

# Curriculum Vitae

## PERSONAL INFORMATION

**Nome** MICHELANGELO  
**Cognome** GRUTTADAURIA  
**Recapiti** Dip. STEBICEF, Viale delle Scienze, Ed. 17  
**Telefono** 091-23897534  
**E-mail** michelangelo.gruttadauria@unipa.it

## TRAINING QUALIFICATIONS

- Graduated in Chemistry at the University of Palermo on 12/22/1988 with marks 110/110 cum laude. Winner of the "Michele Ruccia" degree prize for the year 87/88 for the best thesis in Organic Chemistry of the Faculty of Science of the University of Palermo.
- In 1990 winner of the seventh level technical collaborator competition at the Department of Organic Chemistry of the University of Palermo.
- In 1992 winner of the researcher competition at the MM.FF.NN Faculty of Sciences of the University of Palermo, group C05.
- From 01/06/94 to 31/05/95 he carried out research at the Department of Chemistry of the University of Manchester (GB) as winner of a scholarship from the "Human Capital and Mobility" program of the Community European. During this period, he worked, under the supervision of Prof. Eric J. Thomas, conducting research regarding stereoselective syntheses.
- In September 2000 he took up service as Associate Professor (CHIM06).
- In June 2006 he took up service as Full Professor.

## DIDACTIC ACTIVITY

- Teacher of the Organic Chemistry course at the Biological Sciences degree course
- Teacher of the Organic Chemistry II course at the degree course in Chemistry.

## MANAGEMENT TASKS

- President of the University Museum System of the University of Palermo (May 2023-
- Component of the University of Palermo Evaluation Unit (2020-2022)
- President of the School of Basic and Applied Sciences (2017-2019)
- Member of the University Scientific Council (Area CUN 03; 2015-2018)
- Coordinator of the Chemical Sciences Interclass Council (CISC) (2013-2017).
- President of the Joint Commission of the Faculty of Sciences MM.FF.NN. and CdS in Chemistry (2012-2013),
- Coordinator of the PhD in Chemical Sciences (2009-2013),
- Erasmus Course Coordinator in Chemistry (2008-2009)

## PUBLIC ENGAGEMENT ACITIVITY

- Local manager of the European project SHARPER (Marie Curie Action of the Horizon 2020 programme) two-year period 2016-2017.
- Local manager of the European project SHARPER (Marie Curie Action of the Horizon 2020 programme) two-year period 2018-2019.
- Local manager of the European project SHARPER (Marie Curie Action of the Horizon 2020 programme) 2020.
- Co-organizer of the European project SHARPER (Marie Curie Action of the Horizon 2020 programme) 2021.
- Local manager of the European project SHARPER (Marie Curie Action of the HORIZON-MSCA-2022-CITIZENS-01 programme) 2022-2023 and all the activities connected to them (Palermo Guinness World Record, SumoScience, Scienza in Scena, and many others).
- Co-head of the FameLab Palermo 2023 Edition organization.
- Participation in "Le Voci dei Libri" 5th edition.
- Numerous seminar activities with high schools.

## DISCLOSURE

- Author of the scientific popularization book "airtemmisa asimmetria", Effetto Editions 2023
- <https://edizionieffetto.it/prodotto/airtemmisa-asimmetria/> .

## FUNDED RESEARCH

- Responsible for a European Interegg IIIb MEDOCC project (Aquatex, size 4.4; code 2004-04-4.4-E-103; partner University of Palermo) carried out with other European partners such as the University of Valencia, the University of Montpellier, the

- University of Crete and a Spanish textile industry association (AITEEX). This project, lasting 21 months (from 01/06/05 to 28/02/07), had as its objective the combination of laboratory research with the construction of a pilot plant which tested, on a pre-industrial scale, the methods most promising for the recovery and reuse, both in agriculture and in the urban field, of waste water from textile industries.
- National coordinator of a European COST project (Organocatalysis – ORCA – CM0905).
- Local coordinator PRIN 2017 Mussel-inspired functional biopolymers for underwater adhesion, surface/interface derivatization and nanostructure/composite self-assembly (MUSSEL)
- THALASSA PROJECT - Technology And materials for safe Low consumption And low life cycle cost vehicles And crafts. PON R&I 2014-2020 and FSC - Axis II Thematic Projects - Action II - specific objective 1.b.
- SI-MARE PROJECT - Innovative Solutions for High Energy Saving Naval Vessels. PO FESR SICILY 2014/2020 - Action 1.1.5
- NATIONAL SUSTAINABLE MOBILITY CENTER - Spoke 3 - Waterways

#### SCIENTIFIC ASSOCIATIONS

- Member International Advisory Board ChemCatChem - Wiley (since 2018)
- Vice President of the Sicily section of the Italian Chemical Society (2016-2018)
- Member of the Board of Directors of the Sicily section of the Italian Chemical Society (2013-2015).

#### AWARDS:

- National Research Award 2015 "Organic Chemistry in its synthetic aspects (methodologies and products)" awarded by the Organic Chemistry Division of the Italian Chemical Society.
- Tetrahedron Letters Most Cited Paper 2006-2009 Award.

#### SCIENTIFIC ACTIVITIES

- Co-author of 157 publications all in ISI journals concerning Organic Chemistry topics.
- Co-author of 7 chapters of internationally distributed books.
- Co-editor of the book "Catalytic Methods in Asymmetric Synthesis Advanced Materials, Techniques, and Applications" ISBN-10: 0-470-64136-3 ISBN-13: 978-0-470-64136-1 - John Wiley & Sons.
- H-index 38, citations 5711 (Scopus)
- H-index 42, citations 6557 (Google scholar)

#### RESEARCH AREAS

- Organocatalysis (Asymmetric and Non-asymmetric)
- Heterogeneous catalysis
- New recyclable materials for catalysis (supported ionic liquids, carbon nanoforms, POSS)
- New antifouling compounds.

<https://www.unipa.it/persona/docenti/g/michelangelo.gruttadauria>

<https://sites.google.com/community.unipa.it/nanohybridlab>