

Maria Valeria Ruggiero



Born in Naples (Italy) on 05/05/1972

Tel.: +39 081 5833212

Fax: +39 081 7641355

e-mail: mariavaleria.ruggiero@szn.it

Current Position: Post Doc

Supervisor: Gabriele Procaccini

Appointed on project: RITMARE

Affiliation:

Section IME, Stazione Zoologica Anton Dohrn, Napoli (Italy)

Education/Training/Experience

Institute and Location	Degree / Function	Year	Field of Study
Department of Zoology, University of Naples “Federico II”, Naples, Italy	Master (Laurea)	1991-1998	Biological sciences
Laboratory of Benthic Ecology, Stazione Zoologica Anton Dohrn, Naples, Italy	CNR Fellowship	1999-2000	Population genetics of marine angiosperms
Laboratory of Benthic Ecology, Stazione Zoologica Anton Dohrn, Naples, Italy	Ph.D.	2000-2004	Population genetics of marine angiosperms
Laboratory of plant genetics and evolution, University of Lille, France	Postdoc	2005-2006	Evolutionary genetics of mating systems in <i>Arabidopsis</i> spp.
Laboratory of Marine Botany, Stazione Zoologica Anton Dohrn, Naples, Italy	Postdoc	2009-2012	Diversity and evolution in the diatom genus <i>Pseudo-nitzschia</i>
Laboratory of Marine Botany, Stazione Zoologica Anton	Postdoc	2013-to date	Genetic population structure in the pennate

Dohrn, Naples, Italy			diatom <i>Pseudo-nitzschia multistriata</i> .
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Other matters relevant to scientific career

Member of the Italian Society for Evolutionary Biology (SIBE)

Publications

Author of 14 publications on ISI-journals

List of publications of the last 10 years

Journal Papers

- Ruggiero MV, Reusch TBH and Procaccini G (2005). Local genetic structure in a clonal dioecious angiosperm. *Mol. Ecol.*, 14: 957–967
- Ruggiero M.V., Capone S, Pirozzi P, Reusch TBH and Procaccini G (2005). Mating system and clonal architecture: a comparative study in two marine angiosperms. *Evol. Ecol.*, 19: 487-499
- Ruggiero MV, Jacquemin B, Castric V and Vekemans X (2008). Hitch-hiking to a locus under balancing selection: high sequence diversity and low population subdivision at the S-Locus genomic region in *Arabidopsis halleri*. *Genet. Res.*, 90:37-46
- Zapata M, Rodriguez F, Fraga S, Barra L, Ruggiero MV (2011). Chlorophyll C Pigment patterns in 18 species (51 strains) of the genus *Pseudo-nitzschia* (Bacillariophyceae). *J Phycol.*, 47:1274-1280
- Roux C, Pauwels M, Ruggiero MV, Charlesworth D, Castric V and Vekemans X (2013). Recent and ancient signature of balancing selection around the S-locus in *Arabidopsis halleri* and *A. lyrata*. *Mol. Biol. Evol.*, 30:435-47
- Barra L, Ruggiero MV, Sarno D, Montresor M and Kooistra WHCF (2013). Strengths and weaknesses of microarray approaches to detect *Pseudo-nitzschia* species in the field. *Environ. Sci. Pollut. R.*, 20:6705-6718
- Lamari N, Ruggiero MV, d’Ippolito G, Kooistra WHCF, Fontana A, Montresor M. (2013). Specificity of Lipoxygenase Pathways Supports Species Delineation in the Marine Diatom Genus *Pseudo-nitzschia*. *PLoS ONE* 8(8): e73281. doi:10.1371/journal.pone.0073281
- Barra L, Ruggiero MV, Chen J, Kooistra WHCF (2014). Specificity of LSU rRNA-targeted oligonucleotide probes for *Pseudo-nitzschia* species tested through dot-blot hybridisation. *Environ. Sci. Pollut. R.*, 21:548-57
- Smida B, Lundholm N, Kooistra WHCF, Sahraoui I, Ruggiero MV, Kotaki Y, Ellegaard M, Lambert C, Mabrouk HH, Hlaili AS (2014). Morphology and molecular phylogeny of *Nitzschia bizertensis* sp. nov. - a new domoic acid-producer. *Harmful Algae*, 32: 49-63
- Ruggiero MV, Sarno D, Barra L, Kooistra WHCF, Montresor M and Zingone A (2015). Diversity and temporal pattern of *Pseudo-nitzschia* species (Bacillariophyceae) through the molecular lens. *Harmful Algae*, 42:15-24