

Personal and fiscal data

Born In: .....  
Resident: .....  
Office: .....  
Tel. and Fax: ..... - Mob: .....  
C.F.: ..... - P.IVA: .....  
E-mail: .....  
Certified mail: .....

Educational qualification

March 21, 1979  
Degree in Geological Sciences at the Faculty of Science M.F.N  
of the University of Turin with the thesis  
"Hydrogeological study of the northern sector of the Cuneo plain"  
(Supervisor Prof. G. Bortolami)

Professional title

Geologist  
registered from September 02, 1981 at no. 89 of Section A of the Professional Register of the  
Regional Order of Geologists of Piedmont  
A.P.C. certified professional (Continuous Professional Update)

Other professional titles

- Former Councilor and Treasurer of the Regional Order of Geologists of Piedmont (1995-2009)
- Technical Consultant to the Judge in the Regional Court of Public Waters at the Turin Court of Appeal
- Councilor and Secretary of ANIPA - National Association of Hydrogeology, Water Wells and Geothermal Energy
- Member of the AnigHP Geothermal Section of ANIPA
- Founding member and member of the "Groundwater School and Education Association"
- Member of the Scientific Committee of the magazine "Acque sotterranee-Italian Journal of Groundwater"
- Member of IAH International Association of Hydrogeologists - Italian Chapter

Experiences

PROFESSIONAL ACTIVITY

exercised since 1981 as a freelancer mainly in the fields:

- the evaluation, enhancement and protection of groundwater resources
- geological planning, geological direction of the works and testing of works capturing groundwater
- audit in the integrated public services sector (water supply and waste disposal) aimed at quality certification and economic enhancement of systems
- of the EWS - European Water Stewardship certification based on the responsible management strategy which introduces an ethical principle in the enhancement of water resources, favoring the convergence of different interests and contributions in decision-making processes

**RESEARCH ACTIVITY**

1979-1982

as part of the numerous projects conducted by the Institute of Geology of the University of Turin on the hydrogeology of the Piedmont area

1980-1982

as part of the studies promoted by the Piedmont Region on the seismicity of the Piedmont area in the sectors of seismotectonics, neotectonics and macroseismics

a.y. 1982-1983

Polytechnic of Turin - Faculty of Architecture

Co-thesis supervisor in the field of macroseismic detection

"Analysis of the damage suffered by the building heritage located in the town of Palomonte following the earthquake of 11/23/1980. Proposed temporary solutions to deal with these types of catastrophic events"  
(Supervisor Prof. M. A. Rosa – Candidate Raffaella Raviol)

a.y. 2017-2018

University of Turin - School of Earth Sciences

Department of Earth Sciences - Master of Science in Geological Sciences

Co-thesis supervisor in the field of hydrogeology

"Hydrogeological structure of the Morainic Amphitheater of Rivoli-Avigliana"  
(Supervisor Prof. D. A. De Luca – Candidate Luca Pochettino)

**PUBLICATIONS**

1. Hydrogeological study of the northern sector of the Cuneo plain
2. Hydrogeochemical study of the northern sector of the Turin plain
3. Hydrogeological investigation on the Carmagnola-Moncalieri area [with Prof. G. Bortolami]
4. Geological and geophysical surveys preliminary to the construction of a water extraction plant on behalf of the FIAT AVIO Company
5. Data collection in drilling wells for water: a proposal for a standardized methodology

**ACTIVITY ABROAD**

1987-1988

execution of hydrogeological studies aimed at the development of technical-economic feasibility projects in the agro-industrial development sector as part of the development cooperation activity of Italy with Indonesia, Morocco and Tunisia

**TEACHING AND ADVANCED PROFESSIONAL TRAINING**

1987-1993

macro-micro-design, general coordination and teaching within the F.S.E. (European Social Fund) of vocational training at a higher level in the regions of Calabria, Molise, Piedmont and Sicily and having as its object the updating of agricultural entrepreneurs and the creation of new professional figures expert in the engineering of the territory applied to the sectors of agro-industry, waste disposal and recovery of marginal or degraded areas

2008-2018

organization, general coordination (and participation as a speaker, chairman) of conference events accredited for Continuous Professional Update (APC) in the context of GEOFLUID – Drilling & Foundations  
international exhibition of research technologies and equipment, extraction and transport of underground fluids

EGA – European Groundwater and Wells Associations and Companies  
1<sup>st</sup> (2011), 2<sup>nd</sup> (2013), 3<sup>rd</sup> (2015), 4<sup>th</sup> (2013) e 5<sup>th</sup> (2017) EGA Meeting  
organization, general coordination (and participation as a speaker, chairman)

September 03, 2008  
 Geopro S.A. – Mons – Belgio  
 The reconditioning of water wells  
 Large diameter wells

October, 2008  
 Geofluid 2008 – ANIPA – Regione Piemonte  
 Data collection in the drilling of wells for water: a proposed uniform methodology

March 12, 2009  
 Cordar S.p.A. – ANIPA  
 Wells for public drinking water: technological aspects

October 7, 2010  
 Geofluid 2010 – ANIPA  
 A case study in Piedmont Region with liquid ring heat exchange systems

2014  
 Order of Architects of the Province of Turin - Continuous Professional Update  
 Piedmont planning law n. 3/2013  
 Need, methods and technical aspects of a new city and territory planning  
 Geological support in the territorial planning process and in the definition of urban planning choices

February 19, 2015  
 ANIPA – Groundwater Association – Lombardy Geologists Order  
 Emilia-Romagna Geologists Order – Italian Thermotechnical Committee  
 Well design and heat exchange in the Po slopes  
 New UNI standard for the design of wells for water

May 20, 2016  
 Groundwater School and Education Association – ANIPA – Piedmont Geologists Order  
 Construction site geologist training course: planning and monitoring  
 activities for the construction of water wells  
 Site activities for checks during and after the construction of the wells: pumping tests and their use

April 11, 2017  
 University of Turin - Department of Earth Sciences  
 Specialized Degree in Applied Geological Sciences  
 Degree course in Applied Hydrogeology  
 Water wells and surroundings - Lectio magistralis

May 11, 2018  
 University of Turin - Polytechnic of Turin - Piedmont Geologists Order  
 Low enthalpy geothermal energy and geo-exchange  
 Great Repairs Workshops - "H" Building  
 Realization of an open-loop geo-exchange system

#### OTHER ACTIVITIES

Full member of the State Examination Commission for certification  
 to exercise the profession of Geologist in the years 1998, 2005, 2007 and 2017

Representative of A.N.I.P.A. (National Association of Hydrogeology, Water Wells and Geothermal  
 Energy) at the Italian Thermotechnical Committee (CTI) for the drafting of the  
 Technical standard UNI 11590 - Water wells, Design UNI 11590 - Water wells, Design  
 and of the new Technical standard UNI for water wells drilling

Main references

- ABC FARMACEUTICI
- ACQUEDOTTICA - GENERAL DES EAUX
- ACQUEDOTTO DELLA PIANA
- AMIAT TORINO
- ANTIBIOTICOS
- ASP ASTI SERVIZI PUBBLICI
- ASJA SERVIZI AMBIENTALI
- ASSICURAZIONI GENERALI
- AZIENDA OSPEDALIERA SAN LUIGI
- BATTAGLIO
- CASSA PER IL MEZZOGIORNO
- CCAM - CONSORZIO COMUNI ACQUEDOTTO MONFERRATO
- **Coca-Cola HBC Italia (dal 1997)**
- CSEA - CONSORZIO SVILUPPO ELETTRONICA AUTOMAZIONE
- BATTELLE MEMORIAL INSTITUTE EUROPA
- COMPAGNIA PETROLIFERA PIEMONTESE
- COMUNITA' MONTANA VALLI DI LANZO
- CONSORZIO ACQUA SALONI TROSSI BIELLA
- CONSORZIO ACQUEDOTTO SUD-CANAVESE
- CONSORZIO BIOGEST FINAGRI
- CONSORZIO IRRIGUO ISOLABELLA
- CORDAR BIELLA
- DEMANIO DELLO STATO
- ENEL - COMPARTIMENTO TORINO
- ENI - DIV. REFINING & MARKETING
- FIAT CHRYSLER AUTOMOBILES
- FIAT AVIAZIONE
- FIAT CENTRO RICERCHE
- GTT GRUPPO TORINESE TRASPORTI
- KIMBERLEY-CLARK
- INDUSTRIE PININFARINA
- PROMO.GE.CO.
- IREN SERVIZI E INNOVAZIONE
- ITALGAS
- LAVAZZA
- MINISTERO AFFARI ESTERI
- NEXITY TORINO S. CARLO
- NH HOTEL GROUP ITALIA
- NH HOTEL COLLECTION PIAZZA CARLINA
- OGR - OFFICINE GRANDI RIPARAZIONI TORINO
- PIRELLI INDUSTRIE PNEUMATICI

- PROVINCIA DI ALESSANDRIA
- PROVINCIA DI ASTI
- RAI RADIOTELEVISIONE ITALIANA
- REALE IMMOBILI
- REPLY SERVICES
- RFI - RETE FERROVIARIA ITALIANA
- SAC - SOCIETA' ACQUE CIRIACESE
- SAGAT - AEROPORTO TORINO CASELLE
- SAN PAOLO IMI
- SEI ENERGIA
- SOCIETA' METROPOLITANA ACQUE TORINO
- TIKAL RE FUND. SAI INVESTIMENTI SGR
- TORO ASSICURAZIONI
- UPIM GRUPPO LA RINASCENTE

WATER IS THE PRINCIPLE OF ALL THINGS: EVERYTHING COMES FROM WATER,  
AND EVERYTHING RETURNS TO WATER  
(THALES OF MILETUS)