

PERSONAL INFORMATION**Luciana Di Gregorio**

ENEA, Biotechnologies and Agroindustry Division
Agri-Food Sustainability, Quality and Safety Lab, Department for Sustainability
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Sex: F Date of birth: 28/05/1990 Nationality: Italian

**CURRENT POSITION**

Researcher

RESEARCH FIELD

Agro-Environmental and Food Microbiology and Biotechnology

WORK EXPERIENCE

May 2021 -Today

Research scientist - Laboratory Agri-food Sustainability, Quality and Safety Lab
ENEA Casaccia Research Centre (Rome, Italy)

The laboratory activities are focused on innovation in research, development, and transfer activities to increase competitiveness, quality, safety and sustainability of food production systems and agroforestry. Validation and application of diagnostic methods for food safety; analysis and assessment of microbiological transformations in production processes, food preservation and packaging; identification and quantification of components and quality markers to demonstrate the authenticity and origin of the agricultural food productions and to ensure their traceability.

September 2021 - September
2022**Academic tutoring in "Food Microbiology"**
University "Campus Bio-medico" (Rome); subject: Food Microbiology

October 2017 - February 2018

Fellowship (grant)
Helmholtz-Centre for Environmental Research-UFZ (Magdeburg, Germany)

July 2014 - October 2015

Fellowship
Water Research Institute of the National Research Council (IRSA - CNR) (Rome, Italy)**EDUCATION AND TRAINING**

November 2015 - January 2019

PhD in Ecology and Evolutionary Biology
University of Rome "Tor Vergata" - Water Research Institute of National Research Council (IRSA-CNR)

June 2016

Habilitation degree in Biology
University of Rome "La Sapienza" (Rome, Italy)

October 2011 - March 2014

MSc in Biology
University of Naples "Federico II" (Naples, Italy)

October 2008 - October 2011

BSc in General and Applied Biology
University of Naples "Federico II" (Naples, Italy)**PERSONAL SKILLS**

Mother tongue

Italian

Other languages

English (Level B2) - proficient in spoken and written

ADDITIONAL INFORMATION

Publications and main indexes

Total number of publications in peer-review journals: 5
H-Index: 2 (Scopus), 3 (Google Scholar)
Google Scholar Page: <https://scholar.google.it/citations?hl=it&user=T6mSbigAAAAJ>
Scopus: <https://www.scopus.com/authid/detail.uri?authorid=57195946296>
Researchgate: <https://www.researchgate.net/profile/Luciana-Di-Gregorio>
ORCID: <https://orcid.org/0000-0001-6811-992X>

Relevant publications

- Di Gregorio L, Tchuenchieu A, Poscente V, Arioli S, Del Fiore A, Costanzo M, Giorgi D, Lucretti S, Bevivino A. Synergistic Action of Mild Heat and Essential Oil Treatments on Culturability and Viability of *Escherichia coli* ATCC 25922 Tested In Vitro and in Fruit Juice. *Foods*. 2022; 11(11):1615. <https://doi.org/10.3390/foods11111615>
- Di Gregorio L, Congestri R, Tandoi V, Neu TR, Rossetti S, Di Pippo F “Biofilm diversity, structure and matrix seasonality in a full-scale cooling tower” *Biofouling* (2018) DOI:10.1080/08927014.2018.1541454
- Di Pippo F, Di Gregorio L, Congestri R, Tandoi V, Rossetti S “Biofilm growth and control in cooling water industrial systems” Minireview, *FEMS Microbiology Ecology* (2018) DOI:10.1093/femsec/fiy044
- Di Gregorio L, Tandoi V, Congestri R, Rossetti S, Di Pippo F “Unravelling The Biofilm Core Microbiome In Cooling Tower Systems”, *Biofouling* (2017); DOI: 10.1080/08927014.2017.1367386
- Di Pippo F, de Tora F, Di Gregorio L, Rossetti S, Tandoi V “Green bio-dispersant removal efficacy estimation for controlling biofilms in cooling towers”, *Annals of Microbiology* (2017); DOI 10.1007/s13213-017-1301-3

Presentations at conferences

- Di Gregorio L, Kuhlicke U, Congestri R, Tandoi V, Rossetti S, Di Pippo F, Neu TR “Biofilm control in cooling towers: the effect of biodispersants on freshwater biofilms developed in flow lanes” (2018) *Biofilms 8 Conference*, 27-29 May 2018, Aarhus, Denmark
- Di Gregorio L, Tandoi V, Congestri R, Rossetti S, Di Pippo F “Unravelling The Biofilm Core Microbiome In Cooling Tower Systems”, (2017) *Eurobiofilms*, 5th European Congress on Microbial Biofilms, 19-22 September 2017, Amsterdam, The Netherlands

Main projects with interest

- PACK-CHAIN (2021-2024), funded by MISE, application sector: “Agrifood”
- SIMBA (Sustainable innovation of microbiome applications in food system) (H2020, 20182023, GA No. 818431);
- AICS (Italian Agency for Development and cooperation)-ENEA: AGENDA 2030
- Participant Microbial Resource Research Infrastructure Italian Node (MIRRI-IT), Food microorganisms Working group

Honours and awards

- DAAD scholarship; Short-Term Grant at Helmholtz-Centre for Environmental Research UFZ in Magdeburg (Germany), Research Grant
- ESCMID (European Society of Clinical Microbiology and Infectious Diseases) Grant for the international congress “Eurobiofilms”, Amsterdam - September 2017
- Grant for “Biofilms 8” Conference in Aarhus, Denmark - May 2018

Date 04/08/2022