

GAIA SALVATORI

ITALIANA

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WORK EXPERIENCE

November 2020 - present

Ph.D. fellowship in industrial and environmental chemical processes at the University of Rome “La Sapienza”.

October 2019-2020

Pre-MSc internship at laboratories of Prof. Majone and Prof. Palocci at the Department of Chemistry Sapienza University

October 2017-2018

Pre-BSc internship at laboratory of Prof. Majone at the Department of Chemistry Sapienza University

EDUCATION AND TRAINING

20 October 2020

M.Sc. in Industrial Chemistry [LM - Ordin. 2019] (classe LM-71) Science and Technologies for the Industrial chemistry. Sapienza University - with the maximum grade of 110 cum laude

Thesis: *Polyhydroxyalkanoates from mixed microbial cultures: production, extraction and characterization*

Supervisor: Prof. Mauro Maione

22 October 2018

B.Sc in Science and Technologies for the Industrial chemistry. Sapienza University

Thesis: *Extraction and characterization of Polyhydroxyalkanoates produced in pilot scale by mixed microbial culture*

Supervisor: Prof. Mauro Majone

8 June 2017

Chemical risk certificate obtained from Department of Chemistry, course holded by Prof. Bacaloni

**TECHNICAL SKILLS
AND COMPETENCES**

Laboratory activities:

Production, selection and characterization of polyhydroxyalkanoates from mixed microbial: extraction by halogenated solvents, oxidative treatments and supercritical fluids.

Management of continuous reactor for the selection of PHA-producing microorganisms by PFR-CSTR (Plug flow reactor- Continuously stirred tank reactor)

Management, maintenance and analysis of instruments:

Gas Chromatography System Perkin-Elmer 8410-FID;

Master GC fast gas chromatography FID;

GC 8866 Agilent Gas Chromatography System;

UV-1800 Shimadzu spectrometer;

Dionex ICS-1000 Ion Chromatography System;

Carlo Erba SFC 3000 equipment;

Thermogravimetric Analysis Mettler TG50;

Differential Calorimetry Scan Mettler Toledo DSC 822e;

Visco system SCHOTT AVS 350;

Computer softwares: Microsoft Office™ tools, Microsoft Windows, SigmaPlot and KaleidaGraph.

MOTHER TONGUE

Italian

OTHER LANGUAGES

English B2 level

Autorizzo il trattamento dei miei dati personali ai sensi del D.Lgs. 30/06/2003, n.196 “codice in materia di protezione dei dati personali”