

PERSONAL INFORMATION

Floriana La Marca



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WORK EXPERIENCE

November 2025 – onward

Associate Professor, Department of Civil, Chemical, Environmental and Materials Engineering (DICAM)

Alma Mater Studiorum – University of Bologna, Department of Civil, Chemical, Environmental and Materials Engineering (DICAM), School of Engineering and Architecture, Via Umberto Terracini 28, 40131 Bologna

Academic Discipline: CEAR-02/C – Raw Materials Engineering

▪ Main tasks:

Scientific research activities and teaching duties in the sector of raw materials engineering: control (characterization and optimization) and processing (separation and treatment, fine particle technology) of primary and secondary raw materials from a technological, economic, and environmental perspective. Application of the Life Cycle Assessment (LCA) methodology to commodity management in the field of consumer products.

Business or sector: University Research and Education

March 2019 – onward

Project Adviser FGIV, EASME EC – Unit B2: H2020 Environment and Resources

Unit B2.4 – Raw materials and SILC II, Place Charles Rogier 16 – 1210 Brussels, Belgium

▪ Main tasks:

Calls for proposals and calls for tender – promotion, evaluation and negotiation
Project/programme management including planning, monitoring, evaluation, project closure and post project activities
Internal and external communication and dissemination of information
Internal co-ordination and consultation
Representation and external coordination

Business or sector: EC Executive Agency

October 2016 – February 2019

Education Officer, Innovation Hub (CLC) South, EIT RawMaterials

EIT RawMaterials, Innovation Hub (CLC) South, c/o ENEA Research Centre, 301, Via Anguillarese, 00123 Rome, Italy

▪ Main tasks:

Management, implementation and evaluation of a portfolio of projects focused on innovation and entrepreneurship in the raw materials sector, in compliance with H2020 rules and other applicable rules (as Project Officer).

Development and execution of the Business Plan of EIT RawMaterials, as an integral part of H2020 policies for research and innovation, implementing activities and providing services inside the Knowledge Triangle (business, research and education) (as member of the EIT RawMaterials Education Team).

Presentation of EIT RawMaterials organization in relevant events, contributing to efficient collaboration with the EIT RM ecosystem, with other stakeholders, as well as with other KICs, to facilitate sharing of lessons learnt and best practices (as member of the EIT RawMaterials staff).

Business or sector: Research – R&D&I Entity

January 1999 – October 2016

Assistant professor, Dept. of Chemical Engineering, Materials & Environment

Sapienza University of Rome, Dept. of Chemical Engineering, Materials & Environment, Faculty of Engineering – 18, Via Eudossiana, 00184, Rome, Italy

Main tasks:

Scientific research activity in the primary and secondary raw materials sector, involving control (characterization and optimization) and processing (separation and treatment, fine particle technology) with a technological/economical/environmental perspective. Application of the Life Cycle Assessment (LCA) methodology to raw materials management in the field of consumer products.

Teaching duties: promoter within the Erasmus Plus Programme, Key Action 1, 2014-2020; courses and theses supervision in the field of raw materials engineering (processing, recovery and recycling, eco-balance of resources) and of safety and environmental protection, at M.Sc. and PhD level.

Business or sector: Research and Education

April 1997 – March 1998

Fellowship, ENEA (Italian Agency for New Technologies, Energy and Sustainable Economic Development)

ENEA (Italian Agency for New Technologies, Energy and Sustainable Economic Development), C.R. Casaccia - Via Anguillarese 301, 00060 Santa Maria di Galeria, Rome, Italy

- Analysis of remote sensed data for implementing the Italian Antarctic expedition and organizing all the relevant technical and logistic actions in collaboration with ITASE project international team.

Business or sector: Research

EDUCATION AND TRAINING

18 July 2001

PhD in Materials, Raw Materials and Metallurgical Engineering - environmental protection

EQF level: 8

Sapienza University of Rome, Dept. of Chemical Engineering, Materials & Environment

- Characterisation of objects by image analysis
- Advanced imaging processing applied to primary and secondary raw materials processing

November 1996 – March 1997

Specialization in Economy and Management of Energetic Resources

EQF level: 7

Management School "LUISS Guido Carli", Rome, Italy

- Production, economics, management and politics of energy resources

27 May 1996

Laurea in Environmental Engineering

EQF level: 7

University of Rome "La Sapienza" – Faculty of Engineering

- Raw materials engineering
- Mineral processing
- Image analysis and processing
- Recycling technologies

PERSONAL SKILLS

Mother tongue(s)

Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	C1
French	C1	C1	B2	B2	C1
Spanish	A2	A2	A2	A2	A2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Job-related skills

- Knowledge of EU research and innovation policies and of H2020 and HORIZON Europe rules in project management, thanks to the experience acquired both in participation and evaluation of EU projects and in the work experience at EIT RawMaterials
- Effective capability in co-ordination of activities with different stakeholders, acquired as responsible in management and implementation of projects involving several participants
- Knowledge of the raw materials sector at different levels: (primary and secondary) resources processing and LCA implementation, from a technical, environmental and economical point of view
- Understanding of eco-innovation processes implementing circular economy, such as industrial symbiosis (involved in inter-academic national projects)

Communication skills

- Adaptability to multi-cultural environments gained through my experience as independent expert in international institutions and in collaborative projects and in the work experience at EIT RawMaterials
- Marked inclination for teaching and education acquired through my decennial experience as assistant professor at university
- Effective communication attitude, acquired during the decennial working experience through debating and public speaking

Organisational / managerial skills

- Optimum predisposition to project management and teamwork, involving different stakeholders, gained through the participation to several national and international projects both as project officer and as senior researcher or principal investigator.
- Strong analytical skill aimed to problem solving (acquired as responsible for research projects)

Driving licence

- B

ADDITIONAL INFORMATION

Events

- Organization of several events within the EIT RawMaterials Matchmaking and Networking activities
- Organization of the "Raw Materials University Day" launching event, held in Rome, 6th December 2013, in collaboration with DG GROW, in the framework of the EIP on Raw Materials.
- Participation as speaker in numerous national and international conferences and meetings in the field of raw materials (see Annex 1 for list of publications)

Projects

- Participation in the COST Action OC-2015-1-19498 - Mining the European Anthroposphere (MinANTHRO) (2016-2020)
- Participation in the Call for proposal of Lazio Region, within the regional Smart Specialisation Strategy (Regional Operational Programme, European Regional Development Funds) (2015-2016)
- Principal Investigator in the research project "Support activities in identification of technological best-options aimed to treatment and valorisation of civil sewage sludge", funded by Enea (2015)
- Principal Investigator in the research project "Pre-treatment of LiFePO₄ batteries for the recovery of lithium and other materials", funded by ENEA, (2014-2015)
- Participation in the EQUATOR Commitment "Employ of Waste instead of Quarry for sUBstitution of AnTimOny as fire Retardant additive", within EIP on Raw Material
- Principal Investigator in the research project "Analysis and assessment of life cycle and technologies concerning End of Use tyres management", funded by ENEA. (2013-2014)
- Principal Investigator in the research project "Innovation hydraulic separation processes applied to materials recovery: development of analytical/theoretical modelling and experimentation on samples of plastics starting from Multidune" funded by Sapienza University of Rome (2013)
- Principal Investigator in the research project "Technical and scientific support to the activities of ENEA for the realisation of a platform for industrial symbiosis in Sicily applied to WEEE and plastic waste", funded by ENEA. (2012-2013)
- Principal Investigator in the research project "Development of an integrated process for hydraulic separation and detection/hyperspectral analysis in order to optimize separation efficiency in plastics recycling", funded by Sapienza University of Rome (2011-2012)
- Participation in the LiSUM project, Erasmus Mundus External Cooperation Window, at Nanjing University, School of the Environment, Nanjing, China (2010)
- Principal Investigator in the research project "PHARMAPACK – Development of Systems Aimed to Processing and Recovery of Primary Pharmaceutical Packaging and Waste Pharmaceutical Products", funded by ABBOTT (2006-2007)

- Senior Scientist in the European research project “Valorisation du Patrimoine Culturel Transnational du Thon dans la Méditerranée Occidentale – THON.DOC”, within the Programme d’initiative communautaire, Programme INTERREG IIIB MEDOCC (2006-2007)
- Senior Scientist in the European research project “Système de Protection de l’Environnement et du Patrimoine Culturelle des Espaces Méditerranéens de valeur naturelle et culturelle spéciale sous pression urbaine et économique – S.P.A.C.E.”, within the Programme d’initiative communautaire, Programme INTERREG IIIB MEDOCC (2004-2006)
- Senior Scientist in the research project of relevant national interest “Raw Materials and Waste Treatment as Fine Particles Aimed to Handling and Recycling”, co-funded by Italian Ministry of University (Cofin 2003)
- Principal Investigator in the research project “Fine Particles Technology”, funded by Italian Ministry of University, Young Researchers Project, (2000)

Memberships and recognitions

- Member of Council Committee of International Federation of Measurement and Control of Granular Materials (IFMCGM)
- Member of the Operational Group 1 (WP 1 - Developing innovative technologies and solutions for sustainable and safe raw materials supply) of the European Innovation Partnership (EIP) on Raw Materials
- Member of the Consolidation Group of the VOICES (Views, Opinions and Ideas of Citizens in Europe on Science) initiative, EU funded project
- Member of the Working Group II (WG II: Closing the loop: European rare earths resource efficiency and recycling) of the European Rare Earths Competency Network (ERECON)

Peer review, projects evaluation

- Reviewer in International Journals: Waste Management, Journal of Material Cycles and Waste Management, Particle and Particle Systems Characterization, Granular Matter.
- Independent expert for the European Commission in the first (June-July 2011) and second (August-September 2012) technical review of project ZeroWIN (contract 226752).
- Independent expert for the European Commission in the evaluation of research proposals in relation to FP7-NMP-2012-CSA-6 call for proposals, in the period 13-17 February 2012.
- Independent expert for the European Commission in the evaluation of research proposals in relation to FP7- ENV.2013.6.3-1 (stage 1 and 2) call for proposals, in the period October 2012-April 2013.
- Independent expert for the evaluation of research proposals in relation to ERA-MIN Joint Call on Sustainable supply of primary resources 2013, in the period September-October 2013.
- Independent expert for the European Commission in the evaluation of research proposals in relation to Horizon2020 Waste-4b-2014 call for proposals, in the period April-May 2014.
- Independent expert for the evaluation of research proposals in relation to ERA-MIN Joint Call on Sustainable supply of primary resources 2014, in the period September-November 2014.
- Independent expert for the evaluation of research proposals in relation to ERA-MIN Joint Call on Sustainable supply of primary resources 2015, in the period July-September 2015.
- Independent expert for the evaluation of proposal in relation to COST OC-2015-2 open call collection, in the period call November-December 2015.

References

Vincenzo Gente (Vincenzo.GENTE@ec.europa.eu)
 Senior Project Adviser
 European Commission
 Executive Agency for Small and Medium-sized Enterprises (EASME)
 Unit B2 – Environment and Resources

Pier Luigi Franceschini (pierluigi.franceschini@eitrawmaterials.eu)
 General Manager
 EIT RawMaterials South Innovation Hub (CLC)

Rima Dapous (rima.dapous@eitrawmaterials.eu)
 Director Education
 EIT RawMaterials