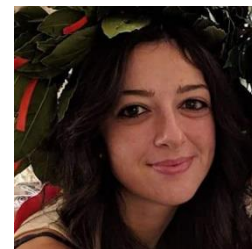


CURRICULUM VITAE



Personal information

Laura Mandrelli

Date and place of birth: 21/09/1994, Bari
Domicile: via brigata e divisione Bari, 128 – Bari (Ba)
E-mail: laura.mandrelli@unibas.it ; lauramandrelli96@gmail.com
PEC: lauramandrelli@pec.it
Tel: 331-3459843
Patente *B*
MNDLRA94P61A662N

Work experience

- from 1/03/2023 ,ongoing
Award of a scholarship as part of the **PhD** course "Cities and Landscapes: Architecture, Archaeology, Cultural Heritage, History and Resources" - academic year 2022/2023, cycle XXXVIII, at the **University of Basilicata**, Department of European and Mediterranean Cultures DICEM; prot.n.1623 of 6/02/2023
Topic: "formulation of highly efficient biofertiliser products for application in sustainable agriculture".
Working experience in **Tersan Puglia** (Modugno -BA) research and development laboratories
- from 14/04/2020 to 28/02/2023
Scholarship within the framework of the "Biomolecular investigation and characterisation of microorganisms in the field of environmental matrices and biomass of environmental interest" at the **IRSA-CNR** Water Research Institute in Bari; Call for Selection No. 126.114.BS.010/2019 BA, Prot. IRSA 0007777 of 19/12/2019, act of conferment prot. 2057
- from 01/09/2022 to 20/09/2022
Collaboration activities related to the updating of the Civil Protection, Water and Hydrogeological Risk Plan of the Municipality of Monte Sant'Angelo and populating of the SINAPSI data bank, commissioned by studio Cincavalli - De Pascali ingegneri associati with offices in Bari, at Fiera del Levante Pad. 105 - P.I. 06367600720
- from 7/02/2023 to 24/02/2023
Assignment for the drafting of the updating and adjustment of the Municipal Civil Protection Plan of the Municipality of San Giovanni Rotondo. Office: Area IV - Local Police; Executive Determination n. 164 of 07-02-23

Education and training

- Master's Degree in "Nature and Environmental Sciences; specialisation: Environmental remediation" **LM-75 (110/110 con lode)**
Date: 17/12/2019
Università degli studi di Bari Aldo Moro
from 2017 to 2019
- Degree in "Natural Sciences" **L32 (110/110 con lode)**
Date: 23/10/2017
Università degli studi di Bari Aldo Moro
from 2014 to 2017
- Classical high school diploma (92/100)
Date: 10/07/2013
Liceo classico Q. Orazio Flacco (Bari)
from 2008 to 2013

Training courses

- Participation in the Advanced Training Course in Waste, Remediation and Environmental Controls (RI.BO.CO), held at the Environmental Sciences - Quartiere Paolo VI - Taranto. Duration: from October 2018 to January 2019

- Participation in the course "Health and safety in the workplace - general training (ateco sector 2007: m 72)".
Certificate of attendance and passing the final examination issued by: CNR SPP - code: 5d91f141-83dc-4e05-93ba-3409c0a7a011, 30 September 2019
- "qPCR Basic Training". Thermofisher scientific (Dr Serena Grimaldi); *prot. n.0005677/2020 del 14-10-2020*
- Spring masterclasses- "Scientific writing in biodiversity", Webinar Marconi , CNR, 7 aprile 2022

- Publications**
- Angelantonio Calabrese, Massimo Blonda, Laura Mandrelli, Erika Loi, Emanuele Barca , Giuseppe Pappagallo, Vito Buono, Michele Toriello and Erminio Efsio Riezzo (2022). "DEMETRA-DSS: New Technologies for the Protection of Water from Nitrate Pollution of Agricultural Origin". Journal: Environmental sciences proceedings. ISSN: 2673-4931 DOI: 10.3390/environsciproc2022021046
 - Calabrese A., Mandrelli L., Blonda M. (2020). "Earlier Observation of Applicability of Biomolecular and Chemical Analysis to Soil and Shallow Groundwater in Nitrogen Biogeochemical Local Cycle Evaluation". Journal: IOSR Journal of Biotechnology and Biochemistry (IOSR-JBB). ISSN: 2455-264X. DOI: 10.9790/264X-0601015869
 - Calabrese A., Mandrelli L., Loi E., Blonda M. (2020). "Chemical and Microbiological Characterization of Soil under Different Agronomical Use and Practical: First Focus on Nitrogen Cycles". Journal: IOSR Journal of Biotechnology and Biochemistry (IOSR-JBB). ISSN: 2455-264X. DOI:10.9790/264X-0603024557
 - Calabrese A., Mandrelli L., Loi E., Blonda M. (2020). "First characterization of activated sludge bacterial bioma by biomolecular (PCR) method". Journal: IOSR Journal of Biotechnology and Biochemistry (IOSR-JBB). ISSN: 2455-264X. DOI:10.9790/264X-0606013644

- Awards**
- Certificate of merit for innovation work in water - energy - food nexus: Demetra dss: new technologies for the protection of water from nitrate pollution of agricultural origin (Angelantonio Calabrese, Massimo Blonda, Laura Mandrelli, Erika Loi, Emanuele Barca, Giuseppe Pappagallo, Vito Buono, Michele Toriello, Erminio Efsio Riezzo). Aristotle University of Thessaloniki and University of Naples Federico II Civil, Architectural and Environmental Engineering Dept. ,5th EWaS International Conference 12- 15 July, 2022 – Naples, Italy

- Conference proceedings**
- Calabrese A., Blonda M., Mandrelli L., Loi E., Barca E., Pappagallo G. "CONTAMINATION OF SOIL AND GROUNDWATER BY NITRATE: A NEW METHODOLOGIC APPROCH TO THE IDENTIFICATION OF SOURCE THROUGH BIOMOLECULAR ANALISYS". 5th EWaS International Conference 12- 15 July, 2022 – Naples, Italy
 - Calabrese A., Blonda M., Mandrelli L., Loi E. "THE EFFECT OF APPLICATION OF ACTIVATED SLUDGE DIFFUSION SYSTEM ON THE BACTERIAL COMPOSITION IN THE OXIDATION LINE OF MUNICIPAL WASTEWATER TREATMENT PLANT". 5th EWaS International Conference 12- 15 July, 2022 – Naples, Italy

- Conferences**
- Poster presentation "First observations on chemical and microbiological soil characteristics in relation to different agronomic uses and practices", 36th International Biodynamic Agriculture Conference. Firenze, dal 27 al 29 february 2020
 - Poster presentation "A new approach for microbiological characterization of activated sludge: from the sample to the biomolecular analysis", 1st DNAQUA International Conference (March 9-11, 2021), ARPHA Conference Abstracts 4: e65069 /doi: 10.3897/aca.4.e65069

- Poster presentation “CONTAMINATION OF SOIL AND GROUNDWATER BY NITRATE: A NEW METHODOLOGIC APPROCH TO THE IDENTIFICATION OF SOURCE THROUGH BIOMOLECULAR ANALISYS”. 5th EWaS International Conference 12- 15 July, 2022 – Naples, Italy
- Poster presentation “THE EFFECT OF APPLICATION OF ACTIVATED SLUDGE DIFFUSION SYSTEM ON THE BACTERIAL COMPOSITION IN THE OXIDATION LINE OF MUNICIPAL WASTEWATER TREATMENT PLANT”. 5th EWaS International Conference 12- 15 July, 2022 – Naples, Italy
- Project presentation: DEMETRA DSS .Event: “EUROPEAN RESEARCH NIGHT” 30/09/2022, Parco Rossani –Stand IRSA, Bari. *prot. n. 0009745 04/10/2*
- Oral presentation in the **5th AISSA#under40 Conference**
 ‘Agricultural Sciences in the Anthropocene: from productivity to the protection of material and cultural heritage’.
 Department of Agricultural, Food, Environmental and Forestry Sciences and Technologies (DAGRI), University of Florence. Florence 26-27 June 2024
 Oral presentation : ‘*Biofertilizers in Almond Crop*’.

Language skills

- Language: english (good knowledge)

Computer skills

- Good ability to use Windows and the entire Office package (Word, Excel, PowerPoint)
- Good skills in using web and e-mail tools
- Good knowledge of biomolecular databases: NCBI
- Knowledge of biomolecular software: PRIMERS (creation of primers for PCR)
- Knowledge of Perimsiti software: territorial information system for environmental safety

01/03/2023

FIRMA



