

PERSONAL
INFORMATION

Marina Tesauro
Environmental Hygiene Lab
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Assistant professor in Environmental Hygiene
Head of Environmental Hygiene Lab

Main research project from 1998-Present:

Microbiological and virological characterization (including molecular biology techniques) of groundwater and surface water sources, water distribution network, and water of end users based on the parameters established by the Italian law (DPR 236/88 and D.Lgs.31/2001) - Collaboration with the aqueduct of Milan, Como, and of some other cities on the coast of the lakes of Lecco and Como, and with private organizations such as Aler, and Citizens.

Study of emerging pathogens in drinking water: Protozoa such as *Giardia enteritidis* and *Cryptosporidium parvum*, *Campylobacter* sp., *Acinetobacter* sp., antibiotic-resistant bacteria, hemolytic bacteria ..., in collaboration with the Istituto Superiore di Sanità.

JOB APPLIED FOR
POSITION
PREFERRED JOB
STUDIES APPLIED
FOR
PERSONAL
STATEMENT

Surveillance systems and monitoring of waterborne diseases: pilot study on epidemiological surveillance of waterborne diseases (ASL of Lecco, Hospital, Milan), with harvesting and analysis of data on etiologic agents isolated from cases of waterborne diseases (especially pneumonia and gastroenteritis) and check for the possible presence of waterborne pathogens in the environment and correlation with clinical cases.

In particular, for *Legionella pneumophila*:

monitoring of long-term care in private hospitals and nursing homes, study the effectiveness of disinfection methods of water systems colonized by *Legionella*,

characterization of the presence of anti-*Legionella* antibodies in patients and health personnel,

correlation of clinical and environmental cases of Legionnaires' disease through genotyping and comparison of various methods of molecular biology,

active participation, upon request, to the 5th and 6th European Proficiency Panel of EWGLI.

Monitoring of *Legionella pneumophila* in sports environments in Milan in collaboration with ASL Milano.

Pilot study for the surveillance of nosocomial pneumonia.
Monitoring of the microbiological quality of water and air in hospitals and long-term care centers for the disabled.

Multicenter Study for the SItI Group "Hygiene in Dentistry" entitled "Evaluation of Sanitary Risks Linked to Public Dental Care" in the city of Milan and carried out in 13 other Italian cities.

Multicenter Study for the SItI Group "Hygiene in Dentistry" on the environmental quality of public dental practice along with monitoring of water from dental unit, air and surfaces in the city of Milan and carried out in 11 other Italian cities.

Study of the indoor environment of dental clinics, with particular attention to the presence of emerging pathogens in the water coming out of dental unit and in the aerosol.

Characterization of the air quality and of surfaces in confined environments: project number 1114 funded by the Ministry of Labour entitled "Determination of the Risk of Exposure of Workers to Pathogens Caused by the Use of Common Equipment (personal computers, video terminals, phones, etc.) and Possible Solutions".

From 1994 to 1998:

Collaboration in research on risk assessment on the area contaminated by oil spill from the well of T24 in Trecate (Novara) on behalf of Battelle, Centre de Recherche de Geneve (1994-1998).

Collaborative research activities of prof. Bruno Rossaro Department of Biology, University of Milan on the quality of water ecosystems through the use of aquatic macroinvertebrates as bioindicators.

Partnerships for Environmental Impact Studies on behalf of AGIP (1995).

Research activities on the evolution of Lake Maggiore with regard to the microbiological and biological-hygienic profiles at the Laboratory of Public Health, USL 13 Novara (Chemical-Clinical and Biological Division). Two-year program 1996-1997.

International Commission for the Environmental Protection of Italian-Swiss Water Basins (July 1996 to December 1996).

Research on the embryotoxicity test (FETAX) carried out at the University of Milan and the Department of Biology University of Insubria - Department of Structural and Functional Biology - under the supervision of Dr. John Bernardini (January-December 1997).

Collaboration with professionals on a project focused on the monitoring and rehabilitation of polluted river basins on behalf of the Assessorato all'Ambiente della Provincia di Novara (1997-1998).

Collaboration with professionals on the evaluation of chemical and biological risks in the workplace on behalf of agricultural associations of Novara (1996-1998).

WORK EXPERIENCE

- 2003-present
Assistant Professor Department of Biomedical Surgical and Dental Sciences, University of Milan, Italy.
- 1998-2002
Instructor, Department of Public Health, Microbiology, and Virology University of Milan, Italy.
- 1994-1998
Scientific Consultant, Battelle Inc., Centre de Recherche de Geneve, Geneve, Switzerland.
- 1997-1998
Scientific Consultant, Assessorato all'Ambiente della Provincia di Novara, Novara, Italy.
- 1994-1998
Research Associate, Department of Biology, University of Milan, and University of Insubria, Italy.
- 1996-1998
Scientific Consultant, Associazioni Agricole Novara, Italy.
- 1996-1997
Research Associate, Laboratorio di Sanità Pubblica Azienda U.S.L. 13 Novara, Sezione biologica e chimico-clinica, Novara, Italy.
- 1996
Scientific Consultant, International Committee for the Environmental Protection of Swiss-Italian Water Basins.
- 1995
Research Assistant, Department of Biology, Università degli Studi di Milano, Milan, Italy.

EDUCATION AND TRAINING

Graduate Institution:
 AA 1995-1996 School of Hygiene, University of Milan, Milan, Italy
 AA 1994-1995 Esame di Stato
Graduate Institution: AA 1992-1993 B.S. Biological Sciences. University of Milan, Italy.
Undergraduate Institution: A.S. 1986-1987 Liceo Scientifico Antonelli, Novara, Italy.

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	A2	A2	A2	A2	A2

Communication skills

- good communication skills gained through my experience as assistant professor

Organisational / managerial skills

- Head of Environmental Hygiene Lab

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent	Independent	Independent	Independent	Independent

- good command of office suite (word processor, spread sheet, presentation software)

ADDITIONAL
INFORMATION

Publications ORCID 0000-0001-5542-5119

Personal information

I authorize the handling of personal information in this curriculum, according to D.Lgs n. 196/03 and following modifications and Regulations EU 679/2016 (General Regulations concerning Data Protection or GRDP) and art. 7 of University Regulations concerning protection of personal information.

I authorize, according to D.lgs 14/03/2013 n. 33 concerning transparency, in case of conferment of the position and of the fellowship, the publication of this curriculum in the web site of Università degli Studi di Milano in the section "Amministrazione trasparente", "Consulenti e collaboratori".

Date
21st January 2019

Signature

Fto Marina Tesauro