







## PERSONAL INFORMATION

## Luciana Migliore



 Via Domenico Pennestri, 7, I-00135 Rome (Italy)  
 +39 06 7259 5984/4021  +39 335 1956 011  
 luciana.migliore@uniroma2.it; luciana.migliore55@gmail.com  
 [www.ecomicro.it](http://www.ecomicro.it)  
 Skype Luciana Migliore

Sex Female | Nationality Italian

## WORK EXPERIENCE

1995–Present

**Senior Researcher**

Tor Vergata University, Rome (Italy)

Responsible of a research group; responsible of bachelor, master and PhD students; teaching in courses of Ecology, Ecotoxicology

2011–Present

**Member of CUN (National University Council), Area 05 (Bio)**

Ministry of Education and Research, Rome (Italy)

Elected Member among Researchers in the Academic Parliament in the Ministry of Research and Education

11/2014

**Visiting Professor**

Queensland University, Brisbane, QL (Australia)

Teaching at the Centre for Marine Science, PhD School for Marine Biology

Research activity on biochemical descriptors applied to Australian seagrasses (*Zostera* sp. and *Halophila* sp.)

2014

**Erasmus Mundus Staff Grant in the framework of the EU NESSIE Project**

EU Project NESSIE (Networking on Environmental Safety &amp; Sustainability Initiative for Engineering), Brussel (Belgium)

Funding for abroad teaching and research activities

2008–2013

**Member of the Administrative board**

"Tor Vergata" University, Rome (Italy)

Planning, direction and control of the activities related to the administrative and financial position of the University.

Planning of the University development, by expressing opinions on the proceedings of the Senate.

2005–2008

**Editor for the Italian Medical Encyclopaedia**

UTET, Turin (Italy)

Planning and realizing several Encyclopaedias, writing, assigning and editing scientific papers on the main areas of the Biological Sciences.

2000

**Visiting fellow, lab. VESO Vikan AkvaVet**

VESO, Namsos (Norway)

Ecotoxicity testing, production of standard protocol in quality procedures

1999–2000 **Member of the User Selection Panel, Lab. VESO Vikan AkvaVet**  
 VESO, Namsos (Norway)  
 Selection of project to be financed by a TMR, Large Scale Facility programme

1984–1995 **Researcher**  
 University "Federico II", Naples (Italy)  
 Responsible of a research group; responsible of bachelor and master students.

1980–2001 **Editor for the Institute of the Italian Encyclopedia**  
 G. Treccani Ed., Rome (Italy)  
 Planning and realizing several Encyclopaedias, writing, assigning and editing scientific papers on the main areas of the Biological Sciences.

EDUCATION AND TRAINING

**Degree in Biological Sciences cum laude**  
 Sapienza University, Rome (Italy)  
 Defending a Thesis on the 'Endogenous calendar of *Asellus aquaticus* (L.) (Crustacea, Isopoda)'

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	B1	B2	A2	A2	B1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user  
[Common European Framework of Reference for Languages](http://www.cedefop.europa.eu/en/faq/35307)

Communication skills Good communication skills

- good team spirit;
- good ability to adapt to multicultural environments, gained through my child/teenager life, spent in many different cities with my family and through my adult work life in different Universities and Research centers in Italy and abroad.

Organisational / managerial skills

- Leadership: since my post-doc position I always was responsible for several undergraduated and PhD students; currently I'm responsible of a team of 4 people;
- Good experience in research project management acquired through the coordination of national and international projects (administration of people and budgets);
- Good experience in administrative management through the activity as Member of the Administrative Board of the Tor Vergata University.
- Good experience in the policy management of the University through the activity as a Elected Member among Researchers in the Academic Parliament in the Ministry of Research and Education

## Job-related skills

**TEACHING**

Since 1995 he has continuously taught courses as a sole instructor at the Tor Vergata University.

**Faculty of Natural Sciences:** Animal ecology (1995-2003), Legislation in Biotechnology (1997-2003), Fundamentals of Ecosystems Analysis (2002-2009), Ecology (2003-2009), Ecotoxicology (2004-present), Ecology and Ecotoxicology (2010-present).

**Faculty of Literary Heritage:** Biology for the conservation of library heritage (2010-present)

She has been tutor of several bachelor and master degree students and supervisor of PhD students and post-docs.

**SCIENTIFIC ACTIVITY**

She published more than 80 scientific papers *in extenso* on issues of basic and applied ecology:

(i) set up of methods and markers to evaluate environmental stress in marine systems and biological effects in exposed organisms;

(ii) alteration of ecosystems and populations subjected to antimicrobial drug contamination in the laboratory and in the field, including hormesis;

(iii) chemical monitoring of contaminated biotic and abiotic matrices, including bioremediation;

(iv) alteration of the demographic parameters in populations under acute and chronic stress from heavy metals;

(v) ecogeographical variability of biotic and abiotic factors controlling population dynamics of aquatic macroinvertebrates.

It is reviewer of several scientific journals.

**PROJECT MANAGING**

She had and maintains partnerships with national (APAT, ARPA, IBAF-CNR, CNR-IBIM, CRPA, ENEA, ENEL, ICRAM, ISS) and international institutions (Danish Technological Institute; Medical Lab Oceanographie, Nice, France; University of Adelaide, Australia; Universidad do Algarve, Portugal, University of Hawaii at Manoa, USA; VESO, Oslo - Viken, Norway; IUI, Eilat, and Dead Sea & Arara Science Center, Israel).

She got funding for research projects from:

- national Institutions [MURST - 40% (1995-1998, one year), CNR, Prisma 2 (1997, two years), Ministry of Agriculture, 5° Three-years Plan (1999: three years); CRPA, Emilia Romagna Regional government (2006, two years), APAT, Rome (2007, one year); CARICIV - Cassa di Risparmio di Civitavecchia / Comune di S. Marinella (2009-2010-2011, 2012 one year)]

- international institutions [EU - Measuring and Testing (1998, two years); EU-COST (2010, two years); EU-ASSEMBLE (2009, 2010, 2011, 2012, 2013 annual); EU-NESSIE Erasmus Mundus (2014)]

She was a member (1998-2000) of the User Selection Panel of the Laboratory VESO Viken AkvaVet of Namsos, Norway, funded by the EU under the TMR Large Scale Facility program.

**OUTREACHES & AWARDS**

In 2002 was dedicated to her research the cover story of Science News by J. Raloff (June 29, 2002, Vol 161, No. 26, p. 406) entitled: *Pollution Pharm. Excreted antibiotics can poison plants*.

In 2009, the dossier of the WWF "Scientific research and biodiversity. The contribution of the Italian scientific research for the protection of natural heritage", includes the first work on *Posidonia oceanica* (BMC Ecology, 2007) as an example of Italian excellence in research on biodiversity and its conservation.

**MENTORING ACTIVITY**

In the long teaching activity she has been mentor of several young researchers, among them:

**Sandro Maria Guarino**, Researcher at the ISMAR CNR lab. Lesina (FG). Died in 1997.

**Cinzia Civitareale**, Researcher at the National Institute of Health, Rome (Italy)  
**Eva Alessi**, WWF Responsible for Sustainability, Rome (Italy)  
**Daniela Mattei**, Researcher at the National Institute of Health, Rome (Italy)  
**Alice Rotini**, Post-Doc Lab of Ecology, Queensland University, Brisbane (Australia)

#### SELECTED PUBLICATIONS

1. Di Lallo G., Evangelisti M., Mancuso F., Ferrante P., Marcelletti S., Tinari A., Superti F., **Migliore L.**, et al. (2014) - Isolation and partial characterization of bacteriophages infecting *Pseudomonas syringae* pv. actinidiae, causal agent of kiwifruit bacterial canker. *Journal of Basic Microbiology*, 54(11): 1210-1221. DOI: 10.1002/jobm.201300951
2. **Migliore L.**, Rotini A., Thaller M.C. (2013) - Low doses of Tetracycline trigger the *E. coli* growth: a case of hormetic response. *Dose Response*, 11(4): 550–557. DOI: 10.2203/dose-response.13-002.Migliore
3. Rotini A., Anello L., Di Bernardo M., Giallongo A., Valiante L., **Migliore L.** (2013) Comparative analysis of bed density, total phenol content and protein expression pattern in *Posidonia oceanica* (L.) Delile. *Open Journal of Ecology*, 3(6): 438-444. DOI: 10.4236/oje.2013.36050
4. Evangelisti M., D'Amelia D., Di Lallo G., Thaller M.C., **Migliore L.** (2013) - The relationship between salinity and bacterioplankton in three relic coastal ponds (Macchiatonda Wetland, Italy). *Journal of Water Resource and Protection*, 5(9): 859-866. DOI: 10.4236/jwarp.2013.59087 .
5. Rotini A., Belmonte A., Barrote I., Micheli C., Peirano A., Santos R.O., Silva J., **Migliore L.** (2013) - Effectiveness and consistency of a suite of descriptors to assess the ecological status of seagrass meadows (*Posidonia oceanica* L. Delile). *Estuarine, Coastal and Shelf Science*, 130: 252–259. DOI: 10.1016/j.ecss.2013.06.015
6. **Migliore L.**, Fiori M., Spadoni A., Galli E. (2012) - Biodegradation of Oxytetracycline by *Pleurotus ostreatus* mycelium: a mycoremediation technique. *Journal of Hazardous Material*, 215-216:227-232. DOI: [10.1016/j.jhazmat.2012.02.056](https://doi.org/10.1016/j.jhazmat.2012.02.056)
7. Rotini A., Micheli C., Valiante L., **Migliore L.** (2011) - Assessment of *Posidonia oceanica* (L.) Delile conservation status by standard and putative approaches: the case study of Santa Marinella meadow (Italy, W Mediterranean). *Open Journal of Ecology*, 1(2): 48-56. DOI: [10.4236/oje.2011.12006](https://doi.org/10.4236/oje.2011.12006)
8. **Migliore L.**, Rotini A., Cerioli N.L., Cozzolino S., Fiori M. (2010) - Phytotoxic antibiotic Sulfadimethoxine elicits a complex hormetic response in the weed *Lythrum salicaria* L. *Dose Response*, 8(4): 414-427. DOI: [10.2203/dose-response.09-033.Migliore](https://doi.org/10.2203/dose-response.09-033.Migliore)
9. **Migliore L.**, Godeas F., De Filippis S.P., Mantovi P., Bonazzi G., Barchi D., Testa C., Rubattu N., Brambilla G. (2010) - Hormetic effect(s) of tetracyclines as environmental contaminant on *Zea mays*. *Environmental Pollution*, 158(1): 129-134. DOI: [10.1016/j.envpol.2009.07.039](https://doi.org/10.1016/j.envpol.2009.07.039)
10. Thaller M.C., Ciambotta M., Sapochetti M., **Migliore L.**, Tapia W., Cedeño V., Gentile G. (2010) - Uneven frequency of *Vibrio alginolyticus*-group isolates among different populations of Galápagos marine iguana (*Amblyrhynchus cristatus*). *Environmental Microbiology Report*, 2(1): 179-184. DOI: [10.1111/j.1758-2229.2009.00132.x](https://doi.org/10.1111/j.1758-2229.2009.00132.x)
11. Thaller M.C., **Migliore L.**, Marquez C., Tapia W., Cedeno V., Rossolini G.M., Gentile G. (2010) - Tracking acquired antibiotic resistance in commensal bacteria of Galápagos land Iguanas: no man, no resistance. *PLOS One*, 5(2): e8989. DOI: [10.1371/journal.pone.0008989](https://doi.org/10.1371/journal.pone.0008989)
12. Polcaro C.M., Brancaleoni E., Donati E., Frattoni M., Galli E., **Migliore L.**, Rapanà P. (2008) - Fungal bioremediation of Creosote-treated wood: a laboratory scale study on Creosote components degradation by *Pleurotus ostreatus* mycelium. *Bull. Environ. Contam. Toxicol.*, 81(2): 180-184.
13. **Migliore L.**, Rotini A., Randazzo D., Albanese N.N., Giallongo A. (2007) - Phenols content and 2-D electrophoresis protein pattern to monitor *Posidonia* meadows health state. *BMC Ecology*, 7: 6.
14. Brambilla G., Patrizii M., De Filippis S.P., Bonazzi G., Mantovi P., Barchi D., **Migliore L.** (2007) - Oxytetracycline as environmental contaminant in arable lands. *Analytica Chimica Acta*, 586: 326–329.
15. Mattei D., Cataudella S., Mancini L., Tancioni L. & **Migliore L.** (2006) - Tiber River quality in the stretch of a sewage treatment plant: effects of river water or disinfectants to *Daphnia* and structure of benthic macroinvertebrates community. *Water Air & Soil Pollution*, 177: 441-455.
16. **Migliore L.**, Alessi E., Mattei D., Mancini L., Pierdominici E., Thaller M.C. (2006) - Incidence of antibiotic resistance in the microbial community of the River Tiber (Rome). *Fresenius Environmental Bulletin*, 15 (9): 1037-1040.
17. Cascone A., Forni C. & **Migliore L.** (2004) - Flumequine uptake and the aquatic weed, *Lemna*

minor L. *Water Air & Soil Pollution*, 156(1): 241-249.

18. **Migliore L.**, Cozzolino S., Fiori M. (2003) - Phytotoxicity to and uptake of enrofloxacin in crop plants. *Chemosphere*, 52(7): 1233-1244.

19. Forni C., Cascone A., Fiori M. & **Migliore L.** (2002) - Sulphadimethoxine and *Azolla filiculoides* Lam.: a model for drug remediation. *Water Research*, 36(13): 3183-84.

20. **Migliore L.**, Cozzolino S., Fiori M. (2000) - Phytotoxicity to and uptake of Flumequine used in intensive aquaculture on the aquatic weed, *Lythrum salicaria* L. *Chemosphere*, 40: 741-750.

21. **Migliore L.**, Civitareale C., Cozzolino S., Casoria P., Brambilla G., Gaudio L. (1998) - Laboratory models to evaluate phytotoxicity of Sulphadimethoxine on terrestrial plants. *Chemosphere*, 37: 2957-2961.

22. **Migliore L.**, Civitareale C., Brambilla G., Cozzolino S., Casoria P. & Gaudio L. (1997) - Effect of Sulphadimethoxine on cosmopolitan weeds (*Amaranthus retroflexus* L., *Plantago major* L., *Rumex acetosella* L.). *Agriculture, Ecosystem Environment*, 65(2): 163-168.

23. **Migliore L.**, Brambilla G., Civitareale C. & Dojmi di Delupis G. (1997) - Toxicity of several important antibiotics to *Artemia*. *Water Research*, 31(7): 1801-1906.

24. **Migliore L.**, Brambilla G., Casoria P., Civitareale C., Cozzolino S. & Gaudio L. (1996) - Effect of Sulphadimethoxine contamination on barley (*Hordeum distichum* L., Poaceae, Liliopsida). *Agriculture, Ecosystem Environment*, 60: 121-128.

25. **Migliore L.**, Brambilla G., Grassitelli A. & Dojmi di Delupis G. (1993) - Toxicity and bioaccumulation of sulphonamides utilized for intensive farming in *Artemia salina* (L.) (Crustacea, Anostraca). *International Journal of Salt Lake Research*, 2(2): 141-152.

#### Computer skills

- Good command of Microsoft Office™ tools (Word™, Excel™ and PowerPoint™);
- Good command of Mac video editing software application (iMovie™, iLife™);
- Basic knowledge of graphic design applications (PhotoShop™);
- acquaintance with Internet.