EUROPEAN FORMAT FOR THE CV



PERSONAL INFORMATION

Name

[BERTOLOTTO ROSA MARIA]

E-mail

rosamaria.bertolotto@edu.unige.it 714650@unige.it

Nationality
Date of Birth

Italian

WORKING EXPERIENCE

01/07/2023-present

ARPAL - DIRECTOR OF THE DEPARTMENT OF "STATE OF THE ENVIRONMENT AND PROTECTION FROM NATURAL RISKS"DIRECTOR IN CHARGE OF WATER QUALITY UNIT

Appointed by Decree of the ARPAL General Director No. 110 of 01/06/2023

01/01/2022- 30/06/2023

ARPAL SCIENTIFIC DIRECTOR

Appointed by Decree of the ARPAL General Director No. 209 of December 20, 2021 "presides over ARPAL's technical-scientific activities and the quality and appropriateness of the services provided, coordinates the technical-scientific activities of the facilities, and provides mandatory advice to the General Director on documents within his/her jurisdiction." (Regional Law of the Liguria Region No. 20/2006)

01/03/2021-31/12/2021

- Name and address of employer
- Type of company or industry
- Type of employment
- Main duties and responsibilities

DIRECTOR OF THE ARPAL REGIONAL LABORATORY DEPARTMENT

- HEAD OF THE RECEPTION AND COORDINATION OF LABORATORY SERVICES UNIT
- (UNTIL 30/06/2021) INTERIM HEAD OF THE BIOLOGY AND TOXICOLOGY UNIT

ARPAL, via Bombrini 8, Genova 16149- Regional Environmental Protection Agency Director of the Scientific Committee and Department Director

Management of the ARPAL multi-site laboratory, organized across 4 locations

- Technical and scientific planning and coordination of local laboratories
- Methodology development and implementation
- · Metrology and external laboratory comparisons
- Management of pollen and spore monitoring for the regional network
- Quality assurance of system data and participation in comparison circuits
- Participation in SNPA activities for laboratory activities
- Participation in regional planning for laboratory activities

As Head of the Biology and Toxicology Operating Unit:

- · Coordination of the three Biology and Toxicology Sectors
- · Quality assurance of system data and participation in comparison circuits
 - Production and validation of analytical data for relevant fractions

I 31/12/2018 to 28/02/2021

- DIRECTOR OF THE ARPAL REGIONAL LABORATORY DEPARTMENT
- HEAD OF THE LABORATORY UNIT METROPOLITAN LABORATORY
- INSTRUMENTAL ANALYSIS SECTOR MANAGER

Pagina 1 - Curriculum vitae di [Bertolotto R.M.]

- Name and address of employer
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ARPAL, Via Bombrini 8, Genoa 16149

Regional Environmental Protection Agency

Director of the Scientific Committee and Department Director Management of the ARPAL multi-site laboratory, organized across 4 locations

- Technical and scientific planning and coordination of local laboratories
- Methodology development and implementation
- · Metrology and external laboratory comparisons
- · Management of pollen and spore monitoring for the regional network
- System data quality assurance and participation in comparison circuits
- · Participation in SNPA activities for laboratory activities
- · Participation in regional planning for laboratory activities

As sector manager:

- Specialized laboratory services in instrumental chemistry at the regional level on environmental and food matrices, using GC, electron microscopy, FTIR microscopy, Raman microscopy, and X-ray diffractometry, as well as radioactivity measurements
- · Data generation and validation analytical fractions of competence

2015-2018

ARPAL SCIENTIFIC DIRECTION - HEAD OF REGIONAL COMPLEX TECHNICAL UNIT

- Name and address of employer
- Type of company or industry
- Type of employment
- Main duties and responsibilities

ARPAL, Via Bombrini 8, Genoa 16149

Regional Environmental Protection Agency

Director of Complex technical Unit

Organization of the following offices:

- · Marine Center.
- · Environmental Geology,
- · GIS and Modeling,
- European Projects (until December 31, 2017)
- · Air Quality Monitoring Networks,
- Major Industrial Hazards (until December 31, 2017)

"Marine Strategy" funded by the Ministry of the Environment, Environment and the Environment.

2009-2014

ARPAL SCIENTIFIC DIRECTION - REGIONAL COMPLEX TECHNICAL UNIT- DIRECTOR OF OPERATIONAL UNIT "SPECIALISTIC TASKS"

 Name and address of employer ARPAL, via Bombrini 8, Genova 16149

- employer
 Type of company or industry
 - Type of employment
 - Main duties and responsibilities

Regional Environmental Protection Agency

Regional Environmental Protection Agency

Complex Structure Manager

Providing specialized support to the agency in various fields, such as environmental geology, biodiversity, marine environmental quality, environmental biology, environmental modeling and statistics, cartography, environmental radioactivity, ionizing radiation, and companies at risk of major accidents..

1999-2008

ARPAL SCIENTIFIC DIRECTION - Marine Coastal Sector

 Name and address of employer ARPAL, via Bombrini 8

- Type of company or industry
 - Type of employment

Simple structure manager

Main duties and responsibilities

Coordination and management of all ARPAL activities related to the marine and coastal environment: monitoring of marine environmental quality, bathing, beach nourishment, environmental emergencies, European projects, and databases.

1990-1998

Name and address of employer

Type of company or industry

Type of employment

Main duties and responsibilities

CHEMICAL LABORATORY, GENOA

Local Health Authority

Multi-Zone Prevention Center, Via Montesano 5, 16100 Genoa

Analysis Laboratory- Chemist manager

Chemical analysis of drinking, mineral, groundwater, river water and seawater.

1987-1990

Name and address of employer

- Type of company or industry
 - Type of employment
 - Main duties and responsibilities

R&D LABORATORY

Bioindustria Pharmaceuticals, Novi Ligure

Pharmaceutical Industry

Manager (Laboratory Chemist)

Synthesis and development of new active ingredients for industrial production

EDUCATION AND TRAINING

2025 ISPRA course on Climate Change: State and Evolution of the Climate, Mitigation and Adaptation (19h)

Corso RAISE c/o UNIGE: IA for Public Administration 2024 Corso Valore PA: Public Speaking in English 2023

2022 SDA Bocconi Course "Assoarpa, What Value for the Future" (June-October 2022)

2021 Understand and apply the new requirements of the ISO 9001:2015 standard

Quality in Testing Laboratories - Context Analysis and Approach to Risk Analysis and 2020 Management in a Testing Laboratory

2019 REACH Course: BIOCIDAL PRODUCTS: Regulation (EU) No. 528/2012 (BPR) and Control of Treated Articles

> Refresher Course: Waste Classification after the Entry into Force of EU Regulation 2017/997

Focus on Laboratory Accreditation Requirements Applicable to: Equipment Management - Test Methods

Waste Classification after the Entry into Force of EU Regulation 2017/997 2018

> Focus on Laboratory Accreditation Requirements Applicable to: Equipment Management - Test Methods

Emerging Pollutants: Focus on PFAS 2017

Training Course ANGQ Course

The New ISO/IEC 17025:2017 Standard: Focus on the New Quality Management System Requirements for Testing and Calibration Laboratories.

VALORE PA Course "European Planning Techniques and Tools"

The Institute of Delegation in Occupational Health and Safety

Obligations and Responsibilities of Managers (pursuant to Consolidated Law 81/08 and

subsequent amendments): the Sanctions System European Planning Techniques and Tools

7th Edition of the Study Days: Research and Application of Ecotoxicological

Methodologies

Training Workshop "Combating Marine Pollution by Hydrocarbons" - CEDRE, 2006 Documentation Center for Research and Experimentation on Accidental Water Pollution (*F*)F)

2016

2001

- Name and type of educational or training institution
- Principal subjects/professional skills covered
- · Qualification awarded

1988

1987

Bachelor's Degree in Pharmacy

Certificate of Attendance

Research Center

University of Genoa, Faculty of Pharmacy

Advanced Course in Coastal Sciences

Bachelor's Degree in Pharmaceutical Chemistry and Technology University of Genoa, Faculty of Pharmacy

Coastal Ecology and Management, Coastal Oceanography

University of Parma, Faculty of Sciences (MFN) and ENEA – Santa Teresa Marine

PERSONAL SKILLS AND

COMPETENCES

ACQUIRED OVER THE COURSE OF ONE'S

LIFE AND CAREER BUT NOT
NECESSARILY RECOGNIZED BY OFFICIAL
CERTIFICATES AND DIPLOMAS.

NATIVE TONGUE

[italian]

OTHER LANGUAGES

, |

- Reading ability
- Writing ability
- Speaking ability

[ENGLISH] [excellent]

[excellent]

[excellent]

[French]

Reading ability

Writing ability

Speaking ability

[good]

[good]

[good]

[German]

Reading ability

Writing ability

Speaking ability

[school level]

[school level] [school level]

SOCIAL SKILLS AND COMPETENCES

LIVING AND WORKING WITH OTHER
PEOPLE IN A MULTICULTURAL
ENVIRONMENT, IN POSITIONS WHERE
COMMUNICATION IS IMPORTANT, AND IN
SITUATIONS WHERE TEAMWORK IS
ESSENTIAL (E.G., CULTURE AND
SPORTS), ETC..

Remarkable interpersonal skills, ability to work in a team, and to establish cordial and productive relationships with colleagues and superiors, developed in my youth through many years of involvement in youth associations and over the course of my working years with active and enthusiastic participation in national and international projects and working groups on technical topics. I firmly believe in teamwork, which I practice with excellent results.

ORGANIZATIONAL SKILLS AND COMPETENCES

E.G., COORDINATION AND MANAGEMENT OF PEOPLE, PROJECTS, AND BUDGETS; IN THE WORKPLACE, IN VOLUNTEER ACTIVITIES (E.G., CULTURE AND SPORTS), AT HOME, ETC. As Director of the SATURN Department (State of the Environment and Protection from Natural Risks), I am responsible for all monitoring programs carried out by ARPAL on the different environmental matrices: air-water-soil, as well as for the Civil Protection's Meteorological and Hydrological Functional Center. The SATURN department manages several automatic monitoring networks (meteo-hydrological, air quality, groundwater network, wave buoy), organizes and carries out manual monitoring of surface water bodies (marine and inland) and groundwater; it is also responsible for validating and processing the data obtained and populating the regional and national databases. Furthermore, the SATURN department manages various

Pagina 4 - Curriculum vitae di [Bertolotto R.M.] numerical simulation models: meteorological models, hydrological models, air quality models, marine circulation and wave models, rainfall-induced landslide trigger models, risk analysis models, etc.

From January 1, 2022, to June 30, 2023, as Scientific Director, I was responsible for overseeing ARPAL's technical and scientific activities and for ensuring the quality and appropriateness of the services provided. I also coordinated the technical and scientific activities of the facilities. This challenging period, the need to invest PNRR funds and projects, and the conversely, the scarcity of staff and resources for services, made this a task requiring particular energy and determination. From 2019 to 2021, I directed the Regional Laboratory, with frequent need for reorganization of activities following retirements, voluntary resignations, and changing client needs. In 2020, I collaborated on the reorganization project that completely transformed the Regional Laboratory Department, modelling it after other Departments.

(2015-2018) Lead for the Western Mediterranean sub-region of the National Monitoring Program "Marine Strategy," with coordination tasks for the Regional Environmental Protection Agency (ARPA) of Sardinia, Tuscany, Lazio, and Campania and representation of these agencies at the National Steering Committee at the Ministry of the Environment.

(2001-2018) Responsible for the coastal marine environment monitoring program since 2001 (approximately €800,000/year); Project manager for monitoring the dredging of the Port of Genoa and the project manager for monitoring the dredging of the Port of La Spezia (approximately €1,000,000 each), project manager for Interreg Posidonia and Beachmed projects, Haven funding projects (approximately €5,000,000), project manager for LIFE SMILE, SICOMAR (completed) and numerous other projects (SEDRiPORT, SEDITERRA, PRISMAMED, CLIMAERA, Concert'eaux, Risq'eau, GEREMIA etc.) on various topics, such as biological indicators of the marine environment, marine waste and microplastics, marine sediments, the state of port waters, biodiversity, hydrogeological risk, underground aquifers, etc.

TECHNICAL SKILLS AND COMPETENCES
With computers, specialized equipment, machinery, etc.

OTHER SKILLS AND COMPETENCES Skills not previously listed. [USO CORRENTE PC]

- In 2004, I was the sole expert for the Mediterranean region on a working group commissioned by the Conference of Peripheral Maritime Regions (CPMR) to draft a report on maritime safety in the Italian regions, as part of the INTERREG III B "Atlantic" project (France).
- In 2006, I was part of the task force of environmental experts sent by the Ministry of the Environment to Lebanon to assess the damage resulting from the bombing of the Jiyeh coastal power plant.
- In 2008, I participated as a foreign expert in the Evaluation Committee for ecotechnologies projects under the PRECODD program of the French National Research Agency.
- ♦ 2011: Member of the Scientific Committee of the International Conference on Ostreopsis Development in Villefranche-sur-Mer
- ♦ Since 2018, I have been a contract professor and co-lead lecturer in Environmental Chemistry at the University of Genoa Department of Earth and Life Sciences.
- Since 2019, I have been a member of the Toxic Gases Commission at the ASL 3 Genovese.
- ♦ Thanks to my participation in numerous European projects, I have been able to establish a vast network of contacts at the local, national, and international levels on many environmental issues.
- I frequently participate as a member or chair of competition and selection committees for both ARPA Liguria, the Liguria Region, and other ARPAs, as well as in project evaluations on behalf of public research institutes.
- ♦ Member of the Order of Chemists and Physicists of Liguria (2019)

FURTHER INFORMATION

Publications:

- Plastic-associated harmful mcroalgal assemblages in marine environment.
 Environmental Pollution, Volume 244, January 2019, Pages 617-626;
- Simulations of dredged sediment spreading on a Posidonia oceanica meadow off the Ligurian coast, Northwestern Mediterranean. Marine Pollution Bulletin 79 (2014) 196– 204
- Il monitoraggio delle attività di dragaggio nel Porto di Genova Sinergia tra enti, tecnologie, e strategie di adattamento. Atti III Simposio "Il Monitoraggio Costiero Mediterraneo: Problematiche e Tecniche di Misura. Livorno", 15-17.10.2010. CNR-IBIMET Editor, 510-516. ISBN 978-88-902210-4-0.
- Physical and sedimentological characterisation of dredged material. Chemistry and Ecology, 26 Supplement, 359-369 (2010)
- The toxic benthic dinoflagellate Ostreopsis ovata: quantification of proliferation along Genoa coastline (Italy, NW Mediterranean sea) in summer 2006 - Marine Pollution Bulletin Volume 56, 6, 2008.
- Heavy metals in surficial coastal sediments of the Ligurian Sea- Mar.Poll.Bull. 50,2005
- Polychlorinated biphenyls and pesticides in surficial coast sediments of the Ligurian Sea, Organohalogen Compounds, 66, 2004
- Heavy metals in coastal sediments of the Ligurian Sea off Vado Ligure, Journal de Physique IV France, 2003
- Polycyclic aromatic hydrocarbons in surficial coastal sediments of the Ligurian Sea, Mar.Poll.Bull.46,2003

ALLEGATI

[Se del caso, enumerare gli allegati al CV.]

DATA: 27/07/2025 firma: Rosa Maria Bertolotto RMBertolotto