

Alfredo Ambrico



PERSONAL INFORMATION

 ENEA – Italian National Agency for New Technologies,
 Energy and Sustainable Economic Development
 Trisaia Research Centre
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 alfredo.ambrico@enea.it

 <https://bioagro.sostenibilita.enea.it/people>

Sex Male | Date of birth 11/01/1970 | 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 checked="" 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

April 2008-today

Permanent staff researcher

ENEA Trisaia Research Center

- Sustainable agriculture, Fermentation biotechnology, Circular economy

September 2005 - March 2008

High school teacher

- Teaching course: Plant Pathology

July 2005- December 2005

Research grant

University of Basilicata

- Monitoring of parasites of the main vegetable crops of Basilicata

October 2003- October 2004

Research grant

University of Basilicata

- Evaluation of pathogens biodiversity of the main agricultural crops of Basilicata

June 2000- June 2002

Research grant

University of Bari

- Biological and integrated control against foliar diseases of vegetable plants

EDUCATION AND TRAINING

September 1996- March 2000

Phd in Plant pathology

Replace with EQF
(or other) level if
relevant

University of Bari

- Identification of new resistance genes for the control of plant diseases

July 1996

MSc Agricultural Sciences (with 'cum laude')

Replace with EQF
(or other) level if
relevant

University of Bari

- Application of biological control against plant diseases

WORK ACTIVITIES

Patents

- Use of *Aphanocladium album* Preuss W. Gans as limiting parasitic alterations
Coauthor
Concession number 0001374382 date 03/05/2010
- Torularhodin extraction method
Coauthor
Patent request N. 102023000018729 date 12-09-2023

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s) English B1

Job-related skills Research and assessment of environmentally friendly means for control the plant disease both in the field and after the harvest (i.e., microbial antagonists, biomolecules, ozone, essential oil); characterization of microorganisms of agro-industrial interest; implementation biotechnological of fermentative processes and the development of microbial growth protocols on a laboratory and pilot scale; management of microbial collections.

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 9
total Impact Factor (IF) (average IF/paper) 3,65
total number of citations 203
H index 8

Larocca V., Martino M., Trupo M., Magarelli R. A., Spagnoletta A., Ambrico, A. 2023. Evaluation of carbon dioxide supercritical fluid extraction (CO₂-SFE) on carotenoids recovery from red yeast cells. *Biomass Conversion and Biorefinery*, <https://doi.org/10.1007/s13399-023-04434-z>

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

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

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

Ambrico, A., Trupo, M., Magarelli, R.A. 2019. Influence of Phenotypic Dissociation in *Bacillus subtilis* Strain ET-1 on Iturin A Production. *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)

Date 01 25 2024

Signature (holographic format)

