

## ***Curriculum Vitae of Graziella Vecchio (10 April 2025)***

*Full Name* Graziella Vecchio *Date of Birth* 17th March 1964, Genova, Italy

Email: gr.vecchio @unict.it, graziella.vecchio@unict.it

### **Education**

“*Laurea*” summa cum laude in Chemistry, University of Catania, 1988

### **Fellowships**

1989-1991 Consiglio Nazionale delle Ricerche Grant, Rome,

1992 AID S.p.A. grant Visiting Researcher, Department of Chemistry, University of Catania

1992-1994 Dipartimento di Scienze Chimiche - University of Catania

### **Awards**

1992 Premio Stampacchia, University of Rome.

1991 "Federchimica per un futuro intelligente" (Milano) 1991.

1988 Consorzio Catania Ricerche (Catania).

### **Professional Experiences**

2010- Full Professor of Inorganic Chemistry (CHIM03) at University of Catania,

2002-2006 Associate Professor of Inorganic Chemistry (**CHIM03**) at University of Catania

1996 – 2001 Researcher at University of Catania (**CHIM03**)

1997 University of Saarbrücken (Germany)

1994-1996 Researcher at Consiglio Nazionale delle Ricerche (CNR)

1993 Qualification as Professional Chemist

### **Teaching career**

Bioinorganic Chemistry (bachelor's degree in Biomolecular Chemistry)

General Chemistry II (bachelor's degree in Biomolecular Chemistry)

Inorganic Chemistry (bachelor's degree in Biomolecular Chemistry)

Techniques for Biomolecule studies (master's degree in Biomolecular Chemistry)

Metallomics (master's degree in Biomolecular Chemistry)

Inorganic Chemistry II (bachelor's degree in Chemistry)

General Chemistry (bachelor's degree in Natural Sciences)

Glycomics (master's degree in Omics Sciences)

Methods for the study of bioinorganic systems (master's degree in Chemical Science)

Bioinorganic chemistry (master's degree in Biomolecular Chemistry)

Supervisor of many master's degrees and 10 PhD thesis.

### **Research Projects**

Responsible for University di Catania of PRIN22 “Supramolecular Platform to Target Glioblastoma (SPlat-G)” (2023-2025).

Responsible for University di Catania of PON03PE\_00216\_1 “Drug Delivery” (*leadership FIDIA SUD*) 2015-2022.

Responsible for University di Catania of PON01\_01078 research project (*leadership Wyeth Lederle*)

Local coordinator of the University di Catania Research Unit of the FIRB project 2010 “Integrated Network for *NanoMedicine – RINAME*”

Responsible for University di Catania of research project PRIN 2003

British Program Coordinator in 2003

Member of several PRIN projects and PNRR INFACCT

### **Other activities**

Member of Departmental Council (Dipartimento di Scienze Chimiche, University of Catania) 2015-2019

President of the Professor-Students Joint Committee (CPDS) of Dipartimento di Scienze Chimiche, (University of Catania) (2020-2028).

Board Member of International PhD committee in Chemical Sciences (Dipartimento di Scienze Chimiche, University of Catania) from 2010.

Referee of international journals (RSC, ACS, Elsevier, Springer etc) and research projects

### **Research activity**

Graziella Vecchio's research activity was mainly carried out in the field of bioinorganic chemistry and polymeric nanoparticles for drug delivery. Particularly, her research activity is focused on the synthesis and characterization of new ligands of metal ions for their application in biological systems.

She has worked on the design of glycoconjugates of the metal chelators, which can exploit the recognition ability of the sugar moiety for targeting biological systems. The glycoconjugates of coordination compounds have also been investigated for biomedical applications (anticancer and antiaggregant agents, antibiotic adjuvants).

Recently she has been working on synthesizing nanosystems based on cyclodextrins functionalized for their application as drug delivery systems and metallo-enzyme mimetics.

Collaborations: Italian research groups, CNR, Sussex University, Maynooth University (Ireland) and some Italian Hospitals (Genoa, Crotone, Lecco, Trieste).

### **Publications**

Graziella Vecchio is the author or co-author of more than 147 articles published in peer-reviewed international journals that have received more than 4146 citations and 15 book chapters. Her h-index is 37 (Scopus). She is also an inventor in 3 Italian patents and 2 PCT extensions.