

Francesco Fatone - Curriculum Vitae ac Studiorum

PERSONAL DETAILS

Born in Venosa, Italy, in 1978

Contact details:

Università Politecnica delle Marche

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EDUCATION

2007 Ph.D., Industrial and Environmental Biotechnology, University of Verona

2004 Interuniversity Master of Engineering (post-lauream), Chemical Engineering for Environment, University of Verona, Padua, Venice, Udine and Trieste

2003 Degree (BS+MS) *cum laude*, Environmental Engineering, Polytechnic University of Marche, Ancona

PROFESSIONAL APPOINTMENTS

Nov. 2016 – Present Associate Professor of Chemical Plants and Processes, Polytechnic University of Marche

Dec. 2014- Oct.2016 Associate Professor of Chemical Plants and Processes, University of Verona

2008-2014 Assistant Professor of Chemical Plants and Processes, University of Verona

2003-2007 Research fellow, University of Verona, University of Venice "Cà Foscari", Marche Polytechnic University

RESEARCH INTERESTS AND EXPERTISE

Focused his research activity mainly on biological treatments of wastewaters, aiming at the removal of nutrients and xenobiotics and/or resource recovery

The main research interests can be summarized as follows:

- Advanced processes for municipal and industrial wastewater treatment (membrane bioreactors)
- Biological nutrients and xenobiotics removal processes for wastewater treatment
- Anaerobic co-digestion of sludge and solid organic waste
- Anaerobic fermentation of solid organic wastes for the production of valuable chemical compounds
- Biological and chemical/physical treatment of anaerobic digestate
- Recovery of biopolymers from sewage sludge

MAIN INTERNATIONAL PUBLICATIONS

Authored and co-authored 65 SCOPUS-indexed papers (1 in press), 9 chapters of international edited book and more than 100 presentations at international and national congresses all dealing with the treatments of wastes and wastewaters ($H_{index} = 18$; *Total citations = 842* source SCOPUS; -updated November 2016-).

COORDINATION or SCIENTIFIC RESPONSABILITY OF INTERNATIONAL PROJECTS

- EU-H2020 “SMART-Plant” (www.smart-plant.eu) *Coordinator*
- EU-H2020 “IntCatch” (www.intcatch.eu) *Principal Investigator*
- EU-LIFE+ “LIFE LIVEWASTE” (www.livewaste.org) *Principal Investigator*
- EU-FP7 “LEF-BIOWASTE” (www.lef-biowaste.org) *Coordinator*
- BODOSSAKI FOUNDATION “INNO4WATER” (www.inno4water.com) *Coordinator*
- EU-H2020 “ENERWATER” (www.enerwater.eu) *Principal Investigator*
- Water JPI WaterWorks2014 “Pioneer_STP” *Principal Investigator*

PATENTS AND SPIN-OFF

Co-authored n.2 national patents (1 pending) and funded the spin-off INNOVEN Srl (www.innoven.it).

EDITOR

Editor-in-Chief the IWA Open Water Journal (IWA Publishing, United Kingdom)

Editorial Board of *Process Biochemistry* (Elsevier)

Editor of *Water Science and Technology* (IWA Publishing)

Editor of *Water Science and Technology: Water Supply* (IWA Publishing)

Editorial Board of *The Scientific World Journal - Chemical Engineering* subject area (Hindawi Publishing)

Editorial Board of *Waste and Biomass Valorisation* (Springer)

Editor of the *Journal of Water Sustainability* (Editors in chief: H.H.Ngo, XC Wang)

Editor of the Proceedings of the IWA specialized conference SSS4WATER (Venice, 18-22 April 2011)

Editor of the Proceedings of the IWA specialized conference ecoSTP2014 (Verona, 23-27 June 2014)

COORDINATION OF INTERNATIONAL CONFERENCES AND SPECIALIST GROUPS

Chair of the 2nd IWA Specialized Conference on "EcoTechnologies for Sewage Treatment Plants" (ecoSTP2014) www.ecostp.org

Co-chair of the Specialist Group on Small Water and Wastewater Systems (SWWS) - International Water Association (IWA)

Member of the management and steering committee of the COST Action "Water 2020: Conceiving Wastewater Treatment in 2020 - Energetic, environmental and economic challenges"

Member of the Management Committee of the IWA Working Group on Alternative Water Resources, based in China

Member of the scientific committee of 15 international conferences

Member of the executive board of the technical-scientific committee of ECOMONDO

Adjunct member of the scientific committee of the "Interuniversity Consortium of Chemistry for the Environment"

REFEREE

Acts as reviewer for the following journals:

Environmental Science and Technology (ACS), Water Research (Elsevier), Journal of Hazardous Materials (Elsevier), Process Biochemistry (Elsevier), Asia-Pacific Journal of Chemical Engineering (Wiley Interscience), Chemical Engineering Journal (Elsevier), Journal of Membrane Science (Elsevier), Water Science and Technology (IWA Publishing), Desalination (Elsevier), Industrial Engineering and Chemistry Research (ACS), Bioresource Technology (Elsevier), Journal of Applied Electrochemistry (Springer), Desalination and Water Treatment (Desalination Publications), Environmental Technology (Taylor and Francis), Waste Management and Research (SAGE Journals), Chemosphere (Elsevier), The Science of the Total Environment (Elsevier), International Journal of Environmental Science and Technology (Springer), Water, Air, & Soil Pollution (Springer), Environmental Monitoring and Assessment (Springer), New Biotechnology (Elsevier), Waste Management (Elsevier), Journal of the Taiwan Institute of Chemical Engineers (Elsevier), Journal of Environmental Chemical Engineering (Elsevier), Frontiers of Environmental Science and Engineering (Taylor and Francis), Environmental Science and Pollution Research (Springer), Renewable Energy (Elsevier), International Biodeterioration and Biodegradation (Elsevier); Journal of Cleaner Production (Elsevier); Applied Microbiology and Biotechnology (Elsevier); FUEL (Elsevier); Food and Bioproducts Processing (Elsevier)

PRIZE

SETTE (Corriere della Sera) Green Award 2015

PROFESSIONAL MEMBERSHIP & AFFILIATION

International Water Association (IWA), 2005 – present

Gruppo Ricercatori di Ingegneria Chimica dell'Università (GRICU), 2008 - present

Associazione Italiana di Ingegneria Chimica (AIDIC), 2008 - present

Water Integrity Network (WIN), 2010 - present

International Scientific Research Network (ISRN) of 'NIREAS- International Water Research Center' located in Nicosia-Cyprus

ACADEMIC COURSES TAUGHT

Bioreactors, University of Verona

Environmental Biochemical Plants and Processes, University of Verona

Bio-treatment of agro-food waste and wastewater, University of Verona

Winery wastewater treatment, University of Verona

Lab of Biochemical Plants and Processes, University of Verona

Conventional and Advanced Biological Processes for Wastewater Treatment, School of Chemical Engineering for Environment, Universities of Verona, Padua, Venice, Trieste and Udine (at Treviso)

Wastewater treatment and water management, post-lauream master University of Verona, University of Venice, Environmental Protection Agency of Veneto Region (ARPAV)

Ancona, 19/Nov/2016

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