

PERSONAL INFORMATION



Gerardo Catapano

Department of Mechanical, Energy and Management Engineering
University of Calabria

Via Pietro Bucci, 87030 Rende (CS) - ITALY
+39 0984 496666 / +39 320 9224891

✉ gerardo.catapano@unical.it

Sex Male | Date of birth 04/06/1957 | Nationality Italian

PREFERRED JOB

Basic and applied Research and Education in the field of biochemical bioreactor engineering, transport phenomena and biomaterials for/in artificial, bioartificial and tissue engineered tissue and organs, and for pharmaceutical applications

WORK EXPERIENCE

- 2017-Today** **Full Professor of Industrial Bioengineering**
Department of Mechanical, Energy and Management Engineering, University of Calabria, Rende (CS)
- 2006-2017** **Full Professor of Industrial Bioengineering**
Department of Environmental, Territory and Chemical Engineering, University of Calabria, Rende (CS)
- 2008-2013** **Editor-in-Chief of the International Journal of Artificial Organs**
Official Journal of the European Society for Artificial Organs (ESAO)
- 1992-2006** **Associate Professor of Principles of Chemical Engineering**
Department of Chemical Engineering and Materials, University of Calabria, Rende (CS)
- 1998-1999** **Visiting Professor**
University of Applied Science Giessen-Friedberg, Giessen (Germany), sponsored by an academics exchange program of the Deutscher Akademischer Austauschdienst (DAAD)
- 1989-1990** **External Research Consultant**
Institute for Medical Membrane Applications (IMMA), Akzo Nobel Faser AG (today Membrana GmbH), Wuppertal (Germany)
- 1987-1989** **Research Associate**
Kidney Disease Program, Department of Nephrology, University of Louisville, Louisville (KY), USA.

Business field:

- Basic and applied research on artificial, bioartificial and tissue engineered organs, education in biochemical engineering

EDUCATION AND TRAINING

- 1987** **Ph.D. in Chemical Engineering**
Thesis on the development of a bioartificial pancreas
University of Napoli, Napoli – Italy
- 1981** **Laurea Degree in Chemical Engineering**

Thesis on the kinetic characterization of allosteric enzymes immobilized in protein gels
University of Napoli, Napoli - Italy

ADDITIONAL INFORMATION

- Publications** Author or co-author of more than 150 publications in international journals, books, and congress proceedings. Co-author of the textbook "Cell and tissue reaction engineering".
- Presentations** About 200 presentations at national and international scientific conferences and institutions, more than 60 of which as invited lectures
- Projects** Principal Investigator of national and international research projects
- Conferences** Invited speaker at many national and international conferences and Universities.
- Seminars** Organizer of national and international congresses, and of seminars and workshop in the field of biomedical engineering.
Invited speaker at national and international courses from undergraduate to graduate level.
- Memberships** Italian Society for Biomaterials (vice-President, 2013-today), European Society for Artificial Organs (Governor, 2013-2017), European Society for Engineering and Medicine (member of Directive Council, 2007-2014), European Society for Biomaterials
- Editorial Boards** Member of the editorial board of: Artificial Organs; Technology and Healthcare; the International Journal of Artificial Organs (2004-2013); the Journal of Membrane Science (2004-2008).
- Research Interests** Development and optimization of bioreactors for therapeutic and technological applications; development and characterization of synthetic membranes and biomaterials; development and optimization of artificial, bioartificial and tissue engineered tissues and organs; development of in vitro tests alternative to animal tests for toxicity screening of drugs and chemicals and for the characterization of cell-biomaterial interactions.