

DANIELE PAGANELLI

Research Fellow in Experimental Ecology at the Department of Earth and Environmental Sciences (University of Pavia); Environmental Consultant for LabAnalysis srl and for the "Environmental Monitoring Centre of the Vernavola Stream" (CeMAV, Municipality of Pavia)

RESEARCH ACTIVITIES

Ecology of freshwater and marine benthos, alien species, taxonomy, use of biotic indices to define Ecological Status, data analyses, writing reports and scientific papers for publication in national and international journals

PERSONAL INFORMATION

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Nationality	Italian
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Google scholar profile	https://scholar.google.it/citations?user=ttGijRMAAAAJ&hl=it

TITLES AND QUALIFICATIONS

2015	Contract lectureship in Ecology at the Department of Public Health, Neuroscience, Experimental and Forensic Medicine, University of Pavia, Italy
2013	Course on River Restoration, CIRF, Monza, Italy
2010	ECOSTAT: Statistics course for Ecology, University of Pavia, Italy
2010	Course on the identification of freshwater macrophytes, ENEA and University of Torino, Italy
2010	Doctor of Philosophy (Ph.D.) in Experimental Ecology, University of Pavia, Italy
2009	Course on the identification of marine benthos at the Biological Station of Roscoff, France
2007	Subject Expert in Ecology with specialisation in Applied Ecology, and Freshwater and Marine Ecology, University of Pavia, Italy
2005	Course on River Functional Index (IFF)
2005	4-year degree in Natural Sciences (107/110), University of Pavia, Italy

OTHER ACADEMIC ACTIVITIES

Assistant professor of Ecology (Biology and Natural Sciences degrees), University of Pavia

WORK EXPERIENCE IN FRESHWATER RESEARCH

September 2012 up to now	Research fellowship at the Department of Earth and Environmental Sciences (University of Pavia)
Main activities	Environmental and biological surveys of the freshwater macrobenthos community; chemical analysis of the water column; data analysis and report writing
September 2011 - July 2012	Research fellowship at the Department of Earth and Environmental Sciences (University of Pavia)
Main activities	Ecological and morphological studies of the Ticino's riverine wetlands; data analysis and report writing
November 2010 - June 2011	Research fellowship at the Department of Earth and Environmental Sciences (University of Pavia)
Main activities	Bio-monitoring methods for the evaluation of environmental impacts on river habitats; data analysis and report writing

<p>June 2006 - October 2006 Main activities</p>	<p>Temporary contract at the Monte Beigua Regional Park Definition of the river quality status; data analysis and report writing</p>
<p>April 2005 – September 2005</p>	<p>Biological survey of the freshwater fish fauna for the Municipality of Lodi (Italy); biological census of the crayfish <i>Procambarus clarkii</i> at the Bosco Negri Reserve (Pavia, Italy)</p>
<p>WORK EXPERIENCE IN MARINE RESEARCH</p>	
<p>June 2013 Main activities</p>	<p>Temporary contract at the Department of Earth and Environmental Sciences (University of Pavia) Identification and data analysis of the macrobenthos community of the Lazio coast (Italy, central Tyrrhenian sea); report writing</p>
<p>February 2011 Main activities</p>	<p>Temporary contract at the Department of Earth and Environmental Sciences (University of Pavia) Identification and data analysis of the macrobenthos community of the Emilia Romagna coast (Italy, North-West Adriatic Sea); report writing</p>
<p>October 2009 Main activities</p>	<p>Temporary contract at the Department of Earth and Environmental Sciences (University of Pavia) Identification of the macrobenthos community of the Emilia Romagna coast (Italy, North-West Adriatic Sea)</p>
<p>November 2006 - October 2009 Main activities</p>	<p>Doctorate fellowship at the Department of Earth and Environmental Sciences (University of Pavia) Identification of the macrobenthos community of the Emilia Romagna coast (Italy, North-West Adriatic Sea); definition of the Ecological Quality Status; data analysis and scientific paper writing for publication in national and international journals</p>
<p>April 2006 - October 2006 Main activities</p>	<p>Research fellowship at the Central Institute of Marine Scientific Research (I.C.R.A.M) Identification of the soft bottom macrobenthos community of Italian harbours (ASPIM II project)</p>
<p>April 2005 - September 2005</p>	<p>Biological surveys in marine, lagoon and freshwater environments</p>
<p>ENVIRONMENTAL EDUCATION</p>	
<p>Temporary contracts in environmental activities for schools (Municipality of Pavia; Municipality of Lodi; Natural Science Museum, Milan)</p>	
<p>TECHNICAL SKILLS AND COMPETENCES</p>	
<p>Office and statistical software packages (PRIMER; MINITAB; SPSS; ADE-4). Application of the main environmental indices to define the quality and ecological status of water bodies (IBE; IFF; CARAVAGGIO) Languages: Italian (mother tongue); English (good written and spoken)</p>	

PUBLICATIONS

1. Ardenghi N.M.G., Armstrong W.P., Paganelli D., 2017. *Wolffia columbiana* (Araceae, Lemnoideae): first record of the smallest alien flowering plant in southern Europe and Italy. *Botany Letters* 164 (2): 121-127.
2. Paganelli D., Zampolini G., Sconfiatti R., 2017. Case study of the Vernavola Stream (sub-lacustrine Ticino River basin, Northern Italy): the biological pollution of the Asiatic clam *Corbicula fluminea* (Müller, 1774). *Limnetica*, in press.
3. Paganelli D., Gazzola A., Rodolfi M., Sconfiatti R., Picco A.M., 2017. Trophic preference and preliminary indication of phytoplankton influence on the diet of the non-native *Gammarus roeselii* Gervais 1835 (Amphipoda, Gammaridae) in the sub-lacustrine Ticino river basin (Lombardy, Northern Italy). *Italian Journal of Mycology* 46: 37-47.
4. Paganelli D., Pandolfi A., Sconfiatti R., 2017. First record of eyeless specimens of *Gammarus roeselii* Gervais 1835 (Amphipoda, Gammaridae) in a small stream of the sub-lacustrine Ticino River basin (Lombardy, Northern Italy). *Natural History Sciences. Atti Soc. it. Sci. nat. Museo civ. Stor. nat. Milano*, 4 (1): 105-107.
5. Paganelli D., Caronni S., Marchini A., Gazzola A., Sconfiatti R., 2016. Dynamics and population structure of native *Echinogammarus stammeri* (Karaman, 1931) (Crustacea: Amphipoda) and non-native *Gammarus roeselii* Gervais, 1835 (Crustacea: Amphipoda) occurring in sympatry in Northern Italy. *Italian Journal of Zoology* 83 (4): 563-570.
6. Paganelli D., Gazzola A., Marchini A., Sconfiatti R., 2015. The increasing distribution of *Gammarus roeselii* Gervais 1835: first record of the non-indigenous freshwater amphipod in the sub-lacustrine Ticino River basin (Lombardy, Italy). *BioInvasions Records* 4 (1): 37-41.
7. Paganelli D., Sconfiatti R., Venzaghi I., 2015. Caratterizzazione idromorfologica ed ecologica delle aree umide golenali del fiume Ticino a Pavia (Lombardia, Italia) e ipotesi di gestione. *Biologia Ambientale. Biologia Ambientale* 29(1): 1-12.
8. Paganelli D., Saltarelli M., Sconfiatti R., 2014. Seasonal evolution of the zooplankton community in two riverine wetlands of the Ticino River (Lombardy, Northern Italy). *International Journal of Limnology. International Journal of Limnology* 50: 241-247
9. Garzoli L., Paganelli D., Rodolfi M., Savini D., Moretto M., Occhipinti-Ambrogi A., Picco A.M., 2014. First evidence of microfungus "extra oomph" in the invasive red swamp crayfish *Procambarus clarkii*. *Aquatic Invasions* 9 (1): 47-58.
10. Paganelli D., Sconfiatti R., 2013. Biodiversity loss in a small riverine wetland of the Ticino river (Lombardia, Northern Italy). *Journal of Limnology* 72 (3): 573-581.
11. Paganelli D., Marchini A., Occhipinti-Ambrogi A., 2012. Functional structure of marine benthic assemblages using Biological Traits Analysis (BTA): a study along the Emilia-Romagna coastline (Italy, North-West Adriatic Sea). *Estuarine, Coastal and Shelf Science* 96: 245-256.
12. Sconfiatti R., Paganelli D., 2012. IMPaL: proposta di un metodo di rapid assessment per la definizione della qualità paesaggistica delle lanche fluviali. *Biologia Ambientale* 26: 23-31.
13. Paganelli D., Marchini A., Forni G., Occhipinti-Ambrogi A., 2011. Functional diversity of the soft-bottom macrobenthos community at 3km off the Emilia-Romagna coastline. *Acta Biologica* 89: 99-105.
14. Paganelli D., Forni G., Mazziotti C., 2011. Explorative studies on "The Flats" of Kimmeridge Bay (Dorset, United Kingdom). *Biologia Marina Mediterranea* 18 (1): 270-271.
15. Pesci I., Sconfiatti R., Paganelli D., 2011. Sorgenti di terrazzo a Pavia (Lombardia): studio sperimentale sull'accrescimento individuale di una popolazione di *Leucojum aestivum* L.. *Acta Biologica* 89: 77-82.
16. Paganelli D., Forni G., Marchini A., Occhipinti-Ambrogi A., 2011. Evaluation of Ecological Quality Status along the Emilia-Romagna Coast (Italy) by the M-AMBI benthic index: critical appraisal on the identification of Reference Conditions. *Marine Pollution Bulletin* 62: 1725-1735.
17. Paganelli D., 2009. Functioning and Ecological Status of the soft-bottom macrobenthos community at 10km from the Emilia-Romagna coastline. *Scientifica Acta* 2 (3): 47-54.
18. Sconfiatti R., Paganelli D., Pesci I., 2009. Indagini preliminari sulla fauna macrobentonica di microhabitat sorgivi di terrazzo fluviale a Pavia. *Acta Biologica* 86: 75-76.
19. Paganelli D., Forni G., 2008. Indagini sul macrobenthos di fondo incoerente a 10km dalla costa dell'Emilia Romagna. *Biologia Marina Mediterranea* 15 (1): 280-281.
20. Paganelli D., Sconfiatti R., Marchini A., Casarini P., 2007. Caratterizzazione dei principali corsi d'acqua pavese sulla base del ruolo funzionale della comunità macrobentonica. *Acta Biologica* 83: 193-198.
21. Paganelli D., Sconfiatti R., Marchini A., 2005. The community of Crustacean Peracarids as indicator of spatial heterogeneity in two Adriatic lagoons: Sacca di Goro (Ferrara) and Lesina lagoons (Foggia). *Atti del XV° Congresso Nazionale della Società Italiana di Ecologia (S.it.E.)*.