

CURRICULUM VITAE ET STUDIORUM

Prof. Eng. Raffaele Cioffi

Department of Engineering – University Parthenope of Naples - Italy

Personal informations:

Born: Meta (Naples, Italy), 04.07.1954

Status: married, two children

Citizenship: Italian

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Education:

1979; Degree *cum laude* in Chemical Engineering - University Federico II of Naples, Italy

Work experiences:

1980-1983; Production manager – Alfa Romeo S.p.A.- Pomigliano D'Arco (Naples, Italy)

Professional career:

1979: Fellowship of “Montedison S.p.A.” – Institute for Chemical Engineering, University Federico II of Naples

1983-1998; University Researcher for Applied Chemistry – Department of Materials and Production Engineering, University Federico II of Naples

1984; Visiting Researcher – Italcementi Research Centre (Bergamo, Italy)

1985-1987; Visiting Researcher – Cementir Research Centre (Naples, Italy)

1994 , Visiting Researcher – Environmental Risk_Assessment Laboratory - Energy Research Centre of the Netherlands – Petten (Netherlands)

1995; CNR-NATO Fellowship – Visiting Researcher - Department of Chemistry, University of Aberdeen (Scotland, UK)

1998-2001; Associate Professor of Materials Science and Technology – Faculty of Engineering, University of Basilicata (Potenza, Italy)

2001-2004; Full Professor of Materials Science and Technology – Faculty of Engineering, University of Basilicata (Potenza, Italy)

2001-2004; Coordinator of CRUI – “*CampusOne*” Project promoted by the Conference of Deans of Italian Universities (CRUI) - University of Basilicata (Potenza, Italy)

2002-2004; Director of the Mortar and Concrete Laboratory – Department of Environmental Engineering and Physics, University of Basilicata (Potenza, Italy)

2002-2004; Director of the Observatory for Teaching Management – Faculty of Engineering, University of Basilicata (Potenza, Italy)

2003-2004; Rector’s Delegate for Teaching Management - University of Basilicata (Potenza, Italy)

2004-today; External Examiner for PhD Degree, Faculty of Engineering, University of Kingston – London (UK)

2004-2005; Full Professor of Materials Science and Technology – Faculty of Engineering, University Parthenope of Naples (Naples, Italy)

2005-2010; Director of the Centre for Research Quality Assessment, University Parthenope of Naples

2005-2010; Full Professor of Technologies Chemical Fundamentals – Faculty of Engineering, University Parthenope of Naples

2010-today; Full Professor of Materials Science and Technology – Faculty of Engineering, University Parthenope of Naples

2007-today; President of the Teaching Board for Industrial Engineering Course - Faculty of Engineering, University Parthenope of Naples

2008-today; President of the Scientific Committee of the Master Course in Safety Engineering - Faculty of Engineering, University of Basilicata (Potenza, Italy)

2009-2013; Director of the Post-degree Specialization Course for Safety and Environment - Faculty of Engineering, University Parthenope of Naples

2009-today; Director of the Sustainable Development Engineering Laboratory – Department of Technology, University Parthenope of Naples

2010-2013; Director of the Department of Engineering, University Parthenope of Naples

2013-today; Coordinator of the Management Engineering Course, Faculty of Engineering, University Parthenope of Naples

Other research and academic activities:

1990-1992; Coordinator of Research Units – Department of Materials and Production Engineering, University Federico II of Naples, Italian Ministry of University and Research Project

1995-1997; Coordinator of Research Units – Department of Materials and Production Engineering, University Federico II of Naples, National Research Council and Civil Protection Project

1995-1998; Consultant of the Campanian Agency for Advanced Research - University Federico II of Naples

1998-2004; Consultant of the Environment and Sustainable Development Department – Basilicata Region Administration (Potenza, Italy)

1998-2004; Coordinator of Research Units, Department of Environmental Engineering and Physics, University of Basilicata and Basilicata Region Administration (Potenza, Italy)

2006-2008; Coordinator of Research Units – Department of Engineering, University Parthenope of Naples, Italian Ministry of University and Research Project

1990-today; Member of Scientific and Organizational Committees of International and Italian Conferences.

1990-today; Member of International and Italian Scientific Associations, Bodies and Societies for Materials Chemistry, Science and Technology.

1995-today; Coordinator of many research Projects for Public and Private Societies and Companies

2000-today; Reviewer of many Italian and International Journals

Member of Editorial Board of many Italian and International Journals.

Research areas:

Most important research activities:

- Development, preparation and characterization of novel binder matrices for solid hazardous wastes stabilization/solidification
- Development and application of innovative technologies for inertization treatment of asbestos-containing wastes.
- Development and application of innovative technologies for special solid waste treatment.
- Development, preparation and characterization of building components containing construction and demolitions wastes.
- Development, preparation and characterization novel eco-compatible construction materials containing industrial solid wastes.
- Life Cycle Assessment of eco-compatible construction materials production processes.
- Management and Treatment of Water and Wastewater
- Ceramic materials for energy (fuel cell, energy storage, hydrogen storage).

Scientific publications:

About 170 scientific papers on Italian and International journals and proceedings have been published.

Short Biography

Raffaele Cioffi has a degree in Chemical Engineering at the University "Federico II" of Naples.

He is full professor at the University of Naples "Parthenope" and teaches Construction Materials Science and Technology and Materials Engineering at the Faculty of Engineering at the same University. He has been the director of the Department of Engineering, he is the president of the Teaching Board for Management Engineering Course and he is the coordinator of the Technical and Scientific Committee for the Master Course in "Safety Engineering" of the University of Naples " Parthenope". He has been the director of the Research Quality Centre of the University of Naples "Parthenope".

He is a member of board of direction of many Italian and International Association on Materials Engineering, Environmental and Technical Implication of Construction with Alternative Materials. He is reviewer for the Italian University and Research Ministry for Research Projects of Great Interest.

His main research activities concern: the stabilization/solidification of hazardous industrial solid wastes, soils and sediments; the preparation of energy saving blended cements, concrete and geopolymers materials; the inertization by mechanochemical treatments of industrial and asbestos-containing wastes, and sediments and the reuse of the obtained products as building materials; life cycles assessment of production processes of eco-compatible construction materials; ceramic materials for energy (fuel cell, energy storage, hydrogen storage).

All the above-mentioned research activities are developed in collaboration with three Regional Campania Research Centres of Competence: Environmental Risk Analysis and Monitoring (AMRA), Cultural Heritage and Environment (BENECON) and Innovative Technologies for Industrial Activities (Technologies).

He has been and still is responsible of research projects for the Italian University and Research Ministry and public and private societies and companies.

All the above researches are proved by about one hundred and seventy papers on Italian and international journals and conferences proceedings.

