

## CURRICULUM VITAE ET STUDIORUM: PROF. Adele Mucci



**Present Position:** Associate Professor (Organic Chemistry) at the Dipartimento di Scienze Chimiche e Geologiche (DSCG) of the Università di Modena e Reggio Emilia

**Address:** Via G. Campi 103, 41125, Modena. Phone: +39 0592058636

Email: [adele.mucci@unimore.it](mailto:adele.mucci@unimore.it)

Web site: <https://>

ResearchID: <http://www.researcherid.com/rid/M-6053-2015>

ORCID ID: [orcid.org/0000-0003-3303-8761](http://orcid.org/0000-0003-3303-8761)

### EDUCATION

- September 1990 Ph. D. in Chemistry at Università di Modena, Parma and Ferrara, with a thesis entitled 'Aspetti conformazionali relativi alla rotazione interna intorno al legame C-S in solfossidi di sistemi aromatici ed eteroaromatici' under the supervision of Prof F. Taddei.
- July 1985 Degree in Chemistry (summa cum laude) at the Università di Modena, under the supervision of Prof. P. G. De Benedetti

### PREVIOUS POSITIONS AND FELLOSHIPS

- From September 1992 to October 2002 Researcher at Università di Modena e Reggio Emilia
- From November 1989 to September 1992 High School teacher
- From April 1987 to October 1989 Ph. D. Fellowship, Università di Modena.
- From September 1985 to April 1987 High School substitute teacher

### BRIEF DESCRIPTION OF THE RESEARCH ACTIVITY

- **Nuclear magnetic resonance** applied to synthetic organic chemicals, natural extracts, natural and synthetic polymers, metalloorganic complexes, supramolecular systems and solids.
- **Metabolomics** through HR-MAS NMR of human, animal and plant tissues.
- **Thiophene based functional materials** belonging to the organic semiconductor class.
- **Materials for energy transition** to be used in fuel cells or electrolyzers.

### TEACHING ACTIVITIES

- Tecniche spettroscopiche di identificazione strutturale at the master degree course in Scienze Chimiche, Università di Modena e Reggio Emilia (academic years: 2008-09 and from 2010-11 to present).
- Chimica Organica 2 at the Chemistry degree course, Università di Modena e Reggio Emilia (academic years: from 2006-07 to present).
- Module of Organic Chemistry, within Chimica e Biochimica at the Biomedical Laboratory Techniques degree course, Università di Modena e Reggio Emilia (academic years: 2017-18 to present).
- Chimica Organica delle Macromolecole at the master degree course of Scienze Chimiche, Università di Modena e Reggio Emilia (academic year: 2009-10).
- Metodi Spettroscopici in Chimica Organica at the Chemistry degree course, Università di Modena e Reggio Emilia (academic years: from 2002-03 to 2009-10).

- Metodi Fisici in Chimica Organica at the master degree course of Chimica, Università di Modena e Reggio Emilia (academic years: from 1999-2000 to 2002-03).
- Modules within Laboratorio di Chimica Organica I (Laurea in Chimica), Chimica Organica I (Laurea in Chimica), Chimica Organica II (Laurea in Chimica), Proprietà e caratterizzazione chimica dei materiali (Laurea in Scienza dei Beni Culturali) (academic years: from 2000-01 to 2002-03).

#### **SUPERVISION OF PhD STUDENTS, POSTDOCTORAL and RESEARCH FELLOWS**

- **XXIII cycle**, Supervisor of a Ph.D. Student in Chemistry, Dr. D. Pinetti working on a thesis entitled “MALDI-TOF Characterization of Complex Thiophene-Based Polymer Systems”
- **XXI cycle**, Supervisor of a Ph.D. Student in Chemistry, Dr. L. Preti working on a thesis entitled “Synthesis and Characterization of  $\beta$ -functionalized oligothiophenes”
- **XX cycle**, Co-supervisor of a European Ph. D. student in Biochemistry XX ciclo, Dr. V. Righi working on a thesis entitled, “Biochemistry in healthy and neoplastic human tissues: metabolic alteration revealed by HR-MAS nuclear magnetic resonance spectroscopy”.
- **2014-2016**. Supervisor of one post-doctoral fellow, Dr. F. Tassinari working on a project entitled ‘Sintesi di polimeri semiconduttori per applicazioni in dispositivi elettronici a base organica’.
- **2019-2020** Supervisor of one research fellow, Dr. M. Imperato, working on the CARCOM project.

#### **ACADEMIC DUTIES**

- Member of the Research & Development Commission of DSCG
- Scientific director of the Biblioteca Scientifica Interdipartimentale
- Past member of RAR commission of DSCG and of the Giunta of DSCG and of the Dipartimento di Chimica.

#### **AWARDS**

- **2017**: National Scientific Enabling (ASN) for the position of Full Professor in the sector **CHIM-06**

#### **MEMBERSHIPS AND APPOINTMENTS**

- Coordinator of Gruppo Interdivisionale Risonanze Magnetiche (GIRM) of the Società Chimica Italiana (SCI) 2024-2026.
- Member of GIRM and Enerchem of the Società Chimica Italiana (SCI)
- Member of the Gruppo Italiano Discussione Risonanze Magnetiche (GIDRM)
- Member of the Board of GIRM of SCI 2018-2020, 2015-2017, 2009-2011 e 2006-2008.
- Member of the Doctorate School ‘Models and Methods for Material and Environmental Sciences’, Università di Modena e Reggio Emilia, from 2017.
- Member of the Doctorate School in ‘Physics and Nanosciences’, Università di Modena e Reggio Emilia, from 2010 to 2015.
- Member of the Board of Doctorate in Chemistry, Università di Modena e Reggio Emilia, from 2010 to 2015.
- Member of the Board of Doctorate in Biochemistry, Università di Bologna, from 2004 to 2006.

#### **OTHER INFORMATION**

- Total number of publications in scientific journals: 157
- Total number of congress communications: 134.
- Total number of book chapters: 8 + 1 translation.

Modena 23-03-2024

Odele Mura