

CURRICULUM VITAE Prof. DANIELA ASCENZI

Dipartimento di Fisica, Università degli Studi di Trento
 Via Sommarive 14; I-38123 Povo, Trento (TN) ITALY
 Phone: +39 0461 28 1693 Fax +39 0461 28 1696
 e-mail: daniela.ascenzi@unitn.it
 web : <http://www.science.unitn.it/labfm/pmwiki/pmwiki.php?n=Ascenzi.Ascenzi>
 ResearcherID B-4096-2009 (<http://www.researcherid.com>)

PERSONAL DETAILS

Date and Place of Birth 27th August 1969, Fermo (AP) ITALY
Nationality Italian
Languages Italian (mother tongue), English (fluent)
Status married, one daughter (international adoption, arrival date in Italy 22/9/2014)

PROFESSIONAL POSITIONS

1/10/14-to date Associate professor of General and Inorganic Chemistry (CHIM03 03/B1),
 Department of Physics, University of Trento, Italy
 2005-30/09/14 Researcher in General and Inorganic Chemistry, Dept. Physics, Univ. Trento, Italy

POST GRADUATE POSITIONS / FELLOWSHIPS

2000 – 2004 post-doc in the group of Prof. Davide Bassi, Molecular Physics Lab.
 Dept. Physics, University of Trento, Italy
 1998 – 2000 post-doc with Prof. Andrew J. Orr-Ewing, School of Chemistry,
 University of Bristol, UK

EDUCATION & QUALIFICATION

2012 “Abilitazione Scientifica Nazionale” to associate professor in the Chemical Sciences (in sectors 03/B1 “Fondamenti Delle Scienze Chimiche e Sistemi Inorganici” and 03/B2 “Fondamenti Chimici delle Tecnologie”)
 1998 PhD in Chemistry, University of Perugia, Italy.
 Supervisor: Proff. F. Pirani, V. Aquilanti
 1995 “Abilitazione” to the chemical profession, University of Perugia, Italy.
 1993 Master’s degree (Laurea) in Chemistry (summa cum laude),
 University of Perugia, Italy.
 1988 Diploma from “Liceo Scientifico” (60/60 full marks) at Fermo (AP) Italy.

RESEARCH INTERESTS / ACTIVITIES

The scientific interests of Prof. Daniela Ascenzi are in the field of gas-phase physical chemistry and her main research fields are: elementary processes and reaction dynamics in the gas phase via molecular beams and mass spectrometric techniques; structure and reactivity of singly and multiply charged ions; chemical synthesis in cold plasmas; astrochemistry: chemical reactions in the interstellar space and planetary atmospheres; photoionization and photodissociation dynamics via lasers and synchrotron radiation; mass spectrometry of organic molecules and biomolecules;

She has active collaborations with scientists in the following institutions: Dept. Molecular Physics, Stockholm University (Sweden); Heyrovsky Institute of Physical Chemistry and Institute of Chemistry & Biochemistry, Academy of Science of the Czech Republic; Charles Prague University, Prague (Czech Republic); Laboratoire de Chimie Physique CNRS & Université Paris-Sud Orsay

(France); Departament de Química Física, Universitat de Barcelona, (Spain); Department of Chemistry, University of Turin (Italy); Elettra Sincrotrone Trieste (Italy); Department of Chemistry, University of Perugia (Italy); Dept. Pharmacy, University G. d'Annunzio Chieti-Pescara

She has presented the results of her research, as contributed talk, in more than 40 domestic and international congresses, often as invited speaker.

She regularly acts as reviewer for numerous peer-reviewed journals such as Journal of Physical Chemistry, International Journal of Mass Spectrometry, PCCP, JACS, Analyst, and for the National Science Foundation

2014-present: participant in the COST Action CM1401 "Our-astrochemical history"

2012-present: participant in the COST Action CM1204 "XUV/X-ray light and fast ions for ultrafast chemistry (XLIC)"

2010-2013: participant in the COST Action CM0805 "The Chemical Cosmos: Understanding Chemistry in Astronomical Environments"

2010-2012 P.I. in the bilateral research program CNR-AVCR "Ion-molecule reactions relevant to Titan's ionosphere"

2007-2009 P.I. in the bilateral research program CNR-AVCR "Gas-phase chemistry and physics of new rare-gas compounds"

2009-present: P.I. of various successful beamtime applications at SOLEIL and ELETTRA Synchrotron Radiation Facility

2006-2007 Member of the UNITN Unit for the "Progetto di Rilevante Interesse Nazionale" (PRIN 2005) founded by italian university ministry on "Studio sperimentale di processi collisionali nei plasmi e nei fasci supersonici. Applicazioni alle tecnologie energetiche, ambientali, e delle nano-strutture"

RESEARCH OUTCOMES

Co-author of more than 68 scientific publications on international peer-reviewed journals, book-chapters, and many conference proceedings.

According to the ISI Web of Knowledge (on 14/11/2016) overall her work collected about 1527 citations, with an h-index=22

ADDITIONAL INFORMATIONS

From September 2014 until March 2015 D.A. was on *maternity leave*

From Jan 2017: Member of the International Scientific Committee of SASP (Symposium on Atomic, Cluster and Surface Physics)

Oct 2015-present: Representative of the Physics Department in the University of Trento Committee for Gender Equality and Diversity

May 2014-present: Member of the Executive Board of the Physics PhD program at Univ. Trento

2009 - present Delegate of the Physics Dept. for the stage and placement of students in the Bachelor and Master degrees in Physics at University of Trento

2007: Guest Editor of the special issue of CAMOP Section of Physica Scripta vol. 76 (3) 2007, featuring Comments from MOLEC XVI

2006: Chairman and organizer of the MOLEC XVI 2006 European Conference on the Dynamics of Molecular Systems, Levico Terme, IT

TEACHING ACTIVITY (at the University of Trento)

A.A. 2011-present: lecturer in the course of "General and Inorganic Chemistry" (9 CFU) for the Bachelor degree in Biomolecular Science and Technologies.

A.A. 2008-present: lecturer (for the laboratory classes) in General Chemistry with Laboratory (6 CFU) for the Bachelor degree in Physics.

A.A. 2012-2013 and A.A. 2006-07: lecturer in the course "Laboratory of Energy Conversion Processes" (6 CFU) for the Master Degree in Physics.

2008-2010: lecturer (for the laboratory classes) in General and inorganic Chemistry (9 CFU) for the Bachelor degree in Biomolecular Science and Technologies.

2006-2007: lecturer (for the laboratory classes) in "Physics III", bachelor degree in Physics.

2005-06: lecturer (for the laboratory classes) in "Laboratory of Energy Conversion Processes", Master Degree in Physics.

TUTORING of STUDENTS

In the last 10 years she has been supervisor of two PhD students in Physics: (Andrea Cernuto "Dottorato di Ricerca in Fisica XXX Ciclo"; Julia Aysina "Dottorato di Ricerca in Fisica XXIV Ciclo", Thesis title: Experimental study of ion-molecule reactions of aromatic hydrocarbons. Thesis discussed in December 2011) and of three Master degree students in Physics.

She regularly acts as a principal member of the examining board ("controrelatore") for thesis in Physics at the Bachelor and Master level.

Member of the examining board for a PhD thesis in Chemistry, University of Perugia, Dept. of Chemistry, Biology and Biochemistry. Candidate: Gianmarco Vannuzzo, thesis title: Dynamics studies of combustion relevant bimolecular reactions. Tutor: Prof. Piero Casavecchia - Thesis to be discussed on 11th April 2017

Member of the examining board for a PhD thesis in Physics, Stockholm University, Dept. of Physics. Candidate: Erik Vigren, thesis title: Dissociative recombination of organic molecular ions of relevance for interstellar clouds and Titan's upper atmosphere. Tutor: Dr. Wolf Dietrich Geppert - Thesis discussed on 26th November 2010

EDUCATIONAL and PUBLIC OUTREACH

She has been involved in initiatives related to Popularization of Science and High School Student Career Counselling (public speech on "Astrochemistry: molecules at the origin of life in the Universe" at Liceo Scientifico Rosmini, Rovereto (TN), maggio 2015)