

Giuseppe Grasso

EDUCATION AND TEACHING

In 2000 he obtained the “**Laurea**” in **Chemistry in Catania (110/110 cum laude)** from the **University of Catania** and in 2004 the **PhD in Chemistry from the University of Nottingham (UK)**. After several post-docs he finally got a permanent position at the University of Catania in 2010 where he is currently employed as an Associate Professor (since November 2018). He has obtained the **National Scientific Qualification** for becoming a Full Professor in “Chemical Sciences and Inorganic Systems” (**03/B1**) and “Chemical Fundamentals in Technology” (**03/B2**). He teaches PhD students (course: “A bioinorganic approach to neurodegenerative diseases”), undergraduate students (courses: “General and Inorganic Chemistry” (9 CFU); Bioinorganic Chemistry (6 CFU)), master students (Modules: A.2.4 – Spectroscopy for Molecular diagnosis 2; A.3.6- Metal complexes as antitumoral drugs and their targets; course: “Microdestructive techniques and laser desorption techniques”). He is the Department coordinator of the Erasmus+ Program, Key Action 1- Mobility for learners and staff-Higher Education Student and Staff Mobility with:

- UNIVERSITE DE BRETAGNE OCCIDENTALE (France)
- UNIVERSITE DE CERGY-PONTOISE (France)
- AKADEMIA GÓRNICZO-HUTNICZA (Poland)
- THE UNIVERSITY OF NOTTINGHAM (UK)
- MARTIN-LUTHER-UNIVERSITÄT HALLE-WITTENBERG (Germany)
- UNIVERSIDADE DE LISBOA (Portugal)

SCIENTIFIC ACTIVITY

The research of Dr. Grasso is focused on the study of molecular interactions between biomolecules involved in certain neurodegenerative diseases such as **Alzheimer's disease**. In particular, some metalloproteases involved with these diseases are studied and the possibility of modulating the enzymatic activity of these biomolecules for therapeutic purposes is investigated. The influence that metal ions such as copper or zinc have on the biomolecular mechanisms involved in neurodegeneration is also studied using various analytical techniques such as mass spectrometry, surface plasmon resonance, NMR, etc.

Giuseppe Grasso has authored or co-authored **more than 60 papers** and he has an **h-index of 22**. He has attended **more than 60 international conferences**, presenting his work either as an oral communication or as an invited keynote lecture.

He has been selected for the “**Fulbright Visiting Scholar Program**” 2015/2016 and spent 9 months at the University of Pennsylvania, working on “Apolipoprotein E, metals and Alzheimer's Disease: uncovering underlying unifying mechanism to explain pathogenesis”.

He has participated to several funded projects and more recently he was the Principal Investigator of the funded project PRIN 2015: “Role of metal dyshomeostasis and ubiquitin-proteasome system derangement in brain pathologies: risk factors and neuroprotective strategies”.