

## **Prof. Sara Nardis**

Sara Nardis graduated in Chemistry at the University of Rome "La Sapienza" in 1999, and began her research activity at the University of Rome "Tor Vergata" with a fellowship. In 2003, after spending eight months in the US, at the University of California (Davis) with Professor M. G. H. Vicente and K. M. Smith, she obtained a PhD in Chemical Science from the University of Rome "Tor Vergata". Since 2005 she is an Assistant Professor at the Faculty of Engineering of the University of Rome Tor Vergata.

The research activity of Prof. Nardis, documented by several publications in peer reviewed International journals and several congress presentations (Scopus 15/03/2023: 3021 citations, H-index 31, ORCID 0000-0003-3306-9293) is focused on the synthesis and characterization of tetrapyrrolic macrocycles and on their application both as sensors and as photosensitizers. In particular, her research interests include:

- Synthesis of dyads and heterodyads of tetrapyrrolic macrocycles.
- Synthesis, characterization and functionalization of 5,10,15-triphenylcorroles.
- Synthesis of water soluble macrocycles for PDT applications.
- Synthesis and characterization of metalloporphyrins to be exploited as new sensing materials in the development of chemical sensors.

She teaches Chemistry since 2005 and is a member of scientific Board for the PhD school in Chemical Sciences at the University of Tor Vergata.

She has been involved, as a participant in several national research projects.

INITIO H2020-FETOPEN project

Encork 2.0 Regione Lazio

Industria 2015, MISE-GHW, Ricercatore

Industria 2015 del MISE-Acquasense MI01\_00223, Ricercatore Grant della Fondazione Veronesi (2012) per lo sviluppo di sistemi sensoriali per lo studio dei composti associati alle patologie neoplastiche, Responsabile scientifico PRIN 2007, 2007C8RW53 "Sistemi molecolari, polimeri coniugati e nanoparticelle per lo sviluppo di nuovi sensori chimici a trasduzione ottica" del MIUR, Ricercatore FISR-SAIA "Sensori Ottici ed elettroottici per applicazioni industriali" del MIUR. Ricercatore MIUR-FIRB RBNE01KZZM- "Studio di microsistemi multifunzionali per determinazioni chimiche e biocimiche in matrici biologiche complesse", Ricercatore Progetto finalizzato MADESS (2002) del CNR- "Studio e realizzazione di un naso elettronico dedicato all'analisi di alimenti, basato sulla trasduzione di massa e conducibilità di macrocicli tetrapirrollici", Borsista Piano Nazionale delle Ricerche per la "Microelettronica e bioelettronica- Tema 6: Sensori chimico-biologici per l'ambiente" del MURST, Collaboratore

She is a reviewer for the following journals: New Journal of Chemistry, Journal of Porphyrins and Phthalocyanines, Sensors and Actuators B: Chemical.

She is member of the following professional societies: Società Chimica Italiana (SCI), Associazione Italiana Chimica per l'Ingegneria (AICIng) and Society of Porphyrins and Phthalocyanines (SPP).