

Mario Trupo

PERSONAL INFORMATION



📍 ENEA Italian National Agency for New Technologies, Energy and Sustainable Economic Development Department for Sustainability
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🌐 <https://www.enea.it/it>

🌐 <https://sostenibilita.enea.it/>

Sex M | Date of birth 13/11/1980 | Nationality Italian

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input type="checkbox"/> Full professor	<input 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 checked="" type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

(june 2003 - today)

Permanent Scientific Technician

ENEA Trisaia Research Center

- Sustainable agriculture, Applied microbiology, Fermentation processes

EDUCATION AND TRAINING

(1994 - 1999)

Graduated from Italian secondary school

4 EQF level

Technical Institute of Chemistry and Biology "Pitagora" of Policoro

- develop chemical and biotechnological projects and manage laboratory activities

WORK ACTIVITIES

Patents Torularhodin extraction method
Co-author
Patent request N. 102023000018729 filed on 09/12/2023

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s) English

Job-related skills Microbiology applied to different interesting areas, with particular skill expertise in development of fermentative processes using different types of microorganisms (filamentous fungi, yeasts and bacteria) and animal cells (CHO e HEK); Isolation, biochemical characterization and management of microorganisms with agro-industrial interest.

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

- Publications** total number of publications in peer-review journals 13
total Impact Factor (IF) (average IF/paper), 3,2
total number of citations 235
H index 7
- Evaluation of carbon dioxide supercritical fluid extraction (CO₂-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 *Podosphaera 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** Agritech National Research Center (PNRR). Spoke 8 WP 8.3 Task: 8.3.3 Production of biological-based organic fertilisers from wastes to improve biological soil fertility (2022-2025)
- SIMBA (H2020-LC-SFS-03-2018) Sustainable innovation of microbiome applications in food system (2018-2023);
- VALUEMAG (BBI-JU-2016-R09) Valuable Products from Algae Using New Magnetic Cultivation and Extraction Techniques (2017-2020).

Date

01/25/2024

Signature

