
Marta Erminia Alberto, PhD

ACADEMIC ACTIVITY AND EDUCATION

- 2020- Current **Tenure Track Researcher (Physical Chemistry)**
Chemistry and Chemical Technologies Department, University of Calabria
(RTD-B- art.24 L 240/2010, SSD CHIM/02)
- 2015-2017 **MSCA-Individual Fellowship at ENSCP-Chimie ParisTech, Paris, France**
Project: “Rational design of combined PDT photosensitizers and
chemotherapeutic agent as new approach in cancer therapy” (Project Number
652999 “COMBPDCEMOTHERAPY”)
- 2014-2015: **Post-Doc Fellowship**, Faculty of Engineering, Department of Computer Science,
Modelling, Electronics and Systems Engineering (DIMES), University of Calabria
- 2012-2014: **Post-Doc Fellowship**, Faculty of Mathematical, Physical and Natural Sciences Chemistry
and Chemical Technologies Department, University of Calabria
- 2011-2012: **Post-Doc Fellowship**, Faculty of Mathematical, Physical and Natural Sciences Chemistry
and Chemical Technologies Department, University of Calabria
- 05/11- 06/11: **Research Activity**, Fondo de Cooperación Internacional Unión Europea-México
“Red de Química teórica para el medio ambiente y salud”
Departamento de Química, División de Ciencias Básicas e Ingeniería, Universidad
Autónoma Metropolitana-Iztapalapa. **Mexico City (MEXICO D. F.)**
- 04/09 –09/09: **Research activity grant-** POR-FSE Calabria 2007-2013 -
Department of Chemistry, Faculty of Sciences, Porto University –**PORTUGAL-**
- 05/07 –07/07 **High-Performance Computer International research activity grant HPC-Europa**
- Pan-European Research Infrastructure on High Performance Computing research grant
(<http://www.hpc-europa.org/>) IDRIS-Institut du Développement et des Ressources en
Informatique Scientifique Paris- **FRANCE-**
- 2007 – 2010 **PhD in “Methods in Inorganic Chemistry”** (Dissertation 13.12.10)
• PhD Thesis: “On the roles of metal ions in bioinorganic chemistry: computational
insights” Faculty of Mathematical, Physical and Natural Sciences, Chemistry
Department, University of Calabria, Italy
- 2005 – 2007: **European Master in Theoretical Chemistry and Computational Modelling (TCCM)**
<http://www.emtccm.org/>
- 2005 – 2007: **Master Degree in Chemistry. Mark 110/110 cum laude (5.10.07)**
• Master Thesis “Theoretical simulation of absorption spectra of xanthenes dyes”
Faculty of Mathematical, Physical and Natural Sciences, Chemistry Department,
University of Calabria, Italy

Marta Erminia Alberto, PhD

2002- 2005	Bachelor in Chemistry. Mark 110/110 cum laude (Dissertation 14.12.05) <ul style="list-style-type: none">• Final Thesis: <i>“Computational Investigation of the Conformational Structure of the $(\gamma\text{-Glu-Cys})_2\text{-}\beta\text{-Ala}$ and its complex with Cd(II), by MM and MD techniques”</i> Faculty of Mathematical, Physical and Natural Sciences, Chemistry Department, University of Calabria, Italy
2005:	ERASMUS PROJECT Chemistry Department, Universidade de Santiago de Compostela (Spain)
1997- 2002	High School Degree. Marks 100/100

PROFESSIONAL ACHIEVEMENTS

10/04/17	Abilitazione Scientifica Nazionale ASN Professore Seconda Fascia – Settore 03/A2 MODELLI E METODOLOGIE PER LE SCIENZE CHIMICHE
12/04/17	Abilitazione Scientifica Nazionale ASN Professore Seconda Fascia – Settore 03/B1 FONDAMENTI DELLE SCIENZE CHIMICHE E SISTEMI INORGANICI
2020-Current	Member of the Editorial Board of the journal Applied Sciences (Chemistry Section)
2021-Current	Member of the Editorial Board of the journal Molecules (Theoretical and Computational Chemistry Section)

PRIZES AND MEDALS

- **“DE SANTIS-ITALFARMACO Prize 2014”**
National Prize from the Italian Chemistry Society (Chemistry of biological systems division)
- **“MEDAGLIA “Bernardino Telesio” 2014** Prize from the Italian Chemistry Society (Calabria division)
- **“MIGLIOR LAUREATO 2007” Award “Best graduate student 2007**, University of Calabria

TEACHING ACTIVITIES

aa. 2021-22	“Biological Physical Chemistry” Chemistry and Chemical Technologies Department, (L. Chimica), University of Calabria
aa. 2020-21	“Chemical Bond and Structures” Physics Department (L.M. in Fisica), University of Calabria
aa. 2016-17	“Principles and Applications of Photodynamic Therapy” <i>for PhD students of Translational Medicine</i> PhD course, University of Calabria
a.a. 2009-10; 2012-13	Teaching assistant in the field of “General Chemistry” Chemistry and Chemical Technologies Department, University of Calabria
a.a. 2011-12	Teaching assistant in the field of “Theoretical Inorganic Chemistry” Chemistry and Chemical Technologies Department, University of Calabria

Marta Erminia Alberto, PhD

LANGUAGES KNOWLEDGE

Italian Mother Tongue;
Spanish: Excellent;
English: Very Good
French: Good

MEMBERSHIP OF SCIENTIFIC SOCIETIES

Member of the Italian Chemistry Society from 2007

REVIEWER ACTIVITY

Phys Chem Chem Phys, RSC
The Journal of Physical Chemistry, ACS
Inorganic Chemistry ACS

Chemical Biology and Drug Design, Wiley
Spectrochimica Acta
Molecular Modeling, Springer
Journal of Anti-Cancer Agents in Medicinal Chemistry

AUTHOR CITATIONS REPORTS (September 2021)

Scopus and (*Web of Science*) author citation report:

Publications **50**
h-index **23 (22)**
Citations **1085 (1082)**

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INVITED ORAL COMMUNICATIONS TO NATIONAL AND INTERNATIONAL CONFERENCES

1. **Invited Speaker** "19th Congress of The European Society for Photobiology ESP", 30 August-3 September **2021**, www and Salzburg, AT
2. **Invited Speaker** "THEOBIO 2017", 26-30 June **2017**, San Sebastian (SPAIN)
3. **Invited Conference** BICOCCA University, May **2017** Biotechnology Department (ITALY)
4. **Invited Plenary Lecture** "IV edition workshop Metodi computazionali in chimica e biochimica", September **2015**, Vignale Monferrato, AL (ITALY)
5. **Invited Speaker** "XXV National Congress of the Italian Chemistry Society" September **2014**, Arcavacata di Rende, CS, Italy (winner of the "ITALFARMACO National Prize")
6. **Invited Speaker** "THEOBIO **2009**", 30 June - July 3rd 2009, Roscoff, (FRANCE)
7. **Invited Seminar** "Ciclo de Conferencias da Quimica Teorica e Computacional **2009**", 22nd July 2009, Department of Chemistry, Faculty of Sciences, Porto University, Porto, (PORTUGAL)

ORAL COMMUNICATIONS TO NATIONAL AND INTERNATIONAL CONFERENCES

1. **Oral Communication** "XLVII Congresso Nazionale della Divisione di Chimica Inorganica della Società Chimica italiana" September 8-12, **2019**, Bari
2. **Oral Communication** "CAT-ICBCS Workshop", November 3,4, **2017**, Unical, CS, Italy
3. **Oral Communication** "ACS National Meeting", April 2-6, **2017**, San Francisco, USA
4. **Oral Communication** "EuCheMS Chemistry Congress", September 11-15, **2016** Sevilla, SPAIN
5. **Oral Communication** "QUITEL 2014", November 21-December 1st, **2014**, Islas Galapagos, ECUADOR
6. **Oral Communication** "Il Avogadro Colloquia, 27-9-**2013**, Scuola Normale Superiore di Pisa, ITALY
7. **Oral Communication** "THEOBIO 2011, June 8-12, **2011** Madeira, PORTUGAL
8. **Oral Communication** "Il Reunión de la Red de Química Teórica para Medio Ambiente y Salud" June 26-30, **2010**, Cetraro, CS, ITALY;

POSTER COMMUNICATIONS TO NATIONAL AND INTERNATIONAL CONFERENCES

1. Photodynamic Therapy and Photodiagnosis update Congress, October 24-28, **2016**, Nancy, FRANCE
2. ESPA2016, June 28 - July 1, **2016**, Castellón de la Plana, SPAIN
3. QUITEL **2013**, June30- July 5, Granada, SPAIN

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4. Hypomap meeting, May 5-10, **2012**, Goa, INDIA
5. Kathmandu 2012 Workshop on Theoretical Chemistry, May 1-5, **2012**, Kathmandu, NEPAL
6. XXIV National Congress of the Italian Chemistry Society, September 11-16, **2011**, Lecce, ITALY
7. III Reunión de la Red de Química Teórica para Medio Ambiente y Salud, June 14-19 **2011**, Palma de Mallorca, SPAIN
8. XXXVIII Congresso Nazionale della Divisione di Chimica Inorganica della Società Chimica italiana, September 13-16, **2010**, Trieste, ITALY
9. THETIS Theoretical Tools for in-silico Spectroscopy, February 18-20, **2009**, Pisa, ITALY
10. XXXIV QUITEL, July 3-8, **2008**, Cetraro, ITALY

Data 14.09.21