

Curriculum SIMONETTA PALMAS



Personal data: born on May 5th, 1961; married and mother of two (Eugenia (25) and Lorenzo (21)).

Actual position: Full Professor at *Università degli studi di Cagliari* (Industrial Chemistry and Technology (ING-IND/27))

ACCADEMIC CAREER and WORKING EXPERIENCE

1987 - Master Degree in Chemical Engineering - University of Cagliari; 1992 - PhD in Chemical Engineering - University of Bologna; 1990 - Visiting researcher - University of Exeter, UK; 1991-2001: "Tecnico Laureato" - Department of Chemical Engineering and Materials; 2001–2014: Assistant Professor in the field of Industrial Chemistry and Technology (ING-IND 27); 2014 - Associate Professor (ING-IND 27); 2018 – Full Professor (ING-IND 27)

RESEARCH INTERESTS

Advanced Oxidation Processes for wastewater treatment; Preparation and characterisation of catalysts for red-ox processes; Development and characterisation of electrochemical reactors for environmental applications; Development and characterisation of catalysts for oxygen evolution or reduction; Synthesis and characterisation of semiconductor nanostructured materials; Electrochemical synthesis of TiO₂ nanotubes; Application of photoelectrocatalytic processes in the energetic and environmental field.

BIBLIOMETRIC INDICATORS updated September 2018 -Source: SCOPUS (since 1991-)

Scientific papers: 91; Total citations: 2167; H-index: 21

DIDACTICS

She takes courses at the Engineering Faculty, since 2001, for chemical engineering students; moreover, she has been Tutor of more than 40 theses of Chemical Engineering, I and II level Degree, as well as Tutor of 4 PhD and Doctor Europeus Students, and 2 assistant researchers

JURY / COMMITTEE MEMBER

2017: award of the "Carl Wagner Medal of Excellence in Electrochemical Engineering"; 2015: Europeus Doctoral Thesis (University of Palermo - Italy); 2014: award of the "Carl Wagner Medal of Excellence in Electrochemical Engineering"; 2012: committee for the admission to PhD school in Industrial Engineering, (Cagliari); 2007: Doctoral Thesis at the University of Castilla la Mancha (Ciudad Real); 2006: committee for the admission to PhD school in Industrial Engineering (Cagliari); 2002: committee for comparative evaluation of researchers (Politecnico di Milano); 2001: committee for Professional Engineering Exam (Cagliari)

INSTITUTION AND SOCIETY MEMBERSHIPS:

- **At international level:** Italian Delegate in the sitting members of the WP on Electrochemical Engineering; Member of the International Society of Electrochemistry (ISE); Reference Person for the Erasmus bilateral agreement Italy/Spain - Universidad de Castilla La Mancha- Ciudad Real; Reference Person for the Erasmus bilateral agreement Italia/Czech Republic - Institute of Chemical Technology - Praha.

- **At national level** - member of: Associazione Italiana di Ingegneria Chimica (AIDC); Società Chimica Italiana- Divisione Elettrochimica (SCI); GRICU (Gruppo Ricercatori Ingegneria Chimica dell'Università)

- **At local level:** 2015-2018: Chairperson of the Study Program Board in Chemical Engineering (IL and ILL degree) at the University of Cagliari; Member of the executive board of AIDC-Sardegna; Member of the PhD school of Industrial Engineering; President of the Auto Evaluation Team of the Chemical Engineering course (2006-2015); Member of the Team of Experts in the Learning Evaluation; Reference Person for the Quality Management of the Engineering Faculty of Cagliari (2010-2012);

CONFERENCE COMMITTEES (last 5 years)

- **Member of the Scientific Committee** of: 2018: "E3 Mediterranean Symposium: Electrochemistry for Environment and Energy" Madrid 2018; 2017: 11th ESEE (European Symposium on Electrochemical Engineering) Praha; 2016: - 2nd "E3 Mediterranean Symposium: Electrochemistry for Environment and Energy", Brescia Italy; 2015: - 1st European Workshop of Electrochemical Engineering, Nice, France, within the ECEE10; 2014: - 1st "E3 Mediterranean Symposium: Electrochemistry for Environment and Energy" (Burgos, Spain).

- **Member of the Organising Committee:** 2016-2018: 69th Annual ISE meeting, Bologna 2018.

- **Chair of the Organizing Committee:** 2009-2014: 10th European Symposium on Electrochemical Engineering (Sardinia 2014)

PARTICIPATION in EDITORIAL BOARDS of JOURNALS:

2018: Catalysts (ISSN 2073-4344)- Special Issue "New Trends in Photo(Electro)catalysis: From Wastewater Treatment to Energy Production

2015: J. of Applied Electrochemistry, special issue, V.45 (11) ISSN 0021-891X

2014: Chemical engineering Transaction, vol. 41, ISBN: 978-88-95608-32-7; ISSN 2283-9216

REFeree ACTIVITY for the following scientific journals:

J. of Applied Electrochemistry; Electrochimica Acta; Int. J. of Hydrogen Energy; J. of Power Source; Nature Communications; Catalysts; RSC advances.