

FRANCESCA BONA

CURRICULUM VITAE

Contact

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Education

Master in Environmental Engineering (yearly, 1990-91), with specialization in Urban Area Environmental Risk, attended by EPEA - European Polytechnic Environmental Association (Polytechnic of Turin- Barcelona - Chambéry, Lausanne, Oxford)
Degree in Biology, with ecological address, obtained with a 109/110 note at the University of Turin in 1990.
Scientific Advanced-level G.C.E. obtained in 1985 by the Secondary School Galileo Galilei in Ciriè (TO).

Professional experience

Researcher in Ecology, 1999- present, Dipartimento di Biologia Animale Università di Torino

Since 2001 Professor of Biomonitoring, Laboratory of Ecology, Environmental Impact Assessment, Faculty of Science Università di Torino

In 2000 invited as Italian representative to the International Workshop "Comparison of Solid Phase and Pore water sediment toxicity tests" held in Pensacola (FL, USA) and organised by SETAC

Project Manager at FISIA FIAT IMPRESIT SISTEMI AMBIENTALI 1995-1999

Environmental Consultant 1992-1995

In 1992 and 1993 work experience at SAIC - US EPA Narragansett, Rhode Island (four months)

In 1994 training at Stanley Ass. - Vancouver (two months)

Professional memberships

- Ordine Nazionale dei Biologi dal 1993
- CISBA (Centro Italiano Studi di Biologia Ambientale)
- Site (Società Italiana di Ecologia) dal 2001
- GADIO (Gruppo per l'Ecologia di Base) dal 2006
- ADLAF (Association de Diatomistes de Langue française) dal 2006

Relevant projects

- Viverone Lake monitoring project : planning and execution of the one year physical-chemical and biological parameter monitoring on water and sediments, territorial investigations on the examined area. Set up of an eutrophication model in cooperation with Battelle Genevre .Funded by Ministero dell'Ambiente
- Surface water monitoring . "High Speed Railways " project Milan - Naples line, Bologna-Florence section. Funded byTAV - Fiat Engineering.
- SP2.1 Po River authority - Water Quality Project
- Venice Lagoon - Analysis of the environmental recovery in the Central Venice

Lagoon;Teneri lake project;. Funded by Consorzio Venezia Nuova / Magistrato alle Acque

- Yearly monitoring of macroalgal proliferation in Venice Lagoon. Funded by Consorzio Venezia Nuova / Magistrato alle Acque
- Twinning project Slovakia /Italy Project N°: SR99/IB/EN/01

Title:

1. Elaboration of a comprehensive strategy for the full adoption, implementation including compliance and enforcement of the Acquis Communautaire into the relevant Slovak legislation.
2. Application of water toxicity evaluation in permitting processes of water authorities.
3. Application of early warning system at intake point for drinking water supply by using continuous biological monitoring.

Funded by the European Union

- Environmental Monitoring of the impacts due to the realization of XX Winter Olympic Games Turin 2006 . Funded by TOROC 2006
- National Program "Contaminated Sites- Val Bormida". Funded by Ministro dell'Ambiente

Scientific interests

The specific field of interest is the application of biologic methods to water ecosystem monitoring and restoration , ecosystem risk analysis and environmental impact assessment. She managed a series of projects concerning water toxicology and marine sediment assessment. She has a specific experience in the following fields : water stream and lake quality monitoring, modelling and assessment, sampling and analysis of plancton and macrobenthos; sediment profile imaging with computerized analysis of the sea and lake bottom image; toxicity tests with bacteria, invertebrates and plants on water and solid matrix. Recently she extended her interest to the evaluation of land mosaic. Developed externally funded research programs. Published in peer-reviewed journals. Presented research at international meetings.

Other activities

Professor at COREP – Master in Techniques of Environmental Assessment

Docente a corsi di formazione per l'ARPA Piemonte nella Valutazione d'Impatto Ambientale e Strategica

Director of the National Course "Application of evaluation methods based on benthic diatoms" organized by APPA- APAT, Trento 23-27 October 2006

Coordinator of the Course "Application of benthic diatoms in environmental assessment" organized by Arpa Lombardia, Milano 1-5 luglio 2005

Scientific collaborations

SETAC Pensacola

Centre de Recherche Public G Lippmann (dr Luc Ector)

UNIVERSITY OF Galway (dr Robert Kennedy)

FENICE SPA

TOROC Comitato Organizzatore dei XX Giochi Olimpici Invernali

Agenzia XX Giochi Olimpici Invernali

Parco Nazionale del Gran Paradiso

Yellowstone National Park

Parco Naturale Regionale Val Tronca

Parco Naturale del Po

Regione Piemonte

Regione Valle d'Aosta

ARPA Piemonte
ARPA Lombardia
ARPA Liguria

Reviewer for: Journal of Marine Systems, Tropical Zoology, Acta biologica

Activities in expert groups

2000 Pensacola (Fl, USA) SETAC Sediment Porewater Toxicity
2004 SPICE (Galway, Ireland) Sediment profile Imaging Colloquium of Experts
Since 2006 Working group of the Italian Ministry of Environment on Biological methods
for running waters.