

Rosaria Alessandra Magarelli



📍 ENEA Italian National Agency for New Technologies, Energy and Sustainable Economic Development  
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Sex Female | *Date of birth* 24/06/1973 | *Nationality* Italian

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input type="checkbox"/> Full professor	<input checked="" type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist / Principal Investigator
<input type="checkbox"/> Mid-Management Level	<input type="checkbox"/> Associate Professor	<input type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

**WORK EXPERIENCE**

- January 2002-today      **Permanent staff researcher**  
 ENEA Trisaia Research Center  
 Environmental monitoring, sustainable agriculture, circular economy
- March 2000-December 2001      **Fixed-term staff researcher**  
 ENEA Trisaia Research Center  
 Environmental monitoring
- April 1999-February 2000      **Research fellow**  
 CNR-MISO Bari  
 Life Cycle Assessment- Evaluation of the environmental impacts on air and water of the production of dimethylcarbonate, methanol and their by-products
- February 1998-March 1999      **Cooperation agreement**  
 University of Bari-METEA Interdipartimental Center  
 Air Pollution-Data collection for the creation of the inventory of emissions in atmosphere in the Apulia region. Application of pollutants diffusion models in the atmosphere

**EDUCATION AND TRAINING**

- 1991-1998      **MSc Environmental Sciences**  
 University of Bari  
 Environmental monitoring and protection, environmental chemistry, life cycle assessment, ecology

**WORK ACTIVITIES**


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**Patents** Torularhodin extraction method  
 Vincenzo Larocca; Mario Trupo; Alfredo Ambrico; Maria Martino; Rosaria Alessandra Magarelli;  
 Roberto Balducchi; Anna Spagnoletta  
 Patent N. ENEA 940 date 12-09-2023  
 Patent request N. 102023000018729

**PERSONAL SKILLS**


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Mother tongue Italian

Other languages English B2  
 Spanish Nivel Inicial-Instituto Cervantes

Job-related skills Assessment of environmental pollution, assessment of the antimicrobial activity of biomolecules and/or antagonists against phytopathogens; characterization of microorganisms of agro-industrial interest; management of microbial collections. "Trained Taster" and "Panel Leader" in compliance with ISO 8586/1 and ISO 8586/ standards.

Digital skills Use of Microsoft Office, R language for statistical analysis, MODDE® - Design of Experiments  
 Software Sartorius, software dedicated to various laboratory instruments

**ADDITIONAL INFORMATION**


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**Publications** total number of publications in peer-review journals 8  
 total Impact Factor (IF) (average IF/paper), 3,65  
 total number of citations 66  
 H index 5

Evaluation of carbon dioxide supercritical fluid extraction (CO<sub>2</sub>-SFE) on carotenoids recovery from red yeast cells  
 Larocca V., Martino M., Trupo M., Magarelli R. A., Spagnoletta A., Ambrico, A.  
 Biomass Conversion and Biorefinery, 2023

Crude lipopeptides from culture of *Bacillus subtilis* strain ET-1 against *Podospaera xanthii* on *Cucumis melo*  
 Trupo, M., Magarelli, R.A., Martino, M., Larocca V, Giorgianni, A., Ambrico, A.  
 Journal of Natural Pesticide Research, 2023, 4, 100032

Designing a Waste-Based Culture Medium for the Production of Plant Growth Promoting Microorganisms Based on *Cladodes* Juice from *Opuntia ficus-indica* Pruning  
 Magarelli, R.A., Trupo, M., Ambrico, A., Larocca V., Martino M, Palazzo S., Balducchi R., Joutsjoki V., Pihlanto A., Bevivino, A.  
 Fermentation, 2022, 8(5), 225

Effectiveness of *Dunaliella salina* extracts against *Bacillus subtilis* and bacterial plant pathogens  
 Ambrico, A., Trupo, M., Magarelli, R., Balducchi, R., Ferraro, A., Hristoforou, E., Marino, T., Musmarra, D., Casella, P., Molino, A. Pathogens, 2020, 9(8), pp. 1–14, 613

Influence of Phenotypic Dissociation in *Bacillus subtilis* Strain ET-1 on Iturin A production  
 Ambrico, A., Trupo, M., Magarelli, R.A.  
 Current Microbiology, 2019, 76(12), pp. 1487–1494

**Projects** SIMBA Horizon 2020 Call: -2018-2020 (Sustainable Food Security)

VALUEMAG Horizon H2020-SFS 2020 / BBI-JU Call: H2020-BBI-JTI-2016 (BIO BASED INDUSTRIES PPP)

**Other Relevant Information**

ENEA PROT MICO Group Manager: Development of innovative methods of environmental measurements and controls from 2003 to 2010

REMET Project Manager "Development of networks and analytical methodologies for environmental monitoring"

Date 01 25 2024

Signature (holographic format)

