

## <Domenico D'Alelio>



Born in <Cernusco sul Naviglio> (<Italy>) on 01/11/1976

Tel.: +39 081 5833323

Fax: +39 081 7641355

e-mail: dalelio@szn.it

Skype: freedomingo

**Current Position:** <Post Doc >

Supervisor: <Maurizio Ribera d'Alcalà>

Appointed on project: <RITMARE>

### **Affiliation:**

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

### **Education/Training/Experience**

<b>Institute and Location</b>	<b>Degree / Function</b>	<b>Year</b>	<b>Field of Study</b>
Università degli Studi Parthenope, Naples, Italy	Master (Laurea)	1996-2003	Marine Environmental Sciences
Stazione Zoologica Anton Dohrn, Naples, Italy	Graduated studentship	2004-2005	Culturing of marine microalgae
Stazione Zoologica Anton Dohrn, Naples, Italy - University of Messina, Messina, Italy	Ph. D.	2005-2008	Diatom life cycle and population biology
Seconda Università di Napoli, Caserta, Italy	Postdoc	2008-2009	Diatom community ecology
Fondazione Edmund Mach, S. Michele all'Adige, Italy	Postdoc	2009-2012	Microbiology, Cyanobacteria ecology and evolution
Stazione Zoologica Anton Dohrn, Naples, Italy	Postdoc	2013-	Plankton ecology, evolution and food-web

### **Appointments and awards**

2008: Winner of the "Lina Rizzo" fund for studies on plankton (Accademia Nazionale dei Lincei, Rome, Italy)

2009: Winner of the "Marchetti Award", Italian Ecological Society

2011: Best paper by a young scientist, Italian Association of Limnology and Oceanology

2011-ongoing: Scientific collaborator of Istituto Superiore di Sanità (Italian Institute of Health) as an expert in tools for the molecular detection of toxic cyanobacteria in water resources

### **Other matters relevant to scientific career**

Member of the Association for the Studies of Limnology and Oceanography (ASLO, USA), member of the Italian Association of Limnology and Oceanology (AIOL)

### **Publications**

Author of 11 publications on ISI-journals and 1 book chapter

#### ***List of publications of the last 10 years:***

##### ***Journal Papers***

Amato A, Orsini L, D'Alelio D, Montresor M (2005). Life cycle, size reduction patterns and ultrastructure of the pennate planktonic diatom *Pseudo-nitzschia delicatissima*. J. Phycol., 41: 542-556

Zingone A, Siano R, D'Alelio D, Sarno D (2006). Potentially toxic and harmful microalgae from coastal waters of the Campania region (Tyrrhenian Sea, Mediterranean Sea). Harmful Algae, 3: 321-337

D'Alelio D, Amato A, Luedeking A, Montresor M (2009). Sexual and vegetative phases in the planktonic diatom *Pseudo-nitzschia multistriata*. Harmful Algae, 8: 225-232

D'Alelio D, Amato A, Kooistra WHCF, Procaccini G, Casotti R, Montresor M (2009). Internal Transcribed Spacer polymorphism in *Pseudo-nitzschia multistriata* (Bacillariophyceae) in the Gulf of Naples: recent divergence or intraspecific hybridisation? Protist, 160: 9-20

D'Alelio D, Ribera d'Alcalà M, Dubroca L, Sarno D, Zingone A, Montresor M (2010). The time for sex: a biennial life cycle in a marine planktonic diatom. Limnol. Ocean., 55: 106-114

D'Alelio D, Salmaso N (2011). Occurrence of an uncommon *Planktothrix* (Cyanoprokaryota, Oscillatoriales) in a deep lake south of the Alps. Phycologia, 50: 379-383

D'Alelio D, Gandolfi A, Boscaini A, Flaim G, Tolotti M, Salmaso N (2011). *Planktothrix* populations in subalpine lakes: selection of strains with strong gas vesicles as a function of lake depth, morphometry and circulation. Freshwat. Biol., 56: 1481-1493

D'Alelio D, Gandolfi A. (2012). Recombination signals in the rpoC1 gene suggest gene flow among *Planktothrix* species. J. Phycol., 48: 1424-1432

D'Alelio D, Salmaso N, Gandolfi A (2013). Frequent recombination shapes the epidemic population structure of *Planktothrix* (Cyanoprokaryota) in Italian subalpine lakes. J. Phycol., 6: 1107-1117

Majewska R., D'Alelio D, De Stefano M (2014). *Cocconeis* Ehrenberg (Bacillariophyta), a genus dominating diatom communities associated with *Posidonia oceanica* Delile (monocotyledons) in the Mediterranean Sea. *Aquat. Bot.*, 112: 48-56

D'Alelio D, Mazzocchi MG, Montresor M, Sarno D, Zingone A, Di Capua I, Franzè G, Margiotta F, Saggiomo V, Ribera d'Alcala M (in press). The green–blue swing: plasticity of plankton food-webs in response to coastal oceanographic dynamics. *Mar. Ecol.*, doi: 10.1111/maec.12211

### ***Book chapters***

D'Alelio D, Cante MT, Russo GF, Totti C, De Stefano M (2010). Epizoic Diatoms on Gastropod Shells: When Substrate Complexity Selects for Microcommunity Complexity. *In*: Seckbach J, Dubinsky Z, Eds. *All Flesh Is Grass, Plant-Animal Interrelationships*. Springer; 2010. pp. 349-364 (ISBN: 978-90-481-9315-8)