Aquatic Microbial Ecology*, 62: 139 – 152.
3. **Genitsaris S**, Kormas K & Moustaka-Gouni M (2011). Airborne algae and cyanobacteria: occurrence and related health effects. *Frontiers in Bioscience (Elite Ed)*, 3: 772 – 787.
4. Michaloudi E, Moustaka-Gouni M, Pantelidakis K, Katsiapi M & **Genitsaris S** (2012). Plankton succession in the temporary Lake Koronia after intermittent dry-out. *International Review of Hydrobiology*, 5/2012: 405 – 419.
5. Moustaka-Gouni M, Michaloudi E, Kormas K, Katsiapi M, Vardaka E & **Genitsaris S** (2012). Plankton changes as critical processes for restoration plans of Lakes Kastoria and Koronia. *European Water*, 40: 43 – 51.
6. Christaki U, Kormas K, **Genitsaris S**, Georges C, Sime-Ngando T, Viscogliosi E & Monchy S (2014). Winter – summer succession of unicellular eukaryotes in a meso-eutrophic coastal system. *Microbiology Ecology*, 67: 13 – 23.
7. **Genitsaris S**, Kormas K, Christaki U, Monchy S & Moustaka-Gouni M (2014). Molecular diversity reveals previously undetected air-dispersed protist colonists in a Mediterranean area. *Science of the Total Environment*, 478: 70 – 79.
8. Georges C, Monchy S, **Genitsaris S** & Christaki U (2014). Protist community composition during early phytoplankton blooms in the naturally iron-fertilized Kerguelen area (Southern Ocean). *Biogeosciences*, 11: 5847 – 5863.
9. **Genitsaris S**, Monchy S, Viscogliosi E, Sime-Ngando T & Christaki U (2015). Seasonal variations of marine protist community structure based on taxon – specific traits. *FEMS Microbiology Ecology*, 91: fiv034.
10. Christaki U, Georges C, **Genitsaris S** & Monchy S (2015). Microzooplankton community associated with phytoplankton blooms in the naturally iron-fertilized Kerguelen area (Southern Ocean). *FEMS Microbiology Ecology*, fiv068.
11. **Genitsaris S**, Monchy S, Denonfoux J, Ferreira S, Kormas K, Sime-Ngando T, Viscogliosi E & Christaki U (2016). Marine microbial community structure assessed from combined metagenomic analysis and ribosomal tag pyrosequencing). *Marine Biology Research*, 12: 30 – 42.
12. Vardaka E, Kormas K, Katsiapi M, **Genitsaris S** & Moustaka-Gouni M (2016). Molecular diversity of bacteria in commercially available «Spirulina» food supplements. *PeerJ*, 4:e1610.
13. **Genitsaris S**, Stefanidou N, Katsiapi M, Vardaka E, Kormas K, Sommer U & Moustaka-Gouni M (2016). Haematococcus: a successful air-dispersed colonist in ephemeral waters is rarely found in phytoplankton communities. *Turkish Journal of Botany*, 40: 427 – 438.

14. **Genitsaris S**, Monchy S, Breton E, Lecuyer E & Christaki U (2016). Small-scale variability of protistan planktonic communities relative to environmental pressures and biotic interactions at two closely located coastal stations. *Marine Ecology Progress Series*, 548: 61 – 75.
15. Karpouzas DG, Papazlatani C, Rousidou C, Katsoula A, Kolivas M, **Genitsaris S** & KK Papadopoulou (2016). Assessment of the impact of the fumigant dimethyl disulfide on the dynamics of major fungal pathogens in greenhouse soils. *European Journal of Plant Pathology*, in press.
16. Voudanta EEV, Kormas K, Monchy S, Delegrange A, Vincent D, **Genitsaris S** & Christaki U (2016). Mussel biofiltration effects on attached bacteria and unicellular eukaryotes in fish rearing seawater. *PeerJ*. 4:e1829.
17. Moustaka-Gouni M, Hiskia A, **Genitsaris S**, Katsiapi M, Manolidi K, Zervou S-K, Christophoridis C, Triantis T, Kaloudis T & Orfanidis S (2017). First report of *Aphanizomenon favaloroi* occurrence in Europe associated with saxitoxins and a massive fish kill in Lake Vistonis, Greece. *Marine and Freshwater Research*, 68, 793 - 800.
18. Sommer U, Charalampous E, **Genitsaris S** & Moustaka-Gouni M (2017). Benefits, costs and taxonomic distribution of marine phytoplankton body size. *Journal of Plankton Research*, 39, 494 – 508.
19. Sommer U, Peter KH, **Genitsaris S** & Moustaka-Gouni M (2017). Do marine phytoplankton follow Bergmann's rule *sensu lato*? *Biological Reviews*, 92, 1011 – 1026.
20. Biotreatment of raisin and winery wastewaters and simultaneous biodiesel production using a *Leptolyngbya*-based microbial consortium. *Journal of Cleaner Production*, 148, 185 – 193.
21. **Genitsaris S**, Stefanidou N, Katsiapi M, Kormas KA, Sommer U & Moustaka-Gouni M (2017). Variability of airborne bacteria in an urban Mediterranean area (Thessaloniki, Greece). *Atmospheric Environment*, 157, 101 – 110.
22. Karayanni H, Meziti A, Spatharis S, **Genitsaris S**, Courties C & Kormas KA (2017). Changes in microbial (Bacteria and Archaea) plankton community structure after artificial dispersal in grazer-free microcosms. *Microorganisms*, 5, article number 31.
23. Christaki U, **Genitsaris S**, Monchy S, Li LL, Rachik S, Breton E & Sime-Ngando T (2017). Parasitic eukaryotes in a meso-eutrophic coastal system with marked *Phaeocystis globosa* blooms. *Frontiers in Marine Science*, 4, article number 416.
24. Stefanidou N, **Genitsaris S**, Lopez-Bautista J, Sommer U & Moustaka-Gouni M (2018). Unicellular eukaryotic response to temperature and salinity variation in mesocosm experiments. *Frontiers in Microbiology*, 9, article number 2444.
25. Papadopoulou ES, **Genitsaris S**, Omirou M, Perruchon C, Stamatopoulou A, Ioannides I & Karpouzas D (2018). Bioaugmentation of thiabendazole-contaminated soils from a wastewater disposal site: factors driving the efficacy of this strategy and the diversity of the indigenous soil bacterial community. *Environmental Pollution*, 233, 16 – 25.
26. Tsolcha ON, Tekerlekopoulou AG, Akrotos CS, Antonopoulou G, Aggelis G, **Genitsaris S**, Moustaka-Gouni M & Vayenas D (2018). A *Leptolyngbya*-based microbial consortium for agro-industrial wastewaters treatment and biodiesel production. *Environmental Science and Pollution*, in press.
27. Rachik S, Christaki U, Li LL, **Genitsaris S**, Breton E & Monchy S (2018). Diversity and potential activity patterns of planktonic eukaryotic microbes in a mesoeutrophic coastal area (eastern English Channel). *PLoS ONE*, 13, e0196987.
28. Stefanidou N, **Genitsaris S**, Lopez-Bautista J, Sommer U & Moustaka-Gouni M (2018). Effects of heat shock and salinity changes on coastal Mediterranean phytoplankton in a mesocosm experiment. *Marine Biology*, 165, article 154.
29. Tsolcha ON, Tekerlekopoulou AG, Akrotos CS, Aggelis G, **Genitsaris S**, Moustaka-Gouni M & Vayenas D (2018). Agroindustrial wastewater treatment with simultaneous biodiesel

production in attached growth systems using a mixed microbial culture. *Water*, 10, article 1693.

30. Tatsika S, Karamanoli K, Karayanni H & **Genitsaris S** (2019). Metagenomic characterization of bacterial communities on ready-to-eat vegetables and effects of household washing on their diversity and composition. *Pathogens*, 8, article 37.
31. **Genitsaris S**, Stefanidou N, Sommer U & Moustaka-Gouni M (2019). Phytoplankton blooms, red tides and mucilaginous aggregates in the urban Thessaloniki Bay, Eastern Mediterranean. *Diversity*, 11, article 136.
32. Stefanidou N, **Genitsaris S**, Lopez-Bautista J, Sommer U & Moustaka-Gouni M (2019) Response of a coastal Baltic Sea diatom-dominated phytoplankton community to experimental heat shock and changing salinity. *Oecologia*, 191, 461-474.
33. Vokou D, **Genitsaris S**, Karamanoli K, Vareli K, Zachari M, Voggoli D, Monokroussos N, Halley JM & Sainis I (2019). Metagenomic characterization reveals pronounced seasonality in the diversity and structure of the phyllosphere bacterial community in a Mediterranean ecosystem. *Microorganisms*, 7, article 518.
34. Katsiapi M, **Genitsaris S**, Stefanidou N, Tsavdaridou A, Giannopoulou I, Stamou G, Michaloudi E, Mazaris AD & Moustaka-Gouni M (2020) Ecological connectivity in two ancient lakes: Impact upon planktonic Cyanobacteria and water quality. *Water*, 12, article 18.
35. **Genitsaris S**, Stefanidou N, Moustaka-Gouni M, Sommer U & Tsipas G (2020). Variability and community composition of marine unicellular eukaryote assemblages in a eutrophic Mediterranean urban coastal area with marked plankton blooms and red tides. *Diversity*, 12, article 114.
36. **Genitsaris S** (2020). Biodiversity of marine microbes (editorial). *Diversity*, 12, article 247.
37. Leontidou K, **Genitsaris S**, Papadopoulou A, Kamou N, Bosmali I, Matsi T, Madesis P, Vokou D, Karamanoli K & Mellidou I (2020). Plant growth promoting rhizobacteria isolated from halophytes and drought-tolerant plants: genomic characterization and exploration of phyto-beneficial traits. *Scientific Reports*, 10, article 14857.
38. **Genitsaris S**, Stefanidou N, Leontidou K, Matsi T, Karamanoli K & Mellidou I (2020). Bacterial communities in the rhizosphere and phyllosphere of halophytes and drought-tolerant plants in Mediterranean ecosystems. *Microorganisms*, 8, article 1708.

PUBLICATIONS/PRESENTATIONS IN INTERNATIONAL CONFERENCES

- **Genitsaris S**, Kormas K & Moustaka-Gouni M (2010). Airborne algae and cyanobacteria in the city of Thessaloniki: occurrence and related health effects. 14th International Conference on Harmful Algae. Hersonissos – Crete, Greece, November 1 – 5, Abstract Book, p. 310.
- U. Christaki, K.A. Kormas, S. Genitsaris, C. Georges, T. Sime-Ngando, E. Viscogliosi & S. Monchy (2014). Winter-summer succession of unicellular eukaryotes in a meso-eutrophic coastal system. Ocean Sciences Meeting, Honolulu, Hawaii, February 23-28.
- **Genitsaris S**, Monchy S, Denonfoux J, Ferreira S, Kormas K, Sime-Ngando T, Viscogliosi E & Christaki U (2014). Marine microbial community structure inferred from pyrosequencing of SSU rRNA gene regions and metgenomic analysis. 15th International Symposium on Microbial Ecology. Seoul, South Korea, August 24 – 29, Poster Book ID: 1178B.
- **Genitsaris S**, Stefanidou N, Katsiapi M, Vardaka E, Kormas K, Sommer U & Moustaka-Gouni M (2014). *Haematococcus*: a scarce phytoplankton, a successful colonist in experimental air-dispersed algal communities. 17th Workshop of the International Association of Phytoplankton Taxonomy and Ecology. Kastoria, Greece, September 14 – 21, Abstract Book, p. 61.

- **Genitsaris S**, Monchy S & Christaki U (2015). High throughput molecular tools reveal novel unicellular eukaryotes and highlight overlooked ecological roles in marine protist communities. ASLO Aquatic Sciences Meeting. Granada, Spain, February 22 – 27, Abstract ID: 26097.
- **Genitsaris S**, Rachic S, Li L, Kormas K, Sime-Ngando T, Monchy S & Christaki U (2016). Symbionts and decomposers – the hidden diversity of a well studied area. ASLO Aquatic Sciences Meeting. Santa Fe, New Mexico, June 5 – 10, Abstract ID: 27887.
- Moustaka-Gouni M, **Genitsaris S**, Kormas K, Scotti M, Vardaka E & Sommer U (2016). Heterotrophic pico- and nano-flagellates: a food web within pelagic food webs. 41st CIESM Congress, Kiel, Germany, 12 – 16 September.
- Charalampous E, **Genitsaris S**, Moustaka-Gouni M & Sommer U (2016). Is size a master trait predicting phytoplankton responses to growth and loss factors? 41st CIESM Congress, Kiel, Germany, 12 – 16 September.
- Moustaka-Gouni M, Katsiapi M, Stefanidou N, Vardaka E, **Genitsaris S**, Kormas KA & Georgoulis F (2018). Restoration of two Greek Lakes (Kastoria and Koronia): Success stories? 14th Protection and Restoration of the Environment XIV, Thessaloniki, Greece, 3 – 6 July.
- **Genitsaris S**, Stefanidou N & Moustaka-Gouni M (2018). “Dirty Sea” phenomenon in Thessaloniki Bay: Plankton abettors and perpetrators. 14th Protection and Restoration of the Environment XIV, Thessaloniki, Greece, 3 – 6 July.
- Petala M, Tsiridis V, Androulidakis I, Makris Ch, Baltikas V, Stefanidou N, **Genitsaris S**, Antoniadou C, Rammou D, Moustaka-Gouni M, Chintiroglou CC & Darakas E (2018). Monitoring the marine environment of Thermaikos Gulf. 14th Protection and Restoration of the Environment XIV, Thessaloniki, Greece, 3 – 6 July.
- Moustaka-Gouni M, Katsiapi M, **Genitsaris S**, Stefanidou N, Papadimitriou T, Kormas KA, Polykarpou P & Vardaka S (2018). *Prymnesium parvum* blooms and fish-kills coincidences in Lake Karla: the “killer” alga as an emerging threat in Mediterranean inland waters. 3rd International Congress on Applied Ichthyology & Aquatic Environment, Volos, Greece, 8 – 11 November.

>25 publications/presentations in national conferences.

PUBLICATION IN A BOOK

Kagalou I, Kormas K, Papadimitriou T, Katsiapi M, **Genitsaris S** & Moustaka-Gouni M (2012). Greece: occurrence, monitoring and risk management of cyanobacteria and cyanotoxins. In Chorus I (ed) Current approaches to cyanotoxin risk assessment, risk management and regulations in different countries. Umweltbundesamt, Dessau – Rosslau, p 71 – 78.