

Elio Fantini



PERSONAL INFORMATION

📍 ENEA Italian National Agency for New Technologies, Energy and Sustainable Economic Development
 TERIN-BBC-PBE
 S.S. 106 Jonica km 419,500 75026 Rotondella (MT) Italy

☎ +39 0835974350 📠 +39 3460827516

✉ Elio.fantini@enea.it

🌐 <https://www.enea.it>

Sex male | Date of birth 25/07/1980 | 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 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

- 01/02/2019 – Current **Researcher - permanent position at ENEA Trisaia**
 ENEA CR Trisaia
 SS 106 Jonica, Km 419+500, 75026 Rotondella (MT)
<https://energia.enea.it/divisioni/bioenergia-bioraffineria-e-chimica-verde/>
 Multi-omics characterization of plant species and microbial communities for biorefinery applications.
- 06/05/2014 – 31/01/2019 **Temporary Research Associate**
 ENEA CR Trisaia
 Plant molecular biology, sequencing, and reverse genetics (Solanaceae species, Taraxacum species)
 Marine metagenomics
- 01/05/2010 – 01/11/2013 **Temporary Research Associate**
 ENEA CR Casaccia
 Plant molecular biology, sequencing, and reverse genetics (Solanaceae species, wheat)
 Metagenomics
- 11/04/2008 - 06/05/2010 **Research contract**
 Genelab s.r.l. (at ENEA Casaccia)
 EU-SOL project, functional genomics tools in tomato
- 01/05/2006 – 07/11/2007 **Research contract**
 Biogen s.r.l. (at ENEA Casaccia)
 Italian tomato genome sequencing project

EDUCATION AND TRAINING

- 09/04/2010 **Ph.D.**
Molecular, industrial, and environmental biotechnology (curriculum: plant molecular biology). University of Verona in collaboration with ENEA Casaccia. Thesis: Genetic selection for flowering time traits during speciation of tomato.
- 8/04/2006 **Laurea degree**
Agriculture sciences and technologies. University of Pisa. Thesis: Photomorphogenic mutants of tomato: molecular and productive characterization

PERSONAL SKILLS

- Mother tongue(s) Italian
- Other language(s) English
- Job-related skills Molecular biology, functional genomics, transcriptomics, metagenomics, and bioinformatics.
- Digital skills Windows, Linux, Bioinformatic software

ADDITIONAL INFORMATION

Publications total number of publications in peer-review journals 10
total number of citations 2,772
H index 8

Fantini, Elio, et al. "Bacterial metabarcoding by 16S rRNA gene ion torrent amplicon sequencing." Bacterial Pangenomics. Humana Press, New York, NY, 2015. 77-90.

- Projects**
- 2016 – 2021 - Life4MarPiccolo - A New Life for Mar Piccolo Fondo di ricerca/Grant: European Commission – LIFE programme - Executive Agency for Small and Medium-sized Enterprises (EASME) <https://ec.europa.eu/easme/en/life>
 - 2019 – 2023 - Piattaforma Integrata — Bioenergia e la Chimica Verde (PIBE) PO FESR Basilicata 2014-2020 — Azione 1°.1.5.1 "Avviso per il sostegno a progetti di rafforzamento e ampliamento delle infrastrutture di ricerca regionali riconosciute come prioritarie nel Programma Nazionale delle Infrastrutture di Ricerca (PNR)". CUP 012F18000100009.
 - 2019 – 2022 - O.R.G.OLI.O. LUCANO - Ottimizzazione della Redditività e della Gestione degli OLiveti e dei processi produttivi dell'Olio LUCANO PSR Regione Basilicata 2014 – 2020 MISURA 16 "Cooperazione" - SOTTOMISURA 16,2 - SOSTEGNO A PROGETTI PILOTA E ALLO SVILUPPO DI NUOVI PRODOTTI, PRATICHE, PROCESSI E TECNOLOGIE.
 - 2019 – 2022 - RHODOLIVE - Biovalorization of Olive Mill Wastewater (OMW) to Microbial Lipids and Other Products via Rhodotorula glutinis Fermentation Fondo di ricerca/Grant: ERA CoBioTech - ERA-Net Cofund Action - (www.cobiotech.eu).
 - 2021 – in corso - REVINE - Regenerative agricultural approaches to improve ecosystem services in Mediterranean vineyards Fondo di ricerca/Grant: PRIMA - Partnership for Research and Innovation in the Mediterranean Area - (<https://prima-med.org/>).

- 2022 – in corso - WW-Green-Fuel - 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 corso - Messa a punto di un processo termochimico per la produzione di biochar da scarti agricoli e forestali Joint Cooperation Agreement ENI S.p.A. - ENEA N - 5210001622 Progetto 2 Biomasse - Sottoprogetto 3.
- 2022 – in corso - RICERCA E SVILUPPO DI TECNOLOGIE PER LA FILIERA DELL'IDROGENO 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.