

Short CV

Andrea Gandolfi



Researcher

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Research activity

Conservation Genetics of endemic freshwater fish fauna (*Salmo*, *Thymallus*, *Esox*, *Barbus*)

Research interests

Conservation Genetics, Population Genetics, Evolutionary Ecology

Education and training

2004-present: Researcher, Istituto Agrario di San Michele all'Adige, now Fondazione Edmund Mach.
2002–2004: Post-Doc, Lab. of Molecular Genetics, Istituto Agrario di San Michele all'Adige (TN), Italy.
2000–2002: Post-Doc, Dipartimento di Scienze Ambientali, Università degli Studi di Parma, Italy.
1995–1999: PhD in Ecology, Dipartimento di Scienze Ambientali, Università degli Studi di Parma, Italy.
1995: Research assistant, Department of Genetics, University of Leeds, UK.
1989–1995: Degree in Biological Sciences (5 years), Istituto di Ecologia, Università degli Studi di Parma, Italy.

Selected publications

- Gratton P, Allegrucci G, Sbordon V, **Gandolfi A** (2014) The evolutionary jigsaw puzzle of the surviving trout (*Salmo trutta* L. complex) diversity in the Italian region: a multilocus Bayesian approach. *Molecular Phylogenetics and Evolution* 79: 292-304. DOI: [10.1016/j.ympev.2014.06.022](https://doi.org/10.1016/j.ympev.2014.06.022)
- Meraner A, Cornetti L and **Gandolfi A** (2014) Defining conservation units in a stocking-induced genetic melting pot: unraveling native and multiple exotic genetic imprints of recent and historical secondary contact in Adriatic grayling. *Ecology and Evolution* 4: 1313-1327. DOI: [10.1002/ece3.931](https://doi.org/10.1002/ece3.931)
- Meraner A, **Gandolfi A** (2013) Conservation Genetics of Freshwater Fishes with special emphasis on Northern Adriatic Salmonids (Genetica di conservazione dell'ittiofauna d'acqua dolce con particolare attenzione ai salmonidi del Nord-Adriatico). *Journal of Freshwater Biology – Quaderni ETP*, 35: 37-44.
- Meraner A, Venturi A, Ficetola G F, Rossi S, Candiotto A, **Gandolfi A** (2013) Massive invasion of exotic *Barbus barbus* and introgressive hybridization with endemic *Barbus plebejus* in Northern Italy: where, how and why? *Molecular Ecology* 22: 5295-5312. DOI: [10.1111/mec.12470](https://doi.org/10.1111/mec.12470)
- Meraner A, Unfer G, **Gandolfi A** (2013) Good news for conservation: mitochondrial and microsatellite DNA data detect limited genetic signatures of inter-basin fish transfer in *Thymallus thymallus* (Salmonidae) from the Upper Drava River. *Knowledge and Management of Aquatic Ecosystems* 409: 01. DOI: [10.1051/kmae/2013046](https://doi.org/10.1051/kmae/2013046)
- Gratton P, Allegrucci G, **Gandolfi A**, Sbordon V (2013) Genetic differentiation and hybridization in two naturally occurring sympatric trout *Salmo* spp. forms from a small karstic Italian lake. *Journal of Fish Biology* 82: 637-657. DOI: [10.1111/jfb.12022](https://doi.org/10.1111/jfb.12022)
- Meraner A, Gratton P, Baraldi F, **Gandolfi A** (2013) Nothing but a trace left? Autochthony and conservation status of Northern Adriatic *Salmo trutta* inferred from PCR multiplexing, mtDNA control region sequencing and microsatellite analysis. *Hydrobiologia* 702: 201-213. DOI: [10.1007/s10750-012-1321-8](https://doi.org/10.1007/s10750-012-1321-8)
- Meraner A, **Gandolfi A** (2012). Phylogeography of European grayling, *Thymallus thymallus* (Actinopterygii, Salmonidae), within the Northern Adriatic basin: evidence for native and exotic mitochondrial DNA lineages. *Hydrobiologia* 693: 205-221. DOI: [10.1007/s10750-012-1109-x](https://doi.org/10.1007/s10750-012-1109-x)