

PERSONAL INFORMATION **Elisa Clagnan**



📍 ENEA (Italian National Agency for New Technologies, Energy and Sustainable Economic Development) Casaccia Research Center - Agri-food Sustainability, Quality and Safety Lab
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✉ Elisa.Clagnan@enea.it

Sex F | Date of birth 03/10/1989 | 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

- July 2023 – Currently **Researcher (3rd Level)**
 ENEA (Italian National Agency for New Technologies, Energy and Sustainable Economic Development) Casaccia Research Center - Agri-food Sustainability, Quality and Safety Lab
 ▪ Main Projects: DELISOIL, SUS-MIRRI.IT, BIOME-NEXT (progetto PRIMA), EJP SOIL.
- Feb 2023 – June 2023 **Researcher (RTD A)**
 University of Milan – Ricicla Group (DiSAA)
 ▪ Main project: Research in the field of nutrient recovery, development of microbially activated biofertilizers and CO2 recovery within the activities of CN Agritech (PNRR)
- Oct 2020 – Jan 2023 **PostDoc Researcher (AdR B) and Cultore della materia**
 University of Milan – Ricicla Group (DiSAA)
 ▪ Main project: SAFE BIOREFINERY: Monitoring impacts of new algae-based biorefinery
- Mar 2019 - Sep 2020 **PostDoc Researcher (AdR B)**
 Free University of Bolzano/Bozen – Environmental and Agricultural Microbiology Group
 ▪ Main project: TRETILE -- A microbe-based value chain: TREATment and valorisation of texTILE wastewater

EDUCATION AND TRAINING

- AY 2013 - 2018 **PhD in Civil and Structural Engineering - Walsh fellow**
 University of Sheffield
 ▪ Nitrogen source, transformation and fate within intensive dairy systems to inform sustainable intensification
- AY 2011 - 2013 **M.Sc. in Functional Genomics**
 Università degli studi di Trieste
- AY 2008 - 2011 **B.Sc. in Biology - Curriculum: Cellular and Molecular Biology and Technology**
 Università degli studi di Trieste

PERSONAL SKILLS

Mother tongue(s)	Italian
Other language(s)	English: Fully working proficiency (C1-C2) German: Basic proficiency (B1)
Job-related skills	<ul style="list-style-type: none"> • Molecular and microbial techniques: cloning, amplifications, ligations, conjugations, DNA and RNA extraction, PCR, q-PCR, T-RFLP, ARISA, NGS and shotgun sequencing, solid and liquid cultures, strain conservation, tests for bacterial phenotypes, creation of synthetic constructs, western blots. • Isotopic techniques: collection, analysis and data analyses of N (NO₃⁻, NH₄⁺, N₂O and N₂) and H₂O naturally occurring stable isotopes ($\delta^{14}/^{15}$N, $\delta^1/2$H and $\delta^{16}/^{18}$O) in plant/grass, soil, water substrates, isotopic enrichment incubation studies. • Gaseous techniques: collection, analysis and data analyses of dissolved gases (N₂O, excess-N₂, CO₂ and CH₄) within shallow and groundwater, chamber experiments of gas (N₂O, N₂, CO₂ and CH₄) emissions. • Wet chemistry. • Microscopy techniques: FISH (familiarity with fluorescence and confocal microscopy). • Experience in experiment design, data collections and analysis, experience with fieldwork and working with different substrate materials (e.g. plant/grass, soil, water, biofilms, digestates). • Lecturer of the course: Soil-plant relationships of nutrients and pollutants in the agricultural system (AY 2022-2023, AGR/13, 3 CFU – 24 hours), University of Milan. • IFTS Lecturer: Tecniche di industrializzazione del prodotto e del processo, quality management, benessere animale e tecnologie aziendali per l'agricoltura multifunzionale (AY 2022-2023, 20 hours) Fondazione Maddalena Di Canossa, Bergamo. & Sustainable agriculture (AY 2022-2023, 20 hours) Fondazione Maddalena Di Canossa, Bergamo.
Digital skills	Software packages: DADA2, QIIME2, KRAKEN2, MG-RAST, PICRUST2, SSPS, R Software, LIMS, Strider, Peak Scanner Software 2.0

ADDITIONAL INFORMATION

Publications	Scopus ID: https://www.scopus.com/authid/detail.uri?authorId=57199173299 Google scholar: https://scholar.google.it/citations?user=xhi7Mt0AAAAJ&hl=en ORCID: https://orcid.org/0000-0003-2815-5429
Projects	<p>International papers: 19, First author: 9, Corresponding author: 5.</p> <ul style="list-style-type: none"> • Fixed-Term Researcher (RTD-A) Fellowship, 3 years (2023) - Funded by PNRR for UNIMI Main project: National Research Centre for Agricultural Technologies (AgriTech) - Spoke 8 - PNRR • Research Assistant Fellowship, 1 years (2022) - Funded by EU for UNIMI. Main projects: European Union's Horizon 2020 Research and Innovation Program. Grant Agreement N° 862849) (FERTIMANURE). • Research Assistant Fellowship, 2 years (2020) - Funded by INAIL for UNIMI. Main projects: <ul style="list-style-type: none"> • Project "Safe biorefinery: Monitoring impacts of new algae-based biorefinery", BRIC INAIL 2019 n. 53 • European Union's Horizon 2020 Research and Innovation Program. Grant Agreement No. 727874 (SABANA). • European Union's Horizon 2020 Research and Innovation Program. Grant Agreement N° 862849) (FERTIMANURE). • Research Assistant Fellowship, 1 year (2020) - Funded for UNIBZ. Main project: INSIDE • Research Assistant Fellowship, 1 year (2019) - Funded by Fondazione Cariplo for UNIBZ. Main project EU's LIFE Programme [project LIFE16ENV/IT/000345 "LIFE DeNTreat"], Fondazione Cariplo and Innovhub within the project "TRETILE" [project number 2017-1009] • Walsh Fellowship Award, 4 year PhD scholarship (2013) - Funded by TEAGASC

