

SHORT CURRICULUM VITAE PROF. LUCIA D'ACCOLTI

EDUCATION:

- Enrolled at University of Bari, November 1983; Chemistry Curriculum. Doctorate Degree (equivalent to Master) in Chemistry Sciences, 1990. Thesis in Organic Chemistry, University of Bari (Italy).
- Ausimont (Milan, Italy) Fellow (May 1990-May 1992) and Italian National Research Council (C.N.R.) Fellow (1993) at Chemistry Department, University of Bari.
- Visiting Scholar, Chemistry Department, Brown University, June 2, 1993 to May 28, 1994. Supervisor prof. J. O. Edwards
- Tenured Research Scientist, University of Bari-Chemistry Department. June 1994 to 2019.
- Visiting research, Chemistry Department, UCLA University June 1999-September 2000 and September 2001- November 2001.
- Visiting Professor Department of Chemistry at Brooklyn College of the City University of New York (CUNY) September 2019
- Associate Professor in Organic Chemistry University of Bari-Chemistry Department 2019 to present
- Member of Doctoral School of Chemical Sciences-University of Bari from to 2007
- Member of the Editorial Board for the journal The Scientific World JOURNAL (IF 1,529) and Recent Innovations in Chemical Engineering
- Guest Editor for Molecules (MDPI)
- 85 publications on major journals (h-index 22)
- 43 Congress Communications: 3 as Oral and 4 as Invited speaker

TEACHING ACTIVITIES

- Organic Chemistry Laboratory I (C.d.L. Chemistry, from 2001 to 2017)
- Reaction Mechanisms in organic chemistry (C.d.L. Chemistry, from 2000 to 2006)
- Special Techniques and Organic Synthesis (C.d.L. Chemistry, 1998/99)
- Organic Chemistry (C.d.L. Materials Science, from 2000 to 2002)
- Physical methods in organic chemistry (C.d.L. Materials Sciences, 2006/07)
- Organic Chemistry (C.d.S. in Conservation And Restoration Of Cultural Heritage from 2014 to date)
- Physical organic chemistry (C.d.S. Chemistry Sciences 2017/2018)
- Reaction Mechanisms in organic chemistry (C.d.S. Chemistry Sciences from 2018 to date)

INVOLVEMENT IN PROJECTS

- Scientific Executive Research Project (Local Group Bari) PRIN08 "SELECTIVE OXIDATION OF TARGET MOLECULES USING DIOXIRANES"
- Scientific Executive Project MOSAICOS - MOSAici Interattivi eCO-Sostenibili Codice HOQ3PM3 nell'ambito del bando Regione Puglia INNONETWORK -
- Member of several PRIN and PON Project
- Member of Team for the Proposal 20130032 Soleil Synchrotron: High resolution infrared absorption spectroscopy of cubane C₈H₈ and 1-aza-adamantane C₉NH₁₅.
- Scientific Executive Research Project with several industries: Bosch, Pepe&Co, Greenswitch.
- Principal Investigation for the project WATER as Sustainable Products of Ministero della Transizione ecologica

RESEARCH INTERESTS:

Synthesis and reactivity of organic and inorganic peroxides. Selective oxyfunctionalization of hydrocarbons, olefins, alkynes, non-natural (adamantane, binor-S, cubane), and natural target compounds (peptides). Direct oxy-functionalization and spectroscopic characterization of macrocycles from natural sources for the development of new targeted anticancer drugs.

Oxy-functionalizations of SWCNT and MWCNT for smart materials.

Synthesis and application of heterogeneous and homogeneous catalysis for selective oxidation reactions, and for reduction of pollutants in air and water.

Application of photocatalytic methods in the reduction of carbon dioxide.

Synthesis of bio-plastics, Circular Economy.

Total Publications 85 , **75** on da Scopus e WOS, **4** *conference paper*

Corresponding authors: **26** papers

3 Keynote invited, **1** oral invited

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