





Emanuele Oddo


Date of birth: 11/11/1993

Nationality: Italian

CONTACT

 corso Risorgimento 119,
28100 Novara, Italy

 [emanuele.oddo.
93@gmail.com](mailto:emanuele.oddo.93@gmail.com)

 (+39) 3894429323

WORK EXPERIENCE

01/02/2022 – CURRENT – Milano, Italy

Project manager

Fondazione Eni Enrico Mattei (FEEM)

Management and technical support to research projects dealing with energy transition, advanced energy solutions for decarbonization and public policies for sustainable development.

- ENI Award: high-quality prize aimed to promote and award research and technological innovation in the fields of energy, environment, and energy transition, as well as to foster young talents in research
- *Comitato Salute*: institution of a scientific board with the aim of monitoring, advising, and disseminating research on predetermined interest areas, including occupational hygiene, toxicology, and models of governance for health and social services

This also includes coordination support to stakeholders engagement, networking, and FEEM dissemination activities.

11/2021 – 02/2022 – Milano, Italy

Research assistant

Politecnico di Milano

Support for laboratory activity, experimental data elaboration and drafting of scientific papers.

Main project: Identification of alternatives to HF for low-temperature digestion and characterization of catalysts and geological samples.

10/2018 – 02/2022 – Milano, Italy

University teaching assistant

Politecnico di Milano

Support for teaching through practical and theoretical lectures as well as drafting and revision of written exams for three academic years for the following courses:

- Fluid mechanics
- End-of-pipe and emergency spills treatments A+B
- Safety analysis and occupational hygiene

03/2019 – 02/2022 – Milano, Italy

Academic advisor

Politecnico di Milano

Integrative seminars for the bachelor course of "Safety and reliability in the process industries" covering the following topics:

- Statistics and Boolean algebra
- Chemical kinetics and ideal chemical reactors
- Flow diagrams (BFD, PFD e P&I)

07/2020 – 05/2021 – Milano, Italy

Research collaborator

Fondazione Eni Enrico Mattei (FEEM)

Drafting and revision of two chapters of the report "Roadmap to 2050: The Land-Water-Energy Nexus of Biofuels", coordinated by Fondazione Eni Enrico Mattei (FEEM) and Sustainable Development Solutions Network (SDSN).

EDUCATION AND TRAINING

01/05/2018 – CURRENT – Milano, Italy

PhD program in Materials Engineering

Politecnico di Milano

My research interests include:

- wastewater remediation and reuse
- electrochemical technologies
- biofuels production and processing
- airborne pollutants measuring and control
- CO2 capture and reuse
- innovative materials manufacturing

Additionally, many PhD courses and experience during the PhD program provided me with a sound framing about environmental issues and sustainable development.

Thesis: Remediation of degreasing wastewaters with combined electrochemical and biological methods | EQF level 8

14/01/2022

CAPM - Certified Associate in Project Management

Project Management Institute (PMI)

The PMI-CAPM certifies the knowledge in the principles and terminology of project management as well as in the global standard of the profession. It provides the owner with the tools to apply this expertise to on-the-job experiences and in the practice of project management.

14/01/2025 | <https://www.pmi.org>
https://www.credly.com/badges/4f14a0a6-e703-4e69-a74b-62b6357632a0/public_url

06/09/2021 – 10/09/2021 – Como, Italy

"Going circular with critical raw materials" summer school

Lake Como School of Advanced Studies

Principles of circular economy applied to sustainable management of (critical) raw materials, with particular focus on company and supply chain perspectives (product design solutions, closed-loop supply chains).

11/06/2021 – 08/07/2021 – Milano, Italy

"Human security and sustainable development" diploma

Istituto per gli studi di politica internazionale (ISPI)

Selected courses addressing sustainability and security from a geopolitical perspective, including:

- Food security and nutrition
- Global governance and the role of international organizations
- Disaster Risk Reduction (DRR)

02/2021 – 02/2021 – Milano, Italy

"Agile Engineer" course

FOIM (Fondazione dell'Ordine degli Ingegneri della Provincia di Milano)

The course introduced the Agile manifesto and its working principles, the benefits in the project management compared to waterfall approach and the key role of the "Scrum" group, through frontal lectures and practical sessions.

<https://foim.org>

2015 – 2017 – Milano, Italy

Master's degree in Chemical Engineering

Politecnico di Milano

- Chemical reaction engineering and advanced chemical reactors engineering
- Process control and instrumentation
- Industrial organic chemistry and food industry processes
- Chemical plants

110/110 cum laude | Thesis: Characterization of the emissions from scented tea-light candles | EQF level 7

2012 – 2015 – Milano, Italy

Bachelor's degree in Chemical Engineering

Politecnico di Milano

- Industrial inorganic chemistry
- Fluid mechanics and transport phenomena
- Chemical kinetics and thermodynamics for chemical engineering
- Chemical plants

103/110 | Thesis: Platinum promotion of Fischer-Tropsch Cobalt-based catalysts | EQF level 6

2007 – 2012 – Novara, Italy

High school Classical diploma

Liceo classico e linguistico "Carlo Alberto"

100/100 cum laude | Thesis: The varied and paradoxical universe of Weimar republic | EQF level 4

CONFERENCES AND SEMINARS

- **25/03/2021** > – PhD workshop organized by Innovhub (oil and greases branch), Milano, Italy
- **"Improved biodegradability of food industry effluents through electrochemical oxidation"**
<https://www.innovhub-ssi.it/>
- **16/10/2020 – 26/10/2020** > – SDSN - FEEM "Roadmap to 2050: the Land-Water-Energy Nexus of Biofuels" online workshop
- **"Roadmap to 2050: Biofuel Technologies" (speaker and moderator)**
organized by Sustainable Development Solutions Network (SDSN) and Fondazione ENI Enrico Mattei (FEEM)
- **16/01/2020** > – PhD workshop organized by Innovhub (paper and textiles branch), Milano, Italy
- **"Preliminary study of degreasing wastewaters remediation through combined approaches"**
<https://www.innovhub-ssi.it/>
- **23/05/2018 – 26/05/2018** > – Joint Meeting of the German and Italian sections of the Combustion Institute, Sorrento, Italy
- **"Preliminary characterization of the emissions from scented tea-light candles"**
<http://www.combustion-institute.it/images/stories/41.html>

PUBLICATIONS

- **C.S. Goh, M. Masi, L.A. Horta Nogueira, E. Oddo, M.C. Rulli, J.E.A. Seabra, Roadmap to 2050: the Land-Water-Energy Nexus of Biofuels**
<https://roadmap2050.report/static/files/roadmap-to-2050-biofuels.pdf>
SDSN - FEEM (2021)
- **E. Oddo, R.M. Pesce, L. Magagnin, M. Derudi, Amino-functionalized magnetic nanoparticles for carbon dioxide capture**
<https://www.tandfonline.com/doi/full/10.1080/19475411.2021.1987350?scroll=top&needAccess=true>
International Journal of Smart and Nano Materials (2021)
- **M. Masi et al., Chemical Engineering Greetings to Prof. Laura Annamaria Pellegrini on occasion of her 65th birthday**
AIDIC (2021), ISBN 978-88-95608-99-0
- **E. Oddo, M. Derudi, Preliminary characterization of the emissions from scented tea-lights candles**
Proceedings of the Joint Meeting of the German and Italian Sections of the Combustion Institute,
Sorrento, Italy (2018), ISBN 978-88-88104-22-5

LANGUAGE SKILLS

MOTHER TONGUE(S): Italian

OTHER LANGUAGE(S):

English

Listening
C1

Reading
C1

**Spoken
production**
C1

**Spoken
interaction**
C1

Writing
C1

French

Listening
B2

Reading
B2

**Spoken
production**
B2

**Spoken
interaction**
B2

Writing
B2

HONOURS AND AWARDS

2018

PhD scholarship prize | for merit – Politecnico di Milano

2012

"Enrico Gregotti" award | for merit – Liceo classico e linguistico
"Carlo Alberto"

DRIVING LICENCE

Driving Licence: B

DISCLOSURE OF PERSONAL INFORMATION

I authorize:

- the processing of personal data in accordance with GDPR 2016/679 (Reg.EU 2016)
- the publication of the CV on the FEEM website in accordance with D.Lgs 33/2013 (et similia)