

Sgardeli Vasiliki

Curriculum Vitae

Birth date/place: 18th April 1984, Thessaloniki, Greece
Current address: Aristofanous 13, 16674, Glyfada, Greece
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Studies

- 2015 PhD in Mathematical Ecology, Department of Biological Applications and Technology, University of Ioannina, Greece (distinction) (link: <https://www.didaktorika.gr/eadd/handle/10442/39425>)
- 2009 Master in Complexity Science, Complexity Science DTC, University of Warwick, UK (distinction)
- 2007 First degree, Physics, Aristotle University of Thessaloniki, Greece (grade 8.02/10)
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Scholarships

- 2011-2014 Scholarship for PhD studies in Greece from A.S. Onassis Public Benefit Foundation
- 2008-2009 Scholarship for Master studies in the UK from A.S. Onassis Public Benefit Foundation
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Professional experience

- since 09/2016 Postdoctoral researcher at Hellenic Center for Marine Research Institute of Marine Biological resources and inland waters (HCMR).
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Research projects

- 2016-to date Research in EU funded projects: «**DRuMFISH**, *Approaches to management for data-poor stocks in mixed fisheries*», «**MINOUW**, *Applying science, innovation and partnership to reduce discards in European fisheries*», «**CERES**, *Climate change and European aquatic RESources*», «**PANDORA**, *Paradigm for Novel Dynamic Oceanic Resource Assessments*», «**ODYSSEA**, “*OPERATING A NETWORK OF INTEGRATED OBSERVATORY SYSTEMS IN THE MEDITERRANEAN SEA*”, «**MAPAFISH-MED**, *Mapping of marine protected areas and their associated fishing activities: Mediterranean and Black Seas*», «**SEAWISE**, *shaping ecosystem based fisheries*

management», «**QualiTrain**, *Quality checking of Mediterranean & Black Sea data and training for Member State experts*», «**SPILLOVER-MED**, *Assessing spillover from marine protected areas to adjacent fisheries: Mediterranean and Black Seas*», «**Med&BS RDBFIS III** – *Hosting, maintenance and further development of the RDBFIS*». Also in two NSRF projects: “**MSFD** -*Monitoring and Recording of Greece’s Marine Sub-regions / Upgrade and Operational Update of the Monitoring Network*” and «**EPSAD 2024**, *National fisheries data collection project*».

**Stock
assessment
expert working
groups**

- 2025 **GFCM**, Scientific Advisory Committee on Fisheries (SAC) Working Group on Stock Assessment of Demersal Species (WGSAD), Rome, Italy, 8-12 and 15-19 December. *(report to be published)*
- 2025 **GFCM**, Subregional Committee for the Adriatic Sea (SRC-AS), May 13-15, FAO HQ, Rome, Italy (hybrid). *(report to be published)*
- 2025 **GFCM**, Ad-hoc Working Group on European Hake (WGHKE), Rome, Italy, 11-13 March (hybrid). *(report to be published)*
- 2024 **GFCM**, Scientific Advisory Committee on Fisheries (SAC) Working Group on Stock Assessment of Demersal Species (WGSAD), Rome, Italy, 9-14 December. <https://www.fao.org/gfcm/technical-meetings/detail/en/c/1736606/>
- 2023 **ICES**, Joint ICES-SEAwise workshop (WKEcoMSE). *ICES Scientific Reports*, 6, 72, 1-48. <https://doi.org/10.17895/ices.pub.26661457>
- 2023 **ICES**, Workshop (WKD3C3Scope). *ICES Scientific Reports*, 5, 87, 52pp. <https://doi.org/10.17895/ices.pub.23514930.v2>
- 2023 **GFCM**, Scientific Advisory Committee on Fisheries (SAC) Working Group on Stock Assessment of Demersal Species (WGSAD), Rome, Italy, 11-16 December. <https://www.fao.org/gfcm/technical-meetings/detail/es/c/1680537/>
- 2023 **GFCM**, Scientific Advisory Committee on Fisheries (SAC) Working Group on Stock Assessment of Demersal Species (WGSAD) - BENCHMARK ASSESSMENT OF DEEPWATER ROSE SHRIMP IN

- GSAs 12-16, 17, 18, 19 and 20, Rome, Italy, 20-24 February. <https://www.fao.org/gfcm/technical-meetings/detail/en/c/1641787/>
- 2022 **GFCM**, Scientific Advisory Committee on Fisheries (SAC) Working Group on Stock Assessment of Demersal Species (WGSAD), Rome, Italy (hybrid modality), 12-17 December 2022. <https://www.fao.org/gfcm/technical-meetings/detail/en/c/1635049/>
- 2022 **STECF 22-16**, Stock Assessments: demersal stocks in Adriatic, Ionian and Aegean Seas and straits of Sicily (STECF-22-16), Rome, Italy, 17-23 October. <https://doi.org/10.2760/25344>
- 2022 **GFCM**, Scientific Advisory Committee on Fisheries (SAC) Working Group on Stock Assessment of Demersal Species (WGSAD) - Central, Eastern Mediterranean and Adriatic Sea Stocks (WGSAD-C-E-AS), Rome, Italy, 24-29 January (Virtual meeting) <https://www.fao.org/gfcm/technical-meetings/detail/en/c/1506058/>
- 2021 **STECF 21-15**, Stock assessments in the Mediterranean Sea 2021 (Adriatic, Ionian and Aegean Seas), 18-22 November (Virtual meeting). <https://doi.org/10.2760/59806>
- 2018 **GFCM**, Scientific Advisory Committee on Fisheries (SAC) Working Group on Stock Assessment of Demersal Species (WGSAD), FAO headquarters, Rome, Italy, 19-24 November. <https://www.fao.org/gfcm/technical-meetings/detail/en/c/1190238/>
- 2017 **STECF 17-15**, Stock assessments in the Mediterranean Sea, Part II, JRC, Rome, Italy, 27 November - 3 December. <https://doi.org/10.2760/90316>
- 2017 **GFCM**, Scientific Advisory Committee on Fisheries (SAC) Working Group on Stock Assessment of Demersal Species (WGSAD), FAO headquarters, Rome, Italy, 13-18 November. <https://www.fao.org/gfcm/technical-meetings/detail/en/c/1105308/>

**Publications in
peer reviewed**

- 2026 Rindorf, A., Brown, E. J., Beukhof, E., Bitetto, I., Damalas, D., Depestele, J., Garcia, D., Kempf, A.,

journals

- Kraan, M., Reid, D., Savina-Rolland, M., **Sgardeli, V.**, Spedicato, M.T., Taylor, M., Vassilopoulou, V., Jacobsen, N.S. Do we have the knowledge to support the key concerns in European Ecosystem Based Fisheries Management? (*submitted*)
- 2026 Hogg, K., Calo, A., Carbonara, P., Claudet, J., Damalas, D., Di Lorenzo, M., Galli, S., Loiseau, C., Panayotova, M., Raytov, V., Russo, T., Sabatella, R., Scannella, D., Scianna, C., **Sgardeli, V.**, Stamouli, C., Vitale, S., & Di Franco, A. Small-scale fishers' perceptions and behavioural responses to marine protected areas implementation. *Journal of Environmental Management* (*submitted*).
- 2026 **Sgardeli, V.**, Papantoniou, G., Tsoukali, S., Liontakis, A., Tsagarakis, K., Vassilopoulou, V. Giannoulaki, M. (2025) Laying the foundation for Ecosystem Based Fisheries Management in the Eastern Ionian Demersal Fishery. *ICES Journal of Marine Science* (*accepted*)
- 2025 Papantoniou, G., **Sgardeli, V.**, Vassilopoulou, V., Tsagarakis, T. 2025. Investigating the potential impacts and interactive effects of climate warming and multi-gear fishing on the Eastern Ionian Sea ecosystem using EwE and ecological indicators. *Frontiers in Marine Science* 12, 1621603. <https://doi.org/10.3389/fmars.2025.1621603>
- 2025 Sailley, S.F., Catalan, I.A., Batsleer, J., Bossier, S., Damalas, D., Hansen, C., Huret, M., Engelhard, G., Hamon, K., Kay, S., Maynou, F., Nielsen, J. R., Ospina-Álvarez, A., Pinnegar, J., Poos, J.J., **Sgardeli, V.**, & Peck, M.A. Multiple models of European marine fish stocks: Regional winners and losers in a future climate. *Global Change Biology*. <https://doi.org/10.1111/gcb.70149>
- 2024 Giakoumi S, Hogg K, Di Lorenzo M, Compain N, Scianna C, Milisenda G, Claudet J, Damalas D, Carbonara P, Colloca F, Evangelopoulos A, Isajlović I, Karampetsis D, Ligas A, Marčeta B, Nenciu M, Nita V, Panayotova M, Sabatella R, Sartor P, **Sgardeli V**, Thasitis I, Todorova V, Vrgoč N, Scannella D, Vitale S, Di Franco A. Deficiencies in monitoring practices of marine protected areas in southern European seas, *Journal of Environmental Management*, 355, 120476.

<https://doi.org/10.1016/j.jenvman.2024.120476>

- 2023 Legaki, A., Chatzisprou, A., Damalas, D., **Sgardeli, V.**, Lefkaditou, E., Anastasopoulou, A., Dogrammatzi, A., Charalampous, K., Stamouli, C., Vassilopoulou, V., et al. Decline in Size-at-Maturity of European Hake in Relation to Environmental Regimes: A Case in the Eastern Ionian Sea. *Animals*, 2024, 14, 61. <https://doi.org/10.3390/ani14010061>
- 2022 **Sgardeli, V.**, Damalas, D., Liontakis, A., Maravelias, C.D., Mantopoulou-Palouka, D., Tserpes, G. The Aegean Sea demersal fishery under four climatic and socio-political futures. *Marine Policy*, 144, 105194. <https://doi.org/10.1016/j.marpol.2022.105194>
- 2021 Damalas, D., **Sgardeli, V.**, Vasilakopoulos, P., Tserpes, G., Maravelias, C., (2021). Evidence of climate-driven regime shifts in the Aegean Sea's demersal resources: A study spanning six decades. *Ecology and Evolution*, **11**, (16951-16971). <https://doi.org/10.1002/ece3.8330>
- 2021 Hamon, K.G., Kreiss C.M., Pinnegar J.K., Bartelings H., Batsleer J., Catalán I. A., Damalas D., Poos J., Rybicki S., Saille S.F., **Sgardeli V.**, Peck M. A., 2021. Future Socio-political Scenarios for Aquatic Resources in Europe: An Operationalized Framework for Marine Fisheries Projections. *Frontiers in Marine Science*, **8**, 578516. <https://doi.org/10.3389/fmars.2021.578516>
- 2020 Christou, M., **Sgardeli, V.**, Tsikliras, A.C., Tserpes, G., Stergiou, K.I. A probabilistic model that determines the social ecological system (SES) attributes that lead to successful discard management. *Rev Fish Biol Fisheries*, 30, (109-119). <https://doi.org/10.1007/s11160-020-09593-0>
- 2019 **Sgardeli, V.**, Tserpes, G., and C.D. Maravelias, Optimizing effort allocation in data poor mixed fisheries, *ICES Journal of Marine Science*, **76**, (1505-1514). <https://doi.org/10.1093/icesjms/fsz044>
- 2018 Avtzis, D.N., Stara, K., **Sgardeli, V.**, Betsis, A., Diamandis, S. *et al.* (2018) Quantifying the conservation value of Sacred Natural Sites. *Biological Conservation*, **222** (95-103). <https://doi.org/10.1016/j.biocon.2018.03.035>

- 2017 **Sgardeli, V.**, Iwasa, Y., Varvoglis, H. and J.M. Halley (2017) A forecast for extinction debt in the presence of speciation. *Journal of Theoretical Biology*, **415** (48-52). <https://doi.org/10.1016/j.jtbi.2016.11.004>
- 2015 **Sgardeli, V.**, Zografou, K. and J.M. Halley (2015) Climate change versus ecological drift: assessing 13 years of turnover in a butterfly community. *Basic and Applied Ecology*. <https://doi.org/10.1016/j.baae.2015.12.008>
- 2014 Halley, J.M., **Sgardeli, V.**, & K.A. Triantis (2014) Extinction debt and the species-area relationship: a neutral perspective. *Global Ecology and Biogeography*, **23** (113-123). <https://doi.org/10.1111/geb.12098>
- 2013 Halley, J.M., **Sgardeli, V.** and N. Monokrousos (2013) Species-area relationships and extinction forecasts. *Annals of the New York Academy of Sciences*, **1286** (50-61). <https://doi.org/10.1111/nyas.12073>
- 2013 Lazarina, M., **Sgardeli, V.**, Kallimanis, A. S., and S. P. Sgardelis (2013) An effort-based index of beta diversity. *Methods in Ecology and Evolution*, **4** (217-225). <https://doi.org/10.1111/2041-210x.12013>
- 2012 Varvoglis, H., **Sgardeli, V.** and M. Tsiganis (2012) Interaction of free-floating planets with a star-planet pair. *Celestial Mechanics and Dynamical Astronomy*, **113** (387-402). <https://doi.org/10.1007/s10569-012-9429-8>

Conferences

- 2025 ICES Annual Science Conference, Klaipeda University, Lithuania, 15-18 September 2025. (presentation by colleague)
- 2025 SEAwisE Symposium, Brussels, 30 June-3 July. (3 posters and 1 presentation)
- 2024 FishForum (Forum in Fisheries Science in the Mediterranean and the Black Sea), FAO headquarters, Antalya, Turkey, 19-23 February (2 presentations)
- 2018 FishForum (Forum in Fisheries Science in the Mediterranean and the Black Sea), FAO headquarters, Rome, Italy, 10-14 December (2 presentations)
- 2018 12th panhellenic symposium on oceanography and fisheries, Corfu, 30 May - 3 June (presentation)
- 2016 7th Congress of the Hellenic Ecological Society, Thessaloniki, 20-23 October (3 presentations)
- 2014 7th Congress of the Hellenic Ecological Society, Mytilene,

- (Lesvos island, Greece), 9-12 October (presentation)
- 2014 36th Congress of the Greek Association for Biological Sciences, Ioannina, 8-10 March (presentation)
- 2013 Seminar “Biodiversity and Climate change: current and future species distribution patterns”, Frederick Univeristy, Cyprus, 12 Semptember (presentation)

Seminars/Summer schools

- 2015 15th summer school in Conservation Biology, “Biodiversity theory and Practice”, Zagori, Greece (tutor)
- 2018 FLR/a4a Internship organized by the JRC. Ispra, Italy, 5-9 October
- 2018 2ndAdvanced school on Multispecies modeling Approaches for ecosystem based marine REsource management in the MEDiterranean Sea (AMARE-MED 2018). Trieste, 30 July - 3 August
- 2017 Statistics seminar: Data exploration, regression, GLM & GAM (with R software). Crete, 24-28 April
- 2008 21st summer school/conference “non linear science and complexity”, Athens, 21 July -2 August (attendance)
- 2006 19th summer school/conference “non linear science and complexity”, Thessaloniki, 10-22 July (attendance)
- 2005 18th summer school/conference “non linear science and complexity”, Volos, 18-30 July (attendance)
- 2004 17th summer school/conference “Complexity in science and society”, Patras, 14-26 July (attendance)

Teaching experience

- 2023-2024 Instructor of the course «Management of Marine Biological Resources» (summer semester), Department of Biology, University of Crete
- 2017 Σεμινάριο στη Μπαρσειανή Στατιστική, δια βίου μάθησης, Θεσσαλονίκη
- 2012-2015 Assistant tutor at “Biostatistics Lab”, Department of Biological Applications and Technology, University of Ioannina, Greece

Languages

- English Certificate of proficiency in English, University of Michigan (March 2001)
IELTS (March 2008)

PC skills

- Prog/ming R, Fotran, Matlab, Netlogo
MsOffice Word, Excel, Powerpoint
Other LaTeX, Beamer
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**Software and
models in
fisheries**

Stock assessment	SPiCT, a4a
Bio- economic	FLBEIA
Ecosystem	EcopathWithEcosim
Other	Maxent
