

PERSONAL INFORMATION


Fabrizio Passarini

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Sex M | Date of birth 14/09/1972 | Nationality Italian

POSITION

Associate Professor in “Environmental Chemistry and Chemistry for Cultural Heritage”, Department of Industrial Chemistry “Toso Montanari”, University of Bologna, Italy

Head of the Local Organisational Unit (UOS) in Rimini of the same Dept. of the University of Bologna, Italy

Vice-Director of Interdepartmental Centre for Industrial Research “Energy & Environment”, University of Bologna, Italy

Past-President of the Environmental and Cultural Heritage Chemistry Division, Italian Chemical Society

Member of the Technical-Scientific Committee of “Ecomondo. The Green Technology Expo”

WORK EXPERIENCE

1 OCTOBER 2002 – 14 SEPTEMBER 2014

Assistant Professor in Environmental Chemistry and Cultural Heritage

University of Bologna – Department of Industrial Chemistry “Toso Montanari”, viale Risorgimento 4, 40136, Bologna (Italy), <http://www.chimica-industriale.unibo.it/>

- Research and teaching

Business or sector University; Research

15 SEPTEMBER 2010 – 9 SEPTEMBER 2013 **Coordinator of the Working Unit: “Industrial Ecodesign, waste recovery and product life cycle”**

University of Bologna – Interdepartmental Centre for Industrial Research “Energy & Environment”, Via Angherà 22, I-47921 Rimini (Italy), <http://www.energia-ambiente.unibo.it/>

- Coordination of researches and management of the budget of the Working Unit

Business or sector University; Research

1 JANUARY 2013 – 31 DECEMBER 2015 **President of the Division of Environmental and Cultural Heritage Chemistry**

Italian Chemical Society, viale Liegi 48/c, I-00198 Roma (Italy), <http://www.socchimdabc.it/>

- Coordination of activities, organisation of conferences, schools, workshops

Business or sector Scientific Association

EDUCATION AND TRAINING

A.Y. 1996/7 - A.Y. 1998/9

PhD in Chemistry - Curriculum in Environmental Chemistry (discussion of PhD thesis: January 26, 2000)

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University of Ferrara & “Ca’ Foscari” – University of Venice (Italy)

- Environmental Chemistry; analysis of heavy metals in sediment and water; relation between chemical composition and toxicity responses

A.Y. 1991/92 - A.Y. 1995/96

Master degree cum laude in Industrial Chemistry (July 19, 1996)

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University of Bologna (Italy) – Faculty of Industrial Chemistry

- Chemistry and Industrial Chemistry

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	C2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills

- Very good communication skills gained through the various activities presented in this cv

Organisational / managerial skills

- Leadership (currently responsible for a team of 10 people) gained in my research activities

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Independent user	Enter level

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

- good command of office suite (word processor, spread sheet, presentation software)
- good command of statistic tools and other technical software

Driving licence B

ADDITIONAL INFORMATION

Certifications Qualified to practice as a member of Chemical professional Association, achieved at the University of Bologna (Register of Emilia Romagna Region).

Memberships

- Italian Chemical Society (SCI)
- SETAC (Society of Environmental Toxicology and Chemistry)
- ACS (American Chemical Society)

Publications More than 50 papers on peer-reviewed international journal with Impact Factor.
 More than 100 extended papers on national journals and International/National Congress Proceedings
 More than 100 abstract on International/ National Congress Proceedings
 5 Edited Books.

Research activity The research activity mainly concerns the environmental impacts concerned with waste management, environmental monitoring, application of Life Cycle Assessment, Material Flow Analysis. Research is also focused on Green economy, Industrial Ecology and Sustainability in University Campus.

Specific research topics :

- Waste management, in particular thermal treatment plants, innovative recycling technologies (in particular for the recovery of End of Life vehicles, WEEE)
- Environmental monitoring and study of wet and dry atmospheric depositions, also by means of multivariate analysis
- Analysis of heavy metals in different environmental matrices
- Application of Life Cycle Assessment to different products, services and processes (in particular concerning chemical industry)
- Application of Mass Flow Analysis

2013 – Present: Involved in the FARB (Academic Funding of Basic Research) project, “Catalytic transformation of biomass-derived materials into high added-value chemicals”, as Key Person Research Unit 5

2012 – Present: Involved in the National Project PRIN 2010-11, funded by the Italian Ministry of Education and Research (MIUR): “Mechanisms of CO₂ activation for the design of new materials for energy and resource efficiency (Coordinator: Prof. Silvia Bordiga, University of Turin – Scientific Person in charge for the UniBO research unit: Prof. Fabrizio Cavani).

2010-2012: Involved in the National Project PRIN 2008, funded by the Italian Ministry of Education and Research (MIUR): “LENS: Wood combustion as primary energy source: development of new integrated methodologies to evaluate risks and benefits” (Coordinator: Prof. Demetrio Pitea, University of Milan-Bicocca – Scientific Person in charge for the UniBO research unit: Dr. Fabrizio Passarini).

2004-2006: Involved in the National Project PRIN 2003, funded by the Italian Ministry of Education and Research (MIUR): “Eco-friendly and glass-based polyphasic materials from the recovery of inorganic industrial residues: design and modelling”(Coordinator: Prof. Luisa Barbieri, University of Modena – Scientific Person in charge for the UniBO research unit: Prof. Luciano Morselli).

2005-2011: Network laboratory LITCAR (“Integrated Laboratory Environmental Technologies and Control in Waste Life Cycle”), of the Hi-Tech Network, funded by Emilia Romagna Region (Northern Italy)

Other Activities Member of the Team “Product Integration” within the Regional Platform “Energy & Environment”. Member of the Technical Working Group formed on 19th July 2012, for the drafting of Italian Guidelines concerning odour emissions.

Referee of national projects for the Ministry of University and Research.

Referee of about 25 international journals in the field of environmental chemistry and engineering.

Contact Person for the Interdepartmental Centre for Industrial Research “Energy and Environment” in the Climate KIC - Pioneers into Practice Programme.

Chairman of the XIV National Congress of Environmental and Cultural Heritage Chemistry, Rimini, 2-5 June 2013.

Project coordinator of an “Erasmus Intensive Programme” financed by EU in the framework of the “Lifelong Learning Programme” educational projects, entitled: “Strategies, Applications and Methodologies of WASTE RECOVERY”, involving students and teachers of 7 European Universities. First

edition: 2th October – 7th November 2008. Second edition: 19-30 October 2009.

Director of 2 International Summer Schools:

1) “Innovative Technologies and Environmental Impacts in Waste Management”, 12 - 17 June 2006,

Rimini;

2) “WASTE RECOVERY: Recycling and Waste to Energy”, 25-30 June 2007, Rimini.

From 2004 to 2006 coordinator of the Group “ARG – Ambiente Ricerca Giovani” (Young researchers in Environmental Chemistry), of the Italian Chemical Society

