

PERSONAL INFORMATION

Lucia Gardossi



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Sex F | Date of birth 06/07/1963 | Nationality Italian

University
<input checked="" type="checkbox"/> Associate Professor

WORK EXPERIENCE

- 2005-on Associate professor of organic chemistry (SSD Chim06). Habilitated as full professor (SSD Chim 06; Chim 07; Chim 11).
Università degli Studi di Trieste, Dipartimento di Scienze Chimiche e Farmaceutiche
- Research: Head of the Laboratory of Applied and Computational Biocatalysis.
 - Teaching
- Higher education
- 1995-2005 Assistant professor of organic chemistry (SSD Chim06).
Università degli Studi di Trieste, Dipartimento di Scienze Chimiche e Farmaceutiche
- Research: Head of the Laboratory of Applied and Computational Biocatalysis.
 - Teaching
- Higher education
- 1993-95 Researcher
Polybios-Research Center for Polymer Products from Renewable Sources (hereinafter POLY-TECH Soc. Co.), Science Park-Trieste..
- Carbohydrate chemistry and biocatalysis.
- Research and development
- 1989-91 Associate researcher
Massachusetts Institute of Technology (MIT), Cambridge, (USA)
Department of Chemistry
- Biocatalysis.
- Research
- 2007-2013 Co-founder of the spin-off *SPRIN SpA* and scientific responsible.
SPRIN S.p.A., Technologies for Sustainable Chemistry, c/o BIC Incubatori FVG, via Flavia 23/1
34148 Trieste - Italy
- Biocatalysis, computational chemistry.
- Research and development
- 2009-2012 Scientific coordinator of the FP7 EU project, "IRENE" (In silico Rational Engineering of Novel Enzymes. Contract 227279).
Università degli Studi di Trieste
- Biocatalysis, computational chemistry, molecular dynamics, bioinformatics, machine learning..
 - Budget 4 M €. Collaborative project for EU-Russian cooperation, 11 partners.
- Research

- 2013-2016 Vice chair
European Commission
Advisory group for the Societal Challenge 2 of Horizon 2020
▪ Sustainability, bioeconomy.
Scientific advisory to policy makers
- 2016-2017 Rapporteur
European Commission
Mid-term evaluation of Horizon 2020 programme “Bio Based Industry Joint Undertaking”.
▪ Sustainability, bioeconomy.
Scientific advisory to policy makers
- 2020 Scientific expert
Ministero dell’Ambiente e della Tutela del Territorio e del Mare, Italy
▪ Member of the working group for the Bioeconomy
Scientific advisory to policy makers
- 2020 Scientific Expert
Ministero dell’Istruzione, dell’Università e della Ricerca (MIUR), Italy
▪ Member of the for the expert group for the writing of Italian PNR (National Research Plan)
Scientific advisory to policy makers
- 2021-on Scientific responsible of European research project 2021: Marie Curie single fellowship grant agreement 101029444, H2020-MSCA-IF-2020, 2 years.
“Sustainable route for circularity of renewable polyesters”.
▪ Bioplastics, bioinformatics, machine learning
Research and development
- 20019-on Member of the National Bioeconomy Coordination Board of the Italian Presidency of Council of Ministers
▪ Sustainability, bioeconomy
Support to policy makers
- 2017-on Member of the board of the National Technology Cluster for Circular Bioeconomy SPRING and coordinator of the Technical and Scientific Committee
▪ Sustainability, bioeconomy.
Support and coordination for research institutions and industries
- 2009 Consultant.
ICS-UNIDO: Research, training and teaching activities within the program: "Next generation bio-fuels and bio-based chemicals".
▪ Sustainable chemistry, Biocatalysis computational chemistry.
Research and training
- 2003-2004 Consultant. DSM industry consultant (Koninklijke DSM N.V.), - Geleen, NL.
▪ Biocatalysis, peptide chemistry, computational chemistry.
Research and development

EDUCATION AND TRAINING

- 1982-88 MSc in Pharmaceutical chemistry and technology
Università degli Studi di Trieste
▪ Chemistry, medicinal chemistry, chemometrics, biocatalysis
- 1991-94 PhD in Pharmaceutical chemistry
Università degli Studi di Trieste

PERSONAL SKILLS

Mother tongue(s)	ITALIAN				
Other language(s)	ENGLISH,				
Self-assessment	Understanding		Speaking		Writing
European level (*)	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
(*) Common European Framework of Reference for Languages					

- Job-related experimental and computational skills Biobased chemistry, bioplastics, green chemistry, biomass valorization, biocomposite materials, biocatalysis, organic chemistry, computer-aided molecular simulation of enzymes; integration of molecular dynamics, molecular mechanics, docking, molecular descriptors based on GRID force field, for biocatalysis and rational enzyme engineering, machine learning, multiobjective optimization, chemometrics, 3D QSAR.
- Other EU projects (responsible for local research unit) 2019: H2020-MSCA-ITN-2019, INTERFACE project: Heterogenous biocatalytic reaction cascades training network. Project ID: 860414.
2019-2022: "PRIME project": Process and products for green chemistry", (EU-PORFESR)
2009-2012: coordinator: EU Cooperation Programme, 7FP, "IRENE project" (In silico Rational Engineering of Novel Enzymes. Contract 227279).
2001-2004: EU FP5- "COMBIOCAT" Project (Grant agreement QLK3-2000-00160). "Evolutionary discovery of novel drugs by orchestration of polymer-supported combinatorial bio-/chemistry." <http://www.combiocat.de/>.
2012-2013: FP7 REFINE (REnewable FunctioNal matERial – Training material scientists for a sustainable polymer industry) scientific responsible for the spin-off SPRIN technology for sustainable chemistry. <http://www.fp7-refine.eu/>
- Industrially funded projects 1999-2021: responsible for 15 projects funded by international and national industries for about 450,000 €
- Other assignments
- Since 2020: Member of the of the Scientific and Technical Committee of Assobioplastiche, Italy
 - Since 2020: member of the Executive Board of "Biomaterials" of the "European Federation of Biotechnology".
 - Since 2020: Member of the Editorial Board of Bioeconomy Journal, <https://www.journals.elsevier.com/efb-bioeconomy-journal/>
 - 2020: member of the expert group for the " BBI JU Project Portfolio and KPIs Validation" of Horizon 2020
 - Since 2005: Italian representative inside the scientific board of ESAB (the European Session of Applied Biocatalysis of EFB)

ADDITIONAL INFORMATION

- Publications ORCID iD: <https://orcid.org/0000-0002-8908-2625>
The complete list of publications is available at https://arts.units.it/simple-search?filterquery=rp13181&filtername=author&filtertype=authority&sort_by=bi_sort_2_sort&order=DESC#Yehp0PiSI2w
Citations: 4505 (since 2017 2044); Hi index: 30 (since 2017 19); i10 index 81 (since 2017 32) (google scholar)
- Honours and awards
- 2020: XVI edition of the "Tecnovisionarie 2020" Award, promoted by the Women and Technology association. "Interpreting the circular economy through innovation," Special Research and Science Award, Award presented by the Minister for Equal Opportunities and the Family
 - 2006: Best business plan for "Start Cup 2006" competition, Università degli Studi di Trieste.
- La sottoscritta Lucia Gardossi, ai sensi dell'art. 13 del D.lgs. 196/2003 e degli Artt. 13-14 del GDPR attraverso la presa visione del documento "Informativa sul conferimento e trattamento dei dati personali e sulla pubblicazione degli elementi ritenuti non sensibili nei siti istituzionali e di consultazione aperta"*
- DICHIARA
- di esser stato adeguatamente informato riguardo al trattamento dei propri dati personali per i fini indicati nella stessa.*

Trieste, 13 aprile 2022
Lucia Gardossi

