Loredana Lopez

PERSONAL INFORMATION

ENEA – Italian National Agency for New Technologies, Energy and Sustainable Economic Development
Energy Technologies and Renewable Sources Department
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Sex Female | *Date of birth* 04/05/1968 | *Nationality* Italian

Enterprise	University	EPR
☐ Management Level	☐ Full professor	☐ Research Director and 1st level Technologist / First Researcher and 2nd level Technologist / Principal Investigator
☐ Mid-Management Level	☐ Associate Professor	☒ Level III Researcher and Technologist
☐ Employee / worker level	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

From 02/2019 – until today

Researcher - Permanent position

ENEA C.R. Trisaia, SS 106 Jonica km 419+500, 75026, Rotondella (MT), Italy)

- Molecular biology and biotechnology of plant and microorganisms. Genomic, metagenomic, transcriptomic and proteomic approaches for the characterization and improvement of plant and microbial resources to produce bioenergy, bioproducts and biocatalysts.

From 09/2013 – to 01/2019

Researcher – Fixed term position

ENEA C.R. Trisaia, SS 106 Jonica km 419+500, 75026, Rotondella (MT), Italy)

- Molecular biology and biochemistry, functional genomics and proteomic analysis of plant species of agro-industrial importance. High-throughput sequencing. Gene expression studies for the identification of genetic factors involved in biosynthesis of molecules of interest for the agro-industrial, energy and green chemistry sectors.

From 06/2007 – to 08/2011

Research grant

ENEA C.R. Trisaia, SS 106 Jonica km 419+500, 75026, Rotondella (MT), Italy)

- Genomic and proteomic analysis of plant species of agronomic importance. Structural and functional characterization of plant photoreceptors

From 2000 – to 2007

Contract-based Lecturer

University of Calabria, Via Pietro Bucci 87036 Arcavacata di Rende (CS), Italy

- Molecular Biology and Biochemistry lectures.
- Biological Sciences master's degree course.

EDUCATION AND TRAINING

2004

PhD in Plant Biology

University of Calabria, Via Pietro Bucci 87036 Arcavacata di Rende (CS), Italy

- Mitochondrial genes: applications and limitations in molecular evolution and phylogeny studies in plants.

1999

Professional training in Biology

University of Calabria, Via Pietro Bucci 87036 Arcavacata di Rende (CS), Italy

1998 Master Degree in Biology

University of Calabria, Via Pietro Bucci 87036 Arcavacata di Rende (CS), Italy

▪ RNA editing of the gene for ribosomal protein S19 in mitochondria of Magnolia species.

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s) English

Job-related skills Molecular Biology, functional genomics, transcriptomics, metagenomics and proteomics.

Digital skills Windows, Linux, Bioinformatics software

ADDITIONAL INFORMATION

Publications

total number of publications in peer-review journals: 35
total number of citations: 4486
H index: 14

- Omics approaches on fresh-cut lettuce reveal global molecular responses to sodium hypochlorite and peracetic acid treatment. Daddiego, L., Bianco, L., Capodicasa, C., Carbone, F., Dalmastri, C., Daroda, L., Del Fiore A., De Rossi P., Di Carli M., Donini M., Lopez L., Mengoni A., Paganin P., Perrotta G., & Bevivino, A. 2018. Journal of the Science of Food and Agriculture, 98(2), 737-750. doi.org/10.1002/jsfa.8521.
- Pyrosequencing Unveils Cystic Fibrosis Lung Microbiome Differences Associated with a Lung Function Decline. Bacci G, Paganin P, Lopez L, Vanni C, Dalmastri C, Cantale C, Daddiego L, Perrotta G, Dolce D, Morelli P, Tuccio V, De Alessandri A, Fiscarelli EV, Taccetti G, Lucidi V, Bevivino A, Mengoni A. 2016, PLoS One. 11(8): e 0160726. doi: 10.1371/journal.pone.0156807.
- Functional metagenomic and proteomic characterization of soil microbial community associated with decomposing reeds. Perrotta G., Bianco L., Carbone F., Daddiego L., Facella P., Lopez L., 2014, New Biotechnology 31, S170-S171. doi.org/10.1016/j.nbt.2014.05.2044.

Projects

- (2016 - 2021) Life4MarPiccolo – LIFE14 ENV/IT/000461 "A New Life for Mar Piccolo" Fondo di ricerca/Grant: European Commission – LIFE programme - Executive Agency for Small and Medium-sized Enterprises.
- (2019 - 2022) Era CoBioTech RHODOLIVE - Biovalorization of Olive Mill Wastewater (OMW) to Microbial Lipids and Other Products via Rhodotorula glutinis Fermentation - Grant 722361.
- (2019 – 2022) PSR Basilicata Mis. 16.2 "O.r.g.oli.o Lucano".
- (2021 – in progress) PRIMA Project REVINE- Regenerative agricultural approaches to improve ecosystem services in Mediterranean vineyards.
- (2022 – in progress) WWGF – Wet Waste to Green Fuel – Gassificazione rifiuti organici umidi con acqua supercritica per produzione di biometano – GNL PON "Ricerca e Innovazione" 2014-2020 Avviso MIUR n. 1735 del 13/07/2017 Progetti di Ricerca Industriale e Sviluppo Sperimentale nelle 12 Aree di Specializzazione del PNR 2015-2020.
- (2022 – in progress) ACCORDO DI PROGRAMMA MiTE – ENEA – (PNRR) –MISSIONE 2 "RIVOLUZIONE VERDE E TRANSIZIONE ECOLOGICA" – COMPONENTE 2 "ENERGIA RINNOVABILE, IDROGENO, RETE E MOBILITÀ SOSTENIBILE" – INVESTIMENTO 3.5 "RICERCA E SVILUPPO SULL'IDROGENO", FINANZIATO DALL'UNIONE EUROPEA – NEXT GENERATION EU.

Other Relevant Information Google Scholar Page: scholar.google.com/citations?user=aBoSouUAAAAJ&hl=it
Scopus: https://www.scopus.com/authid/detail.uri?authorId=7201950449
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Date 07/02/2024

Signature (holographic format)