

CV Nicola D'Antona

Academical Training

- 1990-1997 Master degree in Organic Chemistry , University of Catania, Thesis on Chemistry of Natural Products.
- 1998-1999 Studentship at the CNR – Institute for the Study of Natural Compounds in Pharmaceutical and Food Sciences, Valverde CT, Italy. .
- 1999-2007 Postdoc positions at the CNR Institute of Biomolecular Chemistry, Valverde CT, Italy
- 2004 Visiting Postdoc at the “Institut für Bioverfahrenstechnik” – University of Stuttgart, Germany – Group of Prof. C. Syldatk.

Professional Affiliations

Italian Chemical Society
European Federation Of Biotechnology

Professional experience

- Head of Catania branch of “Istituto di Chimica Biomolecolare” of Consiglio Nazionale delle Ricerche (ICB-CNR) since January 2017.
- Chemistry researcher at the Consiglio Nazionale delle Ricerche (CNR, National Research Council of Italy) from January 2008 to present.
- Scientific expert for Fidia Research Sud S.p.A. (May 2000 – December 2000).

Management and projects activities

- 2020-ongoing: Coordinator of CNR unit at the project “NUSTEO” under the framework “PO FESR 2014/2020 - Azione 1.1.5”
- 2012-2015: WP leader in research project PON02_00451_3362376 “Biomolecular and Energy valorization of residual biomass from Agroindustry and Fishing Industry (BIO4BIO)” in the framework “Progetti PON R&C 2007-2013”
- 2012-2015: Coordinator of CNR unit at the project “Medivis” under the framework “Linea di intervento 4.1.1.1 del POR FESR Sicilia 2007-2013”.
- 2012-2014: Participant at the CNR Project “Collezione di composti chimici ad attività di screening” in collaboration CNCCS consortium.
- 2008-2012: Coordinator of unit at the COST project CM0701 “Cascade Chemoenzymatic Processes – New Synergies Between Chemistry and Biochemistry”; Working Group 3 “Cascade reactions at the nitrile group”.
- 2001-2007: Participant at the project COST D25/0002/01 “Nitrile- and amide-hydrolyzing enzymes as tools in organic chemistry”
- 2000-2004: Participant at the Project MURST (Roma) Cluster 27 “Innovative Materials – Methodologies and Analyses for Materials and Environmental”.

External referee for the Italian “Ministero dell'Istruzione, dell'Università e della Ricerca”.

External referee for the “Grant Agency, Academy of Sciences of the Czech Republic”.
Member of the Stakeholders Committee of the Chemical Sciences Department of Catania University.

Member of the PhD Board of Examinations of the Banaras Hindu University, Varanasi (India).

Member of the organizing committee of the International Symposium "Biotrans2011" Sicilia (Giardini Naxos - October 2-6, 2011).

Organizer of the "COST CM0701 Conference" 2011, Italy (Giardini Naxos - October 2-4, 2011).

Organizer of the Planet Green Chem conference "LA CHIMICA VERDE IN SICILIA: Realtà e Prospettive - Workshop della Chimica Innovativa, Verde e Sostenibile" (Palermo - 30 June 2016).

Teaching and tutoring

- 2016-2019: PhD supervisor in "Basic and Applied Biomedical Sciences" at the Catania University
- 2014-ongoing: Relator of several Doctor's degree thesis in Chemistry, Pharmaceutical Sciences, Biological Sciences and Agronomical Sciences.

Research Activities

Chemistry of natural compounds.

Enzymatic biocatalysis and organometallic catalysis.

Organic "green" synthesis.

Valorization of waste biomasses.

Collaborations with research projects funded by Private Companies

- CNR - Istituto Biochimico Italiano Giovanni Lorenzini S.p.A
- CNR - Fidia Research Sud S.p.A.
- CNR - Consorzio Mario Negri Sud
- CNR - Zappalà
- CNR - Medivis

Publications: 30

Patents: 1

Book chapters: 2

Oral communications: 15

Poster communications: more than 50

Referee for RSC, ACS, Wiley, Elsevier, Springer publishers.

Guest editor of special issue (December 2008) focused to the "Green Chemistry" of "RASAYAN - Journal of Chemistry" (ISSN-0974-1496).