

 Contacts: <https://www.biomolecules.eu>

ACADEMIC QUALIFICATION

- Theoretical biophysicist, PhD

RESEARCH INTERESTS

- Molecular dynamics simulations and other theoretical and computational techniques for the analysis and modeling of complex polyatomic systems
- Structural, dynamical and functional features of biomolecules. Folding/unfolding, binding and aggregation properties of proteins
- Computer-aided drug discovery, development, design and selection. Nanomedicine and *in silico* biopharmaceutics.

CURRENT POSITION

- Senior researcher at CNR-NANOTEC (National Research Council of Italy – Institute of Nanotechnology)
SS Rende (CS) – Department of Physics – University of Calabria
Ponte P. Bucci, Cubo 31/C – 87036 Rende – Italy
- Member of BIFI (Institute for Biocomputation and Physics of Complex Systems)
University of Zaragoza
Calle Mariano Esquillor, Edificio I+D – 50018 Zaragoza – Spain

APPOINTMENTS & EDUCATION

- 2017 – 2019 Visiting researcher – CERM (European Center for Magnetic Resonance) – Sesto Fiorentino - Firenze (Italy)
 - 2015 Researcher – IMIP (Institute of Inorganic Methodologies and Plasmas)
- 2009 – 2015 Researcher – IPCF (Institute for Chemical-Physical Processes)
- 2004 – 2009 Tenure-track researcher – INFM (National Institute for the Physics of Matter)
- 2003 – 2004 Post-doctoral fellow – Molecular Biophysics Laboratory – University of Calabria – Rende (Italy)
- 2000 – 2003 PhD in Physics – Department of Physics – University of Calabria – Rende (Italy), including visiting the Department of Biophysical Chemistry at the Rijksuniversiteit Groningen (The Netherlands) and the Department of Medicinal Chemistry at the University of Washington - Seattle (Washington, USA)
- 1999 MD in Physics (cum laude) – Department of Physics – University of Calabria – Rende (Italy)

PUBLICATIONS & COMMUNICATIONS

- Author or co-author of > 90 publications on international journals indexed on Scopus / Web of Science, including 20 as first (or co-first) and 25 as corresponding (or co-corresponding) author, in collaboration with > 200 co-authors. Co-author of one book chapter and one patent.
- Citations > 1800 (Scopus and Web of Science). H-index > 25 (Scopus and Web of Science).
Scopus Author ID: 7801352120; Web of Science Researcher ID: B-5781-2013; ORCID ID: 0000-0003-1110-764X.
- Speaker in > 20 conference presentations. Co-author of > 50 conference communications. Participant to > 50 congresses/meetings/symposia.

TEACHING & REVIEWING

- Member of the board of the doctoral programme PhCMAST (Physics, Chemistry and Material Science and Technology), scientific curriculum: “Atomic and molecular scale of matter: chemistry and physics of matter and materials” – University of Calabria.
- Adjunct professor in the Department of Physics – University of Calabria. Lecturer in 4 PhD/post-MD, 20 MD/BD, and 2 pre-graduate courses. Co-supervisor for 1 PhD and 6 MD theses. External examiner for 4 PhD and 1 MD theses.
- Member of the editorial board in 6 international journals indexed on Scopus / Web of Science. Referee for > 40 journals. Reviewer for Italian MUR (Ministry for University and Research) and other national grant agencies for science foundations in Europe.