

**EUROPEAN
CURRICULUM VITAE
FORMAT**



PERSONAL INFORMATION

Name
Home Address
Work Address

Telephone
Fax
E-mail

Nationality
Date of birth



GILBERTO ARTIOLI

VIA LUIGI PELLIZZO 39, I-35128 PADOVA, ITALY

DIPARTIMENTO DI GEOSCIENZE, UNIVERSITÀ DI PADOVA

VIA GRADENIGO 6, I-35131 PADOVA, ITALY

+39 049 827 9162

+39 049 827 9111

gilberto.artioli@unipd.it

Italy

03-february-1957

CAREER

2006 – to date
1999 - 2006
1992 - 1999
1983 - 1992
1994 - 1995

1988 - 1989
1983 - 1985

1981 - 1985

FULL PROFESSOR. UNIVERSITÀ DEGLI STUDI DI PADOVA, DIPARTIMENTO DI GEOSCIENZE
FULL PROFESSOR. UNIVERSITÀ DEGLI STUDI DI MILANO, DIPARTIMENTO DI SCIENZE DELLA TERRA
ASSOCIATE PROFESSOR. UNIVERSITÀ DEGLI STUDI DI MILANO, DIPARTIMENTO DI SCIENZE DELLA TERRA
RESEARCH ASSISTANT. UNIVERSITÀ DEGLI STUDI DI MODENA, ISTITUTO DI MINERALOGIA E PETROLOGIA
TECHNICAL COLLABORATOR. BROOKHAVEN NATIONAL LABORATORY, DEPARTMENT OF CHEMISTRY AND HIGH FLUX BEAM REACTOR
TECHNICAL COLLABORATOR. BROOKHAVEN NATIONAL LABORATORY, DEPARTMENT OF CHEMISTRY
TECHNICAL COLLABORATOR. BROOKHAVEN NATIONAL LABORATORY, DEPARTMENT OF CHEMISTRY AND NATIONAL SYNCHROTRON LIGHT SOURCE
RESEARCH ASSISTANT. THE UNIVERSITY OF CHICAGO, DEPARTMENT OF THE GEOPHYSICAL SCIENCES

HIGHER EDUCATION

• December 1985
• December 1980

"Doctor of Philosophy", The University of Chicago
"Laurea in Scienze Geologiche, cum laude", Università degli Studi di Modena

HONORS

• September 2018
• April 2015
• April 2015
• June 2014
• October 2013
• March-August 2007
• April 2005-June 2006
• June 1998
• June-December 1988
• September 1986
• April 1984
• October 1981-October 1982
• September 1981

Giacomo Levi Gold medal of the Italian Chemical Society-Division of Industrial Chemistry
Socio Nazionale. Accademia Nazionale delle Scienze detta dei XL
Socio Corrispondente. Accademia Galileiana di Scienze, Lettere ed Arti in Padova
International Prize Luigi Tartufari. Accademia Nazionale dei Lincei
Member. Academia Europaea
Conservation Guest Scholar, The Getty Conservation Institute, Los Angeles
Visiting Scientist. CeSMEC Center for the Study of Matter at Extreme Conditions, FIU, Miami
Fellow. The Mineralogical Society of America
Grant for research abroad, Consiglio Nazionale delle Ricerche
Premio Ugo Panichi. Società Italiana di Mineralogia e Petrologia
Travel grant. Special Cultural Enrichment Fund, Institute for International Education
Salisbury Fellowship. The University of Chicago, Division of the Physical Sciences
Fulbright Travel grant. Istituto per gli scambi culturali Italia-Stati Uniti

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE
OTHER LANGUAGES

ITALIAN
English, French

SCIENTIFIC AND ACADEMIC ACTIVITY

ACADEMIC TEACHING

UNIVERSITÀ DI PADOVA

2006-TO DATE

COURSE OF **CRYSTALLOGRAPHY - STRUCTURE OF SOLIDS**, CORSO DI LAUREA IN SCIENZE DEI MATERIALI

2016-TO DATE

COURSE OF **CRYSTAL CHEMISTRY AND PROPERTIES OF INDUSTRIAL MATERIALS**, CORSO DI LAUREA IN SCIENZE DEI MATERIALI

2006-TO DATE

COURSE OF **ENVIRONMENTAL MINERALOGY**, CORSO DI LAUREA IN SCIENZE E TECNOLOGIE PER L'AMBIENTE ED IL TERRITORIO

UNIVERSITÀ DI MILANO

2002-2007

COURSE OF **ANALYTICAL TECHNIQUES FOR CULTURAL HERITAGE**, CORSO DI LAUREA IN SCIENZE GEOLOGICHE

1998-2003

COURSE OF **APPLIED MINERALOGY**, CORSO DI LAUREA IN SCIENZE GEOLOGICHE

1996-2007

COURSE OF **CRYSTALLOGRAPHY**, CORSO DI LAUREA IN SCIENZE GEOLOGICHE

1992-1998

COURSE OF **MINERALOGY**, CORSO DI LAUREA IN CHIMICA E CHIMICA INDUSTRIALE

UNIVERSITÀ DI MODENA

1986-1992

TEACHING ASSISTANT, COURSE OF MINERALOGY, CORSI DI LAUREA IN SCIENZE GEOLOGICHE, CHIMICA E SCIENZE NATURALI

1984-1986

TEACHING ASSISTANT, COURSE OF PETROGRAPHY, CORSO DI LAUREA IN SCIENZE GEOLOGICHE

THE UNIVERSITY OF CHICAGO

• January - March 1983

TEACHING ASSISTANT, COURSE OF INTRODUCTION TO GEOLOGICAL SCIENCES

• October - December 1982

TEACHING ASSISTANT, COURSE OF PETROLOGY

TUTORING

1988-2015

TUTOR OF **>60** UNDEGRADUATE AND MASTER DISSERTATIONS

1994-2015

TUTOR OF **>20** PHD DISSERTATIONS

SCIENTIFIC PRESENTATIONS

INVITED LECTURES

>125 Invited lectures and seminars at Academic Institutions, Public Schools, and Cultural Institutes (List in **Annex 1**)

PRESENTATIONS AT SCIENTIFIC
CONFERENCES AND SCHOOLS

>430 Presentations and contributions to Scientific Conferences, Meetings, Workshops, and Schools (list in **Annex 2**)

SCIENTIFIC PUBLICATIONS

PUBLICATIONS IN PRINT

H-INDEX

>370 publications and books (List in **Annex 3**)

H-INDEX

38 (ISI Web of Science)(Researcher ID F-2149-2015)

H-INDEX

38 (Scopus Author ID 56582666300)

H-INDEX

43 (Google Scholar)

ORCID

<https://orcid.org/0000-0002-8693-7392?lang=en>

MANAGING, SERVICES

2017-TO DATE

Member of the panels for the evaluation of experiment proposals (Panel ISP-7) at ISIS, Rutherford Appleton Laboratory, Didcot, UK

JANUARY 2015

Scientific responsible of the OpenLab Turkey initiative organized by UNESCO-IUCr-PANalytical-University of Bilkent, Ankara

2014-TO DATE

Chairman of the Commission on Crystallography in Art and Cultural Heritage (CrysAC) of the International Union of Crystallography (IUCr). <http://www.iucr.org/iucr/commissions/ccach>

JUNE 2014	Scientific responsible of the OpenLab Ghana initiative organized by UNESCO-IUCr-PANalytical-University of Ghana, Accra
OCTOBER 2013-MARCH 2014	Organizer of the CRISTALLI! Exhibition held on the occasion of the International Year of Crystallography 2014 promoted by UNESCO and IUCr
2011-2014	Consultant of the Commission on Crystallography in Art and Cultural Heritage (CrysAC) of the International Union of Crystallography (IUCr)
2010-TO DATE	Director of the Centro Interdipartimentale di Ricerca per lo "Studio dei materiali cementizi e dei leganti idraulici" (CIRCe) of the Università degli Studi di Padova
2010-TO DATE	Scientific responsible of the Museum of Mineralogy, Università di Padova
2010	Member of the Max Perutz ECA Prize Committee
2008-TO DATE	Member of the CNR committee for the IUCr activities
2006-2009	Director of the Doctorate School on Earth Sciences, Dipartimento di Geoscienze, Università degli Studi di Padova
2001-2002	Member of the Science Advisory Committee, ESRF, Grenoble
2000-2006	Director of the Doctorate School on Earth Sciences, Dipartimento di Scienze della Terra, Università degli Studi di Milano
1999-2002	Member of the Crystallography panel for the evaluation of experiment proposals (Panel ISP-1) at ISIS, Rutherford Appleton Laboratory, Didcot, UK
1998-2004	Member and Vice-chairman of the European Powder Diffraction Conferences (EPDIC) Committee
1998-2004	Member of the Structure Commission of the International Zeolite Association (IZA)
1998-2003	Member of the Chemistry panel for the evaluation of experiment proposals at ESRF, Grenoble
1997-2000	Invited member of the International Centre for Diffraction Data (ICDD)
1995-1999	Member of the CNR <i>Commissione di studio per il coordinamento delle attività di radiazione di sincrotrone</i>
1995-1998	Member of the evaluation committee of experiment proposals at the GILDA beamline, ESRF, Grenoble
1995-1996	Member of the working group for the scientific case of the European Science Foundation concerning the European Spallation Source (ESS)
1993-1996	Member of the <i>International Committee on New Minerals and New Mineral Names: Subcommittee on Natural Zeolites, Chairman D.S. Coombs</i>
1992	Founding member of the Società Italiana di Luce di Sincrotrone (SILS)

MAJOR GRANTS

2018-2021	Scientific responsible of the research agreement between Università di Padova e MAPEI S.p.a. on cement materials. 4 years project funded by MAPEI
2013-2015	National coordinator of the project COFIN2010-2011 "Mineral-biosphere interaction: consequences for the environment and human health"
2007-2017	Scientific responsible of the research agreement between Università di Padova e MAPEI S.p.a. on cement materials. 10 years project funded by MAPEI
2006-2009	Scientific coordinator of the project "Prehistoric pyrotechnology: insights on hominid behaviour from high resolution study of combustion features". Funded by EU (FP6-2005-Mobility-6) as Marie Curie International Outgoing Fellowship (OIF) in collaboration with Paul Goldberg (University of Boston)
2006	Scientific coordinator of the project "L'inizio della metallurgia nell'area alpina: studio analitico delle evidenze archeologiche dell'Italia del Nord". Progetto Galileo 2006/2007 , funded by the Università Italo-Francese in collaboration with David Bourgarit (C2RMF, Louvre, Paris)
2004-2006	National coordinator of the project COFIN2004 "Microstructure, morphology, and reactivity: modeling and measurement of crystallization and dissolution processes in minerals"
2002-2004	National coordinator of the project COFIN2002 "Mechanisms of surface reactions in minerals: kinetics of dissolution and growth, and their modeling"
2000-2002	National coordinator of the project COFIN2000 "Surface chemical reactions in minerals: intercalation and adsorption processes"

ORGANIZATION OF MEETINGS, WORKSHOPS, SCHOOLS

JANUARY-FEBRUARY 2019

(scientific organizer and chair of >60 sessions and symposia at national and international meetings in the period 1991-2018)

Chair of the Scientific Committee of the 2nd Pan African Conference on Crystallography PCCr2, Accra, Ghana, 28 January-2 February 2019

MAY 2018	3 rd CrysAC Workshop “Recent advances in the investigation of ancient mortars and binders”, Merida, 20 May 2018
MAY 2017	2 nd CrysAC Workshop “Applied crystallography in the study of pigment degradation”, Brno, 31 May 2017
MAY 2016	1 st CrysAC Workshop “Cultural heritage authentication and forensic science”, Krakow, 18 May 2016
APRIL 2014	Main organizer of the 3 rd International Mortar Dating Workshop. Padova, 14-16 April 2014
NOVEMBER 2012	Organizer and chair of the Workshop on “Geopolymers: present and future”, Mapei Auditorium, Milano, 16 november 2012
FEBRUARY 2012	Organizer and Chairman of the PANalytical Workshop on “Advanced XRD applications”, Bologna, 14 february 2012
MARCH 2005	Organizer of the International PANalytical Workshop on “Non ambient diffraction”, Tirrenia
JUNE 2004	Co-organizer of the National GNM School on “Proprietà ed applicazioni dei minerali alla nanoscala”
APRIL 2003	Co-organizer of the National AIC School on “Meccanismi della crescita cristallina: fondamenti e applicazioni”
JUNE 1996	Chairman and main organizer of the 5 ^a European Powder Diffraction Conference, Parma, Italy
MARCH 1995	Co-organizer of the 4th National School on “Diffrattometria a raggi X su materiali policristallini”, Gargnano, BS
SEPTEMBER 1991	Organizer of the 1st National school on “Metodi avanzati di analisi diffrattometrica di campioni policristallini”, Modena

EDITORIAL ACTIVITY

EDITOR

2017-2018 **Editor of the *Encyclopedia of Archaeological Sciences*, Wiley-Blackwell**

2016 **Editor of *Elements*, special issue on *Earth Sciences for the Cultural Heritage*, February 2016**

2013-to date. **Member of the Editorial Board of *PCA European Journal of Post-Classical Archaeologies***

2009-to date. **Managing Editor of *Archaeometry***

2008-to date. **Associate Editor of the Journal *Archaeological and Anthropological Sciences***

2003-2009. **Member of the Advisory Board of *Archaeometry***

2002-to date. **Member of the Scientific Committee of the *Rivista Mineralogica Italiana***

1996-to date. **Member of the International Advisory Board of *Materials Science Forum***

1995-1999. **Associate Editor of the *American Mineralogist***

REFEREE

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|--|---|
| – <i>Acta Crystallographica B</i> | – <i>Journal of Archaeological and Anthropological Sciences</i> |
| – <i>American Mineralogist</i> | – <i>Journal of Cultural Heritage</i> |
| – <i>Applied Physics A</i> | – <i>Journal of Inclusion Phenomena</i> |
| – <i>Archaeometry</i> | – <i>Journal of Physics and Chemistry of Solids</i> |
| – <i>Associazione Italiana Archeometria</i> | – <i>Journal of Synchrotron Radiation</i> |
| – <i>Associazione Italiana Zeoliti</i> | – <i>The Journal of Physical Chemistry</i> |
| – <i>Bulletin de Mineralogie</i> | – <i>Intern. Committee on Natural Zeolites</i> |
| – <i>Canadian Mineralogist</i> | – <i>Microporous and Mesoporous Materials</i> |
| – <i>Clays and Clay Minerals</i> | – <i>Mineralogical Magazine</i> |
| – <i>Construction and Building Materials</i> | – <i>Mineralogy and Petrology</i> |
| – <i>Cristallography Reviews</i> | – <i>Nuovo Cimento</i> |
| – <i>European Journal of Inorganic Chemistry</i> | – <i>Periodico di Mineralogia</i> |
| – <i>European Journal of Mineralogy</i> | – <i>Physics and Chemistry of Minerals</i> |
| – <i>European Physical Journal Plus</i> | – <i>Physics Review Letters</i> |
| – <i>Geochimica and Cosmochimica Acta</i> | – <i>Zeitschrift für Kristallographie</i> |
| – <i>Journal of Applied Crystallography</i> | |
| – <i>Journal of Archaeological Sciences</i> | |

PROJECT REVIEWER

European Research Council (ERC) – European Science Foundation (ESF)

Progetti di Ricerca di Interesse Nazionale (PRIN) – Min. Istruzione, Università e Ricerca (MIUR)

Valutazione dei prodotti e della qualità della ricerca (VQR)

Swiss National Science Foundation (SNSF)
Austrian Science Fund (FWF)
ETH Zurich Research Commission
FWO Research Foundation - Flanders (Fonds Wetenschappelijk Onderzoek - Vlaanderen)
Leibniz Research and Cooperation Projects – The Leibniz Association, Bonn
The British Academy (BA) – Leverhulme Grants
Georgia National Science Foundation (GNSF) – Shota Rustaveli Foundation
NSC National Science Centre, Poland
Russian Science Foundation (RSF) – Russian International Affairs Council (RIAC)
The Rutherford Appleton Laboratory (RAL) International Fellowship Programme
Università di Torino (UNITO) – Compagnia di San Paolo
Università Italo-Francese (UIF) – Progetti Vinci
Weizmann Institute – Rehovot, Israel

