

CURRICULUM VITAE

SILVIA QUADRONI



MAIN INFORMATION

*Current position &
Qualifications*

Tenure-track researcher in ecology at the Department of Theoretical and Applied Sciences, University of Insubria, 21100 Varese (Italy)

National (Italian) scientific qualification as Associate Professor of Ecology

National (Italian) qualification as biologist

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<https://www.webofscience.com/wos/author/record/T-1972-2019>

<https://www.scopus.com/authid/detail.uri?authorId=24825325800>

<https://scholar.google.com/citations?user=vH7Im3gAAAAJ&hl=en>

https://www.researchgate.net/profile/Silvia_Quadroni

MAIN RESEARCH TOPICS

- ∞ *Applied ecology*
- ∞ *Freshwater ecology*
- ∞ *Ecohydraulics*
- ∞ *Ecotoxicology*

Since the beginning of my PhD in Environmental Sciences, I have been studying the environmental transport of persistent organic pollutants with a particular interest in the bioaccumulation of organochlorine compounds in lake trophic webs and in the consequent ecological and sanitary risk. Since 2011, I have been awarded with research grants in ecohydraulics by the University of Insubria. I am expert in river biocenosis and in the use of benthic macroinvertebrates as bioindicators to assess the impacts of hydro-morphological alterations due to water diversions and flushing of sediments from hydropower reservoirs. My current research project focuses on the collection of the information needed to improve water resource management from an ecological viewpoint. I am also interested in geometric-morphometrics applications to understand the phenotypic variability of cryptic species to address issues related to endemisms conservation, and in the application of entomopathogens to counteract the spread of invasive insect pests.

RESEARCH KEY-WORDS

ENVIRONMENTAL MONITORING, BIOMONITORING, BENTHIC MACROINVERTEBRATES, ALPINE STREAMS, REGULATED RIVERS, HYDRO-MORPHOLOGICAL ALTERATIONS, CONTROLLED SEDIMENT FLUSHING, ENVIRONMENTAL FLOWS, ECO-FRIENDLY MANAGEMENT OF WATER RESOURCES, LAKES, CONTAMINATION, PERSISTENT ORGANIC POLLUTANTS, ORGANOCHLORINE COMPOUNDS, FOOD WEBS, ECOLOGICAL RISK ASSESSMENT, HUMAN RISK ASSESSMENT, FISH, GEOMETRIC MORPHOMETRICS, BIOLOGICAL CONSERVATION, BIOLOGICAL INVASION, BIOLOGICAL CONTROL

MAIN EDUCATION

Research Doctorate in Environmental Sciences at the University of Insubria *Oct 2007-Dec 2010*

Master Degree Course in Biodiversity and Biological Evolution (Biology) at the University of Milan *Oct 2005-May 2007*

Bachelor Degree Course in Biological Sciences at the University of Milan *Sep 2002-Oct 2005*

MAIN WORK EXPERIENCE

Teacher of “Ecology”/“Applied Ecology” for the Bachelor Degree Course in Environmental and Natural Sciences, “Community and Population Ecology” for the Master Degree Course in Environmental Sciences, “Human ecology” for the Bachelor Degree Course in History and Stories of the Contemporary World” at the University of Insubria. *Since February 2024*

Post-doc researcher in ecology at the Department of Theoretical and Applied Sciences, University of Insubria. *Since April 2011*

Participation in the following main projects:

- 2006-2014 CIP AIS project “Investigation on DDT and other toxic compounds in Lake Maggiore ecosystem”
- 2007-2013 MIUR PRIN project “An integrated approach to conservation and management of European eel in the Mediterranean area”
- 2007-2013 INTERREG Italy-Switzerland project “Water use and conservation of the environment and biodiversity in the Adda, Mera, Poschiavino and Inn basins (ECOIDRO)”
- 2011-2013 CARIPLO project “Improvement of ecological, biological, and hydro-morphological conditions of the Tresa River. Restoration activities of the ecological corridor”
- 2015-2017 CARIPLO project “Improving biodiversity through ecological and river restoration activities and participated planning of payments for ecosystem services in the Parco Regionale Oglio Sud”
- 2019-2022 INTERREG Italy-Switzerland project “Water resources and aquatic environment management in the Mera River basin (GE.RI.KO)”
- 2019-2022 INTERREG Italy-Switzerland project “Lake Maggiore, Lower Ticino River and protected natural areas. Assessment and trial of sustainable and shared management scenarios (PARCHI VERBANO TICINO)”
- 2023-2025 MUR PRIN project “An interdisciplinary approach to study sediment Flushing operations from alpine reservoirs: Ecological, hydro-Morphological and Management Aspects (FluEMMA)”
- 2024-2025 PNRR NBFC “Trichoptera in the Italian Peninsula (Tric-It)” - Spoke 3 “Assessing and monitoring terrestrial and freshwater biodiversity and its evolution: from

- taxonomy to genomics and citizen science”
- 2025-2027 Veneto Region, Lombardy Region and Trento Province “Study on the status of the fish community of Lake Garda aimed to the sustainable management of fishing activity”

EDITOR & REVIEWER EXPERIENCE

Member of the Advisory Board of Ecological Indicators (Elsevier)

Member of the Editorial Board of Frontiers in Freshwater Science (Freshwater Species Evolution and Ecology) as review editor

Guest Editor of the Special Issues:

- “Monitoring and Management of Inland Waters” published by Environments (MDPI), see https://www.mdpi.com/journal/environments/special_issues/Inland_Waters
- “Hydropower: from Ecology to Policy” published by Frontiers in Environmental Science (Frontiers), see <https://www.frontiersin.org/research-topics/21677/hydropower-from-ecology-to-policy>
- “Effects of water level management on lake littorals and downstream rivers areas” published by Journal of Limnology (Page Press), see <https://www.jlimnol.it/jlimnol/issue/view/79>
- “Impact of hydrological and water quality changes on aquatic biodiversity” published by Regional Environmental Change (Springer Nature), see <https://link.springer.com/collections/jgfbdefaea>

Member of the Technical/Scientific Committee for:

- “1st International Conference on Sustainable Energy-Water-Environment Nexus in Desert Climate (IC-SEWEN19)”, Qatar, 2-5/12/2019
- “2nd Euro-Mediterranean Conference for Environmental Integration (EMCEI)”, Sousse, 10-13/10/2019
- “3rd Water Energy Nexus Conference” – online, 2-4/12/2020
- “3rd Euro-Mediterranean Conference for Environmental Integration (EMCEI)”, Sousse, 10-13/6/2021
- “4th International Symposium on Water Resource and Environmental Management (WREM 2021)”, Sanya, China, 10-11/12/2021
- “39th International Association for Hydro-environment Engineering and Research (IAHR) World Congress 2022”, Granada, 19-24/6/2022
- “4th Euro-Mediterranean Conference for Environmental Integration (EMCEI)”, Sousse, 1-4/11/2022
- “5th Euro-Mediterranean Conference for Environmental Integration (EMCEI)”, Rende (Cosenza), 2-5/10/2023
- “7th International Symposium on Water Resource and Environmental Management (WREM)”, Zhejiang University (Zhoushan Campus), China, 6-7/12/2024
- “8th International Symposium on Water Resource and Environmental Management (WREM)”, Zhenjiang, China, 19-21/9/ 2025

Reviewer for the following journals:

- ✓ African Journal of Ecology (John Wiley & Sons, Ltd)
- ✓ AIMS Environmental Science (AIMS Press)
- ✓ Biology and Environment (Royal Irish Academy)
- ✓ Chemosphere (Elsevier)
- ✓ Ecohydrology & Hydrobiology (Elsevier)

- ✓ Ecological Indicators (Elsevier)
- ✓ Ecology and Evolution (John Wiley & Sons, Ltd)
- ✓ Ecotoxicology and Environmental Safety (Elsevier)
- ✓ Environmental Health (BMC)
- ✓ Environmental Monitoring and Assessment (Springer)
- ✓ Environmental and Sustainability Indicators (Elsevier)
- ✓ Environmental Research (Elsevier)
- ✓ Estuarine, Coastal and Shelf Science (Elsevier)
- ✓ The European Zoological Journal (Taylor & Francis Online)
- ✓ Foods (MDPI)
- ✓ Frontiers in Earth Science (Frontiers)
- ✓ Frontiers in Ecology and Evolution (Frontiers)
- ✓ Frontiers in Environmental Science (Frontiers)
- ✓ Frontiers in Freshwater Science (Frontiers)
- ✓ Hydrobiologia (Springer)
- ✓ Hydrobiology (MDPI)
- ✓ Inland Waters (Taylor & Francis Online)
- ✓ International Journal of Environmental Research and Public Health (MDPI)
- ✓ Lake and Reservoir Management (Taylor & Francis)
- ✓ Journal of Applied Ecology (John Wiley & Sons, Ltd)
- ✓ Journal of Cleaner Production (Elsevier)
- ✓ Journal of Environmental Management (Elsevier)
- ✓ Journal of Limnology (PagePress)
- ✓ Materials (MDPI)
- ✓ River Research and Applications (John Wiley & Sons, Ltd)
- ✓ Science of the Total Environment (Elsevier)
- ✓ Scientific Reports (Springer Nature)
- ✓ Sri Lankan Journal of Technology (SEUSL)
- ✓ Sustainability (MDPI)
- ✓ The European Zoological Journal (Taylor & Francis)
- ✓ Water (MDPI)
- ✓ Water Research (Elsevier)

CONFERENCES, SYMPOSIA & CONGRESSES CONTRIBUTIONS

Donello G., Servanzi L., Quadroni S. Evaluation of the effects of a controlled sediment flushing operation on the functional trophic groups of the benthic macroinvertebrate community of an Alpine stream. *BIODIV2025*, 6-7/11/2025, Verbania. (Poster)

Quadroni S., Servanzi L., Crosa G., Pisaturo G.R., Righetti M., Imbalzano G., Talluto N., Doretto A., Espa P. Field assessment of fine sediment dynamics in an alpine stream after controlled sediment release from a hydropower reservoir. *3rd International Conference on Sustainability in Hydropower*, 2-5/9/2025, Wien. (Oral Presentation)

Quadroni S., Servanzi L., Crosa G., Pisaturo G.R., Imbalzano G., Righetti M., Talluto N., Doretto A., Espa P. Hydro-morphological and ecological impact of a controlled sediment flushing operation from an Alpine reservoir. *4th Symposium for European Freshwater Sciences*, 20-25/7/2025, Bolu, Türkiye. (Attendance & Oral Presentation)

Other contributions for the same congress:

Doretto A., Quadroni S., Servanzi L., Crosa G., Pisaturo G.R., Imbalzano G., Righetti M., Espa P., Talluto N. Post-flood recovery of benthic macroinvertebrate communities in an Alpine river. (Oral Presentation)

Quadroni S., Antognazza C.M., Lodovici O., Valle M., Zaccara S. Trichoptera endemisms in the Italian peninsula: integrating genetic and morphological analyses. (Poster)

Crosa G., Doretto A., Espa P., Pisaturo G.R., Quadroni S., Righetti M., Servanzi L., Stradiotti G., Talluto N. Un approccio interdisciplinare per studiare le operazioni di svasso di serbatoi alpini: aspetti ecologici, idromorfologici e operativi (FluEMMA). *XXXIX Convegno Nazionale di Idraulica e Costruzioni Idrauliche*, 15-18/9/2024, Parma. (Poster)

Buffagni A., Cazzola M., Erba S., Demartini D., Armanini D.G., Cislighi S., Quadroni S. Are endemic mayflies of Sardinia Island vulnerable to extinction due to habitat and climate related changes? *International Joint Meeting on Ephemeroptera and Plecoptera*, 21-26/7/2024, Torino. (Oral Presentation)

Co-organizer of the special session SS6 “Biodiversity and Habitat in fluvial ecosystems” - *XXVIII Congresso della Associazione Italiana di Oceanologia e Limnologia*, 24-28/6/2024, Lecco.

Quadroni S., Erba S., Cazzola M., Cislighi S., Buffagni A. Flow-related habitat variability of Mediterranean rivers and its effect on ecological status assessment: A 70-year perspective for benthic macroinvertebrates of a Sardinian river system (Southwestern Italy) (Attendance & Oral Presentation)

Other contributions for the same congress:

Quadroni S., Espa P., Servanzi L., Crosa G., Pisaturo G.R., Stradiotti G., Righetti M., Talluto N., Doretto A. FluEMMA – An interdisciplinary project to investigate ecological, hydro-morphological and management aspects of sediment flushing operations from Alpine reservoirs. (Poster)

Iaia M., Quadroni S., Brignone S., De Santis V., Righi T., Tamborini D., Tersigni A., Piccinini A., Puzzi C., Bettinetti R., Volta P. Assessment of the effectiveness and efficiency of two fish passages in the Toce River. (Oral Presentation)

Doretto A., Talluto N., Crosa G., Espa P., Servanzi L., Quadroni Q. A new biomonitoring index for evaluating the effects of sediment flushing operations in alpine streams. (Oral Presentation)

Doretto A., Bona F., Fenoglio S., Crosa G., Espa P., Quadroni S. 2023. Evaluating the impacts of sediment flushing operations in alpine streams with benthic macroinvertebrates. *XXXII Congresso della Società Italiana di Ecologia*, 6-8/9/2023, Catania. (Oral Presentation)

Quadroni S., Servanzi L., Crosa G., Espa P. 2023. Hydro-morphological and ecological effects of a sediment pulse in a regulated Alpine river developed for hydropower. *15° International Symposium on River Sedimentation ISRS 23*, 5-8/9/2023, Firenze. (Oral Presentation)

Quadroni S., Servanzi L., Antognazza C.M., Zaccara S., Crosa G. 2023. Valutazione degli effetti delle variazioni dei livelli sul sistema fiume attraverso nuovi indicatori. *Workshop “Per una regolazione sostenibile del Lago Maggiore”*, 12/7/23, Cameri. (Attendance & Oral Presentation)

Quadroni S., Antognazza C.M., Crosa G., Zaccara S., Servanzi L., Espa P. 2023. From minimum flow to ecological flow in a lowland Italian river: Considerations on ecological targets. *Symposium for European Freshwater Science SEFS 13*, 18-23/6/2023, Newcastle Upon Tyne. (Attendance & Oral Presentation)

Quadroni S., Salmaso F., Crosa G., Gentili G., Servanzi L., Espa P. 2022. Towards an upgrading of minimum flows: The ecological effects of summer low flows in a regulated lowland river - *14th International Symposium on Ecohydraulics*, 10-14/10/2022 Nanjing (China) - online. (Attendance, Extended abstract & Oral Presentation)

Quadroni S., Doretto A., Salmaso F., Servanzi L., Crosa G., Espa P. 2022. What does it Happen to Mesohabitats of an Upland Stream after a Controlled Sediment Flushing Operation? - *39th IAHR World Congress*, 19-24/6/2022 Granada (Spain). (Attendance, Article & Oral Presentation)

Quadroni S., Salmaso F., Espa P., Vanetti I., De Santis V., Zaccara S., Crosa G. 2021. Gli effetti ecologici di un evento estremo di sedimentazione su un fiume alpino regolato: la frana del Pizzo Cengalo e il fiume Mera. *Workshop “Lo Scienziato Ambientale: sfide ed opportunità nel mondo del lavoro e della scienza”*, 3/2/2021 Varese. (Attendance, Article & Oral Presentation)

Other contribution for the same conference:

De Santis V., Quadroni S., Vanetti I., Salmaso F., Zaccara S., Crosa G. 2021. Evoluzione e conservazione di

specie endemiche in ambienti acquatici mediante approcci multidisciplinari. (Article & Oral Presentation)

Doretto A., Bona F., Piano E., Marino A., Quadroni S., Fenoglio S. 2022. A new biomonitoring index based on benthic macroinvertebrates to assess the effects of sediment flushing operations from reservoirs. *Joint Aquatic Sciences Meeting 2022*, 14-20/5/2022, Grand Rapids, Michigan. (Abstract & Oral Presentation)

Boggero A., Mezzanotte V., Fornaroli R., Doretto A., Quadroni S., Zaccara S., Espa P., Crosa G. 2021. Promoting integrated investigation of the impacts of dam operation on reservoirs and downstream rivers to develop ecosystem-based management-criteria. *5th International Conference on Water Resources and Wetlands*, 8-12/9/2021, Tulcea, Romania. (Abstract & Poster)

Quadroni S., Salmaso F., Crosa G., Espa P. 2021. An extraordinary research opportunity from an extraordinary sedimentation event. *XXV Congresso della Associazione Italiana di Oceanologia e Limnologia*, 30/6-2/7/2021 – online congress. (Attendance, Abstract & Oral Presentation)

Other contributions for the same congress:

Doretto A., Bona F., Piano E., Marino A., Quadroni S., Fenoglio S. 2021. Siltation and stream macroinvertebrates: from the community response to the development of a stressor-specific biomonitoring index. (Abstract & Oral Presentation)

De Santis V., Quadroni S., Britton R.J., Carosi A., Vanetti I., Gutmann Roberts C., Lorenzoni M., Crosa G., Zaccara S. 2021. Diversity of the Italian fluviolacustrine barbels threatened by the invasion of the European barbel. (Abstract & Oral Presentation)

De Santis V., Gutmann Roberts C., Britton J.R., Crosa G., Carosi A., Lorenzoni M., Quadroni S., Zaccara S. 2021. Trophic impacts of hybridization following *Barbus barbus* L. (Pisces: Cyprinidae) invasion in Italian rivers. *Covid Interlude 11.5 - Applications of Stable Isotope Techniques to Ecological Studies 2.5-day Virtual Meeting*, 19-21/5/2021. (Abstract & Oral Presentation)

Zaccara S., Quadroni S., De Santis V., Vanetti I., Carosi A., Lorenzoni M. 2019. Isolation of southern Italian basins promoted genetic and morphologic variability in fluvio-lacustrine barbel populations (Osteichthyes, Cyprinidae). *11th Symposium for European Freshwater Sciences (SEFS11)*, 6/30-7/5/2019, Zagreb. (Abstract & Oral Presentation)

Salmaso F., Espa P., Batalla R.J., Crosa G., Gentili G., Servanzi L.M., Quadroni S. 2017. Water Management and Related Environmental Issues in Large Mediterranean Basins: Case Studies from the Ebro and the Po Catchments. *1st Euro-Mediterranean Conference for Environmental Integration*, 11/22-25/2017, Sousse. Published in: *Euro-Mediterranean Conference for Environmental Integration*. Springer, Cham., pp. 759-761. (Attendance, Article & Oral Presentation)

Quadroni S., Crosa G., Zaccara S., Espa P., Brignoli M.L., Gentili G., Batalla R. 2017. Controlling sediment flushing to mitigate downstream environmental impacts. *13th International Symposium on River Sedimentation*, 9/19-22/2016, Stuttgart. Published in: *River Sedimentation* – Wieprecht et al. (Eds), Taylor & Francis Group, London, ISBN 978-1-138-02945-3 (Attendance, Article & Oral Presentation)

Other contribution for the same symposium:

Brignoli M.L., Espa P., Quadroni S., Crosa G., Gentili G., Batalla R.J. 2017. Experiences of controlled sediment flushing from four Alpine reservoirs. (Article & Oral Presentation)

Vanetti I., Quadroni S., Carosi A., La Porta G., Lorenzoni M., Zaccara S. 2017. Diversification and distribution of Barbel species in central Italy: a combined morphological and genetic approach. *7th Congress of the Italian Society for Evolutionary Biology (SIBE)*, 8/28-31/2017, Roma. (Abstract & Oral Presentation)

Quadroni S., Crosa G., Gentili G., Espa P. 2016. Hydropower use and ecological quality of streams in the central Italian Alps: Current status and future challenges. *NET-SCARCE International Conference "Rivers under water scarcity: threats and challenges"*, 11/15-16/2016, Barcelona. (Attendance, Abstract & Oral Presentation)

Quadroni S., Brignoli M.L., Crosa G., Gentili G., Salmaso F., Zaccara S., Espa P. 2016. Towards an eco-

friendly management of sediment flushing from Alpine reservoirs. *1° Congresso Congiunto SITE-UZI-SIB*, 8/30-9/2/2016, Milano. (Attendance, Abstract & Poster)

Other contribution for the same congress:

Vanetti I., Quadroni S., Malaggi F., Spettoli O., Gentili G., Crosa G., Zaccara S. 2016. Genetic and phenotypic features of barbel population (Osteichthyes: Cyprinidae) in Oglio Sud Regional Park. (Abstract & Poster)

Organizer of the Conference “*Miglioramento delle condizioni ecologiche, biologiche ed idro-morfologiche del Fiume Tresa - Interventi di deframmentazione del corridoio ecologico*”, 3/6/2015, Luino.

Brignoli M.L., Espa P., Quadroni S., Torretta V., Ionescu G. 2015. Environmental impact of reservoir desilting operation. *U.P.B. Sci. Bull., Series D 77(2)*, 257-270. (Article & Oral Presentation)

Quadroni S., Crosa G., Espa P., Gentili G., Zaccara S. 2014. Eco-hydraulic survey of streams and rivers highly exploited for hydropower in the Central Italian Alps. *10th International Symposium on Ecohydraulics*, 6/23-27/2014, Trondheim. (Attendance, Article & Oral Presentation)

Quadroni S., Salmaso F., Zaccara S., Espa P., Gentili G., Crosa G. 2014. Minimum Flow from the mountain to the plain: the case-study of the Adda river. *XXIV Congresso della Società Italiana di Ecologia*, 9/15-17/2014, Ferrara. (Attendance, Abstract & Oral Presentation)

Other contributions for the same congress:

Quadroni S., Sugni M., Berera P., Udovic M. 2014. Villa Carlotta, mesocosmo per educare alla sostenibilità. (Abstract & Poster)

Salmaso F., Quadroni S., Crosa G., Soana E., Bartoli M. 2014. N budget in the Adda watershed: differences between upland and lowland sub-basins. (Abstract & Oral Presentation)

Bettinetti R., Quadroni S., Galassi S. 2014. Apporti diretti e diffusi dei DDT e dei PCB nel sottobacino comasco del Lario. (Abstract & Poster)

Bartoli M., Soana E., Laini A., Nizzoli D., Pinardi M., Racchetti E., Gardi C., Viaroli P., Acutis M., Salmaso F., Quadroni S., Crosa G., et al. 2014. Cross comparison of nitrogen sources, sinks and transport within river basins: the Italian Nitrogen Network initiative (INN). (Abstract & Oral Presentation)

Bettinetti R., Quadroni S., Debernardi P., Garzoli L., Marchetto A., Patriarca E. 2014. Organochlorine residues in guano of long-fingered bats (*Myotis capaccinii*) from Lake Maggiore (NW Italy). *IX Congresso Italiano di Teriologia*, 5/7-10/2014, Civitella Alfedena. Published in: *Hystrix - the Italian Journal of Mammology* 25 (Supplement), 90. (Abstract & Poster)

Piscia R., Boggio E., Manca M., Galassi S., Quadroni S., Bettinetti R. 2013. Transfer of pollutants in lacustrine food webs: crustacean zooplankton as solely primary consumer? *Symposium for European Freshwater Sciences*, 7/1-5/2013, Münster. (Abstract & Oral Presentation)

Espa P., Brignoli L.M., Previde Prato A., Crosa G., Quadroni S., Gentili G. 2012. Rimozione di sedimenti per fluitazione controllata dal serbatoio di Sernio: studio del trasporto solido a valle dello sbarramento. *XXXIII Convegno Nazionale di Idraulica e Costruzioni Idrauliche*, 9/10-15/2012, Brescia. (Article & Oral Presentation)

Espa P., Brignoli L.M., Crosa G., Gentili G., Previde Prato A., Quadroni S. 2012. Field investigation of controlled sediment flushing at Sernio pondage. *9th International Symposium on Ecohydraulics*, 9/17-21/2012, Wien. (Attendance, Article & Oral Presentation)

Quadroni S., Leoni B., Bettinetti R., Galassi S., Garibaldi L. 2010. Ogni cosa deve finire da qualche parte: il caso del DDT nel Lago d’Iseo. *XX Congresso della Società Italiana di Ecologia*, 9/27-30/2010, Roma. (Abstract & Oral Presentation)

Vignati D.A.L., Galassi S., Dominik J., Pettine M., Quadroni S., Ferrari B.J.D. 2010. Chromium (III) in ecotoxicological culture media: behaviour and implications for toxicity. *20th SETAC*, 5/23-27/2010, Seville. (Abstract, Short Communication & Poster)

Quadroni S., Bettinetti R., Capoccioni F., Ciccotti E., Galassi S. 2009. Valutazione dell'uso di specie ittiche per il biomonitoraggio degli inquinanti organici persistenti nelle acque. *XIX Congresso della Società Italiana di Ecologia*, 9/15-18/2009, Bolzano. (Attendance, Article & Poster)

Quadroni S., Galassi S., Bettinetti R., Capoccioni F., Ciccotti E., De Leo G.A. 2009. Ecological and sanitary risk associated with organochlorine compound bioaccumulation in populations of *Anguilla anguilla* from Mediterranean coastal waters. *2nd International CEMEPE and SECOTOX Conference*, 6/21-26/2009, Mykonos, Vol.1, 33-38. (Attendance, Article & Oral Presentation)

Other contribution for the same conference:

Bettinetti R., Quadroni S., Galassi S. 2009. Ecotoxicity of a point source pollution of Lake Como (Northern Italy). Vol.1, 27-31. (Article & Poster)

Bettinetti R., Galassi S., Pontiggia G., Quadroni S., Volta P. 2009. Modelli semplici e sistemi complessi. *XIX Congresso della Società Italiana di Ecologia*, 9/15-18/2009, Bolzano. (Abstract & Oral Presentation)

Quadroni S., Bettinetti R., Ciccotti E., De Leo G.A., Galassi S. 2008. Contaminazione da POP (*Persistent Organic Pollutants*) in due popolazioni di anguilla (*Anguilla anguilla* L., 1758) del Mediterraneo. *XVIII Congresso della Società Italiana di Ecologia*, 9/1-3/2008, Parma. (Attendance, Article & Oral Presentation)

Galassi S., Bettinetti R., Quadroni S., Bernasconi S., Tartari G.A. 2008. Application of Toxicity Identification Evaluation (TIE) Procedures on Drinking Water. *2nd EuCheMS Chemistry Congress*, 9/16-20/2008, Torino. (Abstract & Poster)

Bettinetti R., Quadroni S., Galassi S. 2008. Ecological and sanitary risk assessment: the DDE case study. *Study-day "Sulle orme di Davide Calamari"*, 5/23/2008, Varese. (Attendance, Abstract & Oral Presentation)

Quadroni S., Volta P., Bettinetti R., Galassi S. 2007. A dieci anni dall'emergenza DDT nel lago Maggiore: una proposta di "standard di qualità. *XVII Congresso della Società Italiana di Ecologia – XVIII Congresso Nazionale AIOL*. 9/17-20/2007, Ancona. (Attendance, Abstract & Poster)

PUBLICATIONS IN PEER-REVIEWED JOURNALS

Mastore M., Broggio E., Banfi D., Machado R.A.R., Bhat A.H., Kallel S., Reguzzoni M., Quadroni S., Brivio M.F. 2025. Evaluation of the Insecticidal Potential of *Lysinibacillus fusiformis* Against *Drosophila suzukii* Larvae. *Insects*, 16, 1090. <https://doi.org/10.3390/insects16111090>

Quadroni S., Stradiotti G., Servanzi L., Crosa G., Espa P., Pisaturo G.R., Imbalzano G., Righetti M., Talluto N., Doretto A. 2025. An overview of controlled sediment flushing operations: Perception, issues and management strategies across the European Alps. *Journal of Hydrology: Regional Studies* 60, 102570. <https://doi.org/10.1016/j.ejrh.2025.102570>

Iaia M., Quadroni S., Brignone S., Piccinini A., Bettinetti R., Volta P. 2025. Assessment of the effectiveness and efficiency of two fishways with vertical slot openings in an Alpine River (Toce River, northern Italy). *Ecological Engineering* 212, 107535. <https://doi.org/10.1016/j.ecoleng.2025.107535>

Quadroni S., Cesarini G., De Santis V., Galafassi S. 2024. Interconnected impacts of water resource management and climate change on microplastic pollution and riverine biocoenosis: A review by freshwater ecologists. *Journal of Environmental Management* 372, 123363. <https://doi.org/10.1016/j.jenvman.2024.123363>

Quadroni S., Servanzi L., Crosa G., Espa P. 2024. Two-year assessment of the effects of controlled sediment flushing on stream habitats and biota at reach scale. *Scientific Reports* 14(1), 21048. <https://doi.org/10.1038/s41598-024-72015-9>

Bettinetti R., Piscia R., Manca M., Galassi S., Quadroni S., Dossi C., Perna R., Boggio E., Boldrocchi G., Mazzoni M., Villa B. 2023. Dataset of Contamination (2009–2022) Legacy Contaminants (PCB and DDT) in Zooplankton of Lake Maggiore (CIPAIS, International Commission for the Protection of Italian-Swiss Waters). *Data* 8(10), 152. <https://doi.org/10.3390/data8100152>

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- *Web of Science*: 60 documents, 941 citations, 19 h-index
- *Scopus*: 62 documents, 1043 citations, 19 h-index
- *Google Scholar*: 91 documents, 1357 citations, 24 h-index

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