

## Curriculum Vitae et Studiorum

### **PERSONAL INFORMATION**

- First name: Lucio Last name: Caso
- Date of Birth: Maggio 12nd 1985
- Place of Birth: Naples Street Address: c.so Vittorio Emanuele III ,309  
80058, Torre Annunziata (NA) – Italy
- Nationality: Italian
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### **EDUCATION AND TRAINING**

- Degree in Food Technologies-L.26, at the University of Naples "Federico II" Faculty of Agriculture-located in Portici (NA).
- Diploma of Industrial Technical Expert-Informatics Abacus at the "G. Marconi" Industrial Technical Institute, located in Torre Annunziata (NA).

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### **WORK EXPERIENCE**

- From 01/06/2023 to Today Technical Collaborator for Research Institutions (CTER) VI level at the Institute of Biomolecular Chemistry (ICB) of the CNR in Pozzuoli (Na).
- From 01/01/2022 to 03/31/2023 Operational Research Technician at Italbiotec s.r.l. Piazza della Trivulziana, 4/A -220126 Milan (MI).
- From 12/16/2019 to 12/15/2021 Operational Research Technician at the Italbiotec Consortium Piazza della Trivulziana, 4/A -20126 Milan (MI).
- From 01/12/2018 to 30/11/2019 Technical support for scientific research activities at the Institute of Biomolecular Chemistry (ICB) of the CNR of Pozzuoli (Na) with the Technical Assistance task for the maintenance of cultures of marine microorganisms, in the culture chambers and bioreactors within the research project funded by the European Union "Biological routes for CO2 conversion into chemical building blocks-BioRECO2VER, Grant Agreement n.760431 ”.
- From 01/12/2017 to 30/11/2018 Technical support for scientific research activities at the Institute of Biomolecular Chemistry (ICB) of the CNR of Pozzuoli (Naples) with the task of Technical assistance for the maintenance of cultures of marine organisms, culture chambers and bioreactors within the FONTANA Project / BIO-ORGANIC CHEMISTRY - “Biological procedures for the conversion of carbon dioxide into chemical building blocks”.
- From 10/04/2017 to 09/10/2017 Technical support for scientific research activities at the Institute of Biomolecular Chemistry (ICB) of the CNR of Pozzuoli (Na) with the task of Technical assistance for the maintenance of marine microalgae cultures and of the culture chambers and photobioreactors within the Project PON 01\_02740 SIBAFEQ "Integrated exploitation of algal biomass in a quality energy supply chain”.
- From 11/01/2016 to 10/01/2017 Technical support for scientific research activities at the Institute of Biomolecular Chemistry (ICB) of the CNR of Pozzuoli (Na) with the task of maintenance of marine microalgae cultures and massive growth on photobioreactors; chemical and biochemical analyzes for the characterization of microalgal biomass” within the Project PON 01\_02740 SIBAFEQ “Integrated exploitation of algal biomass in a quality energy supply chain”.
- From 06/05/2015 to 09/04/2015 Technical support for scientific research activities at the Institute of Biomolecular Chemistry (ICB) of the CNR in Pozzuoli (Na) with the task of research support activity for the preparation and fractionation of extracts of marine organisms within the research project PON01\_01966 ENERBIOCHEM" - Identification of new natural compounds for food applications from marine microalgae.
- From 01/12/2014 to 30/05/2015 Training Internship at the Institute of Biomolecular Chemistry (ICB) of the CNR in Pozzuoli (Na) with the task of growth and collection of algal biomass for bioenergetic studies; biochemical analyses. Preparation of culture media; collection of the biomasses produced, extractions, chemical analyses, chromatographic techniques, spectrophotometric assays, dosage of proteins and carbohydrates. Use of the main scientific instruments and/or equipment located in the various laboratories of the ICB-CNR institute.

## TRAINING CERTIFICATES

- 10/07/2023 Training course for workers of the CNR Institutes on risks from exposure to chemical agents, carcinogenic, mutagenic and biological (specific training).
- 30/06/2023 Training course on problems concerning health and safety in the workplace for CNR workers (specific training).
- 04/17/2019 Training on mass spectrometer and gas chromatograph and related xcalibur software, duration of the course 3 days, location of ICB-CNR laboratories Pozzuoli (NA), provider "Chromservice s.r.l.".
- 15/11/2019 Training and information course for workers - low risk. CNR provider of the Prevention and Protection service.
- 15/09/2018 Multimedia training course on occupational safety - Biological Agents. CNR provider of the Prevention and Protection service.
- 21/03/2018 Use and Handling of technical, pure and cryogenic gases and related containers and systems distribution in gaseous and cryogenic form; cryobanks and cryogenic safety systems. provider CNR and SOL group
- 05/04/2017 Training course in radiation protection. CNR provider of the Prevention and Protection service.
- 28/04/2015 Multimedia training course on occupational safety - Chemical Agents and Carcinogens. CNR provider of the Prevention and Protection service.
- 03/10/2014 EIPASS IT Certification informatics

## RELEVANT SCIENTIFIC TECHNIQUES AND SKILLS ACQUIRED

- culture techniques for thermophilic bacteria;
- culture techniques for marine microorganisms (microalgae);
- Ceppoteca management;
- techniques of preparation and fractionation of extracts of natural organisms (H-RX);
- Expertise in the use of automatic instrumentation (Gilson SPE) for the fractionation of extracts of marine organisms;
- TLC (Thin Layer Chromatography) chromatographic techniques;
- Use and Management of nuclear magnetic resonance instrumentation – (NMR);
- Use and Management of gas-mass instrumentation (GC-MS);
- Use and Management of gas chromatographs (GC);
- Use and Management of instrumentation (CHNS) for elemental analysis;
- Use and Management of liquid chromatography instrumentation (HPLC);
- Use and management of mass spectrometry (LC-MS) and (Q-Exactiv) quadrupole orbitrap hybrid instrumentation.