



Esmeralda Neri

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via Beltramelli 19, 47923, Rimini, Italy

● WORK EXPERIENCE

01/09/2022 – CURRENT – Rimini, Italy

TECHNICAL EMPLOYEE – ARPAE EMILIA ROMAGNA

31/01/2020 – 31/08/2022 – Pesaro, Italy

TECHNICAL SECRETARIAT – MIT AMBIENTE S.R.L.

31/12/2018 – 30/12/2019

PROJECT MANAGER – INNOVACOOP S.R.L.

Support and technical assistance to project activities in the Innovation Area

Address Bologna, Italy

30/06/2018 – 31/12/2018

RESEARCH FELLOW – UNIVERSITY OF BOLOGNA, DEPARTMENT OF INDUSTRIAL CHEMISTRY
"TOSO MONTANARI"

Address Rimini, Italy

30/09/2018 – 30/12/2018

COLLABORATION – INNOVACOOP S.R.L.

Support and technical assistance to project activities in the Innovation Area

Address Bologna, Italy

31/12/2016 – 29/06/2018

RESEARCH FELLOW – INTERDEPARTMENTAL CENTER OF INDUSTRIAL RESEARCH (CIRI) ON
ENERGY AND ENVIRONMENT

Assessment of environmental, economic and social sustainability of valorisation processes of discards from wine-producing industry

Address Rimini, Italy

30/06/2013 – 30/12/2013

ENVIRONMENTAL CONSULTANCY – C.S.A. GROUP S.P.A.

Certification relating to air quality and landfill biogas

Address Rimini

03/2012 – 03/2013

MASTER DEDREE INTERNSHIP – DEPARTMENT OF INDUSTRIAL CHEMISTRY AND MATERIALS,
UNIVERSITY OF BOLOGNA. PIAZZA MALATESTA 29/30

Application of LCA methodology through the use of the software SimaPro; analysis of the life cycle of industrial chemical processes: application to the synthesis of acrylonitrile by ammoxidation reaction; using of Analysis Monte Carlo in order to perform a sensitivity analysis of the results.

Address Rimini, Italy

04/2010 – 07/2010

BACHELOR DEGREE INTERNSHIP – CSA S.P.A. GROUP VIA AL TORRENTE 22

Sampling and analysis of environmental parameters related to biogas and leachate in landfills for municipal solid waste processing results analysis.

Address Rimini, Italy

2007 – 2009

SALESWOMAN, DURING SUMMER – PIMKIE, AT LE BEFANE SHOPPING CENTRE

International fashion brand ready-to-wear.

Address Rimini, Italy

2004 – 2006

SALESWOMAN, DURING SUMMER – RIMINI SPORT, VIA DANTE

sporting goods store.

Address Rimini, Italy

05/2004 – 08/2004

SALESWOMAN, DURING SUMMER – BAKERY "FERRI", VIA PATARA

Address Rimini, Italy

05/2003 – 07/2003

STANDISTA

"Fiera del Fitness" in Rimini; Foot-Volley tournament "Body Spring Cup 2003" (at Algida's stand) in Rimini

● EDUCATION AND TRAINING

31/12/2013 – 02/05/2017 – Bologna, Italy

PH.D. IN CHEMISTRY – Alma Mater Studiorum, University of Bologna

Application of environmental sustainability assessment methodologies to waste management systems and to energy and material recovery processes.

Address Bologna, Italy

09/2010 – 03/2013 – Bologna, Italy

MASTER DEGREE IN INDUSTRIAL CHEMISTRY – Alma Mater Studiorum, University of Bologna

Vote 107/110

Technologies and environmental certification, chemical plants, biotechnology, metallurgy, development and process management, industrial chemicals, industrial polymers.

Address Bologna, Italy

09/2007 – 10/2010 – Rimini, Italy

BACHELOR DEGREE IN CHEMICAL TECHNOLOGIES FOR THE ENVIRONMENT AND THE WASTE MANAGEMENT – Alma Mater Studiorum, University of Bologna, Pole of Rimini

Vote 110/110

Environmental chemistry, chemistry and pollution control, environmental monitoring, waste recycling and energy recovery, polymer science, industrial chemistry, chemical and mechanical plants.

Address Rimini, Italy

08/2002 – 07/2007 – Rimini, Italy

HIGH SCHOOL DIPLOMA – Scientific high school "A. Einstein"

PNI curriculum: national plan of computer science; mathematics, physics, computer science, chemistry, biology

Address Rimini, Italy

● LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B1	B1	B1	B1	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● ORGANISATIONAL SKILLS

Organisational skills

Good organizational skills and teamwork.

● COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

Good communication skills developed during work experience, team spirit, adaptability.

● JOB-RELATED SKILLS

Job-related skills

Good data processing capacity and conduct of LCA (Life Cycle Assessment).

● PARTICIPATION TO SEMINARS AND CONFERENCES

Participation to seminars and conferences

- 10-14 September 2017, active participation with oral presentation at the "XXVI National Congress of the Italian Chemical Society", Paestum (SA)
- 22-23 June 2017, active participation with poster presentation at the "Congress of the Italian LCA network", Siena
- 11 - 15 September 2016, active participation with oral presentation at the 6th EuChemS Chemistry Congress, Seville, Spain
- 26 - 29 June 2016, active participation with oral presentation at the XVI National Congress of the Division of environmental chemistry and cultural heritage of the Italian Chemical Society, Lecce
- 14 - 18 June 2015, active participation with oral presentation at the XV National Congress of the Division of environmental chemistry and cultural heritage of the Italian Chemical Society, Bergamo
- 7-12 September 2014, active participation with oral presentation at the XXV National Congress of the Italian Chemical Society, Rende (CS)
- 2007-2016: participation in Ecomondo (International Fair of Material & Energy Recovery and Sustainable Development)
- Participation to the XIV Conference of the history and fundamentals of chemistry, Rimini 21-23 September 2011

● PARTICIPATION TO SCHOOLS

Participation to schools

- Participation to the "Journey Summer School", organized by Climate-KIC, Paris-Dublin-Riga, 30 July - 2 September 2017
- Participation to the course "Social Life Cycle Assessment" of the Rete Italiana LCA, Pescara 29 - 30 September 2016
- Participation to the course "Life Cycle Costing" of the Rete Italiana LCA, Pescara 28 - 29 September 2016
- Participation in the third National School of Chemistry of the Environment and Cultural Heritage, Salerno 13 - 16 July 2015
- Participation in the 2nd Annual SINCHEM School, Bologna 16 to 17 February 2015
- Participation at "Green skills for boosting transitions in water management", organized by Climate-KIC, Valencia (Spain), 22nd- 29th November 2014
- Participation in the third National School of Chemistry of the Environment and Cultural Heritage, Barza - Varese 25 to 29 November 2013
- Participation in the 1st Annual SINCHEM School, Bologna 17 to 19 February 2014

● PUBLICATIONS ON INTERNATIONAL PEER-REVIEWED JOURNAL (SCOPUS INDEXED)

Publications on international peer-reviewed journal (Scopus indexed)

- Neri, E., Passarini, P., Cespi, D., Zoffoli, F., Vassura, I.; Sustainability of a bio-waste treatment plant: impact evolution resulting from technological improvements; journal of Cleaner Production; 2017.
- Neri, E., Cespi, D., Setti, L., Gombi, E., Bernardi, E., Vassura, I., Passarini, F.; Biomass Residues to Renewable Energy: A Life Cycle Perspective Applied at a Local Scale; Energies; 2016.
- Cespi, D., Passarini, F., Neri, E., Vassura, I., Ciacci, L., Cavani, F.; Life Cycle Assessment comparison of two ways for acrylonitrile production: the SOHIO process and an alternative route using propane; Journal of Cleaner Production; 2014; 69, pp. 17-25
- Cespi, D., Passarini, F., Cavani, F., Neri, E., Vassura, I.; Comparison of different chemical processes from a life cycle perspective; Chemical Engineering Transaction, 2014; 36, pp. 169-174.

● CONFERENCES PRESENTATION

Conferences presentation

- Posters presentation at Ecomondo 2016, 8 - 11 November, "Integration of environmental impact assessment methodologies (LCA, MFA) in industrial processes and systems of management of waste material, with particular attention to the Macerata Province (Italy)", "From waste biomass to renewable energy: study of the life cycle (LCA) at Castel D'Argile municipality".
- Oral presentation at the 6th Echems Chemistry Congress, Seville 11 - 15 September 2016, " Life Cycle Assessment applied to the production of maleic anhydride by alternative ways of industrial synthesis"
- Oral presentation at the XVI National Congress of the Division of environmental chemistry and cultural Heritage of the Italian Chemical Society, Lecce 26 - 29 June 2016, "Integration of environmental impact assessment methodologies (LCA, MFA) in industrial processes and systems of management of waste material, with particular attention to the Macerata Province (Italy)"
- Posters presentation at Ecomondo 2015, 3 -6 November, "Life Cycle Assessment of the gasification of virgin wood chips", "Study of the temporal evolution of impacts of a system of organic waste treatment through LCA methodology".
- Oral presentation at the XV National Congress of the Division of environmental chemistry and cultural Heritage, Bergamo 14-18 June 2015 - E. Neri, F. Passarini, D. Cespi, F. Zoffoli, S. Salciccia, I. Vassura: "Study on temporal impacts of a treatment plant for organic waste by LCA"
- Poster presentation at Ecomondo 2014, 5-8 November, "Application of the Life Cycle Assessment methodology to the gasification of virgin wood chips for energy production".
- Oral presentation at XXV National Congress of the Italian Chemical Society, Rende (CS) 7 - 12 September 2014, " LCA methodology application to chemical processes: a comprehensive approach to assess sustainability"
- Oral presentation at the XIV NATIONAL CONGRESS OF CHEMICAL ENVIRONMENT AND CULTURAL HERITAGE "The chemistry in the sustainable society" Rimini, 2-5 June 2013 oral communication Cespi D., F. Passarini, E. Neri¹, I. Vassura, L. Ciacci F. Cavani: "Analysis of the life cycle of industrial chemical processes: application to the synthesis of acrylonitrile by ammoxidation reaction"
- Oral communication EuCheMS the 14th International Conference on Chemistry and the Environment 25-28 June 2013 Barcelona - Daniel Cespi, Fabrizio Passarini, Esmeralda Neri, Ivano Vassura, Luca Ciacci, Fabrizio Cavani: "Application of LCA methodology to a chemical process: the production of acrylonitrile by Ammoxidation "
- Poster at the XVII National Congress of Catalysis GIC in 2013 and XI National Congress of Zeolites Science and Technology, Riccione 15-18 September 2013 and at Ecomondo 2013 Rimini 6 to 9 November 2013 Cespi D., F. Passarini, E. Neri, I. Vassura, L. Ciacci, F. Cavani: "Application of LCA methodology to a chemical process: the production of acrylonitrile by Ammoxidation"

● INTERNATIONAL PROJECTS

International Projects

- Marco Polo fellowship at the Institut de Ciència i Tecnologia Ambientals (ICTA) of the Universitat Autònoma de Barcelona, Spain; 23rd November 2015 - 25th March 2016; "Integration of assessment methodologies of environmental impacts associated with industrial processes and waste material systems, with particular attention to the Macerata Province (Italy)"
- Local representative Climate-KIC Alumni Association, for the Emilia Romagna region, years 2015-2016-2017-2018:
 - Workshop organization "Social enterprise: a path towards sustainability leadership", Bologna, 29 November 2017.
 - Workshops organization and coaching at Climathon 2017, Rimini, 27 October 2017.
 - Workshops organization and coaching at "EuroEnviro 2017", Rimini, 21-27 May 2017.
 - Workshop organization "Team Working", Bologna, 15th December 2016.
 - Seminary organization "From COP21 to R2B" at Research to Business fair, Bologna, 14 June 2016
 - Workshop organization "Climate Change Awareness is not funny (and it should be), Bologna, 31 March 2015
 - Partecipation at "Local Representatives meeting", 16-18 January 2015, Frankfurt (Germany)
 - Partecipation at "EIT Alumni Connect - INNOVEIT 2015", 4-5 May 2015, Budapest (Hungary)
- Partecipation at the Pioneers into Practice 2014 program.
 - Regional placement (May-June 2014) at I.R.C.I. S.p.A. (Pietracuta of San Leo, RN): feasibility study of energy for the valorization of agro-industrial waste by anaerobic fermentation system (biogas)

International placement (september-october 2014) at the University of Valencia, faculty of Physics, Dept Earth Physics & Thermodynamics, Climatology for-n Satellites Group: study of the energy content associated with the different uses of water in a life cycle perspective.

● **TEACHING ACTIVITIES**

Teaching activities

- Lecture at the course "Environmental Technologies and Certifications" of the Second cycle degree programmes (LM) in Industrial Chemistry, University of Bologna, Academic years: 2013/14, 2014/15, 2015/16
- Lecture to high school students (Rimini Province), in collaboration with ASSOform, years 2014 -2015 - 2016