

Jacopo Ferretti

- **EDUCATION AND TRAINING**

10/2016 – 25/10/2019 – Via san Camillo de Lellis, Viterbo, Italy

BACHELOR'S DEGREE IN BIOTECHNOLOGY – Università degli Studi della Tuscia

Thesis: experimental thesis "bioremediation of hydrocarbons from groundwater: feasibility study" 104/110 EQF level 6 ECTS 180 <http://www.unitus.it/en/unitus>

10/2019 – 10/2021 – Piazzale Aldo Moro, 5, Roma, Italy

MASTER'S DEGREE IN GENOMIC, INDUSTRIAL AND ENVIRONMENTAL BIOTECHNOLOGIES – Università degli Studi di Roma "La Sapienza"

Thesis: Development of a bioelectrochemical process for the bioconversion of CO₂ to acetate 110 cum laude EQF level 7 ECTS 120 <https://www.uniroma1.it/en>

01/11/2021 – 01/12/2023 piazzale aldo moro 5,Rome (Italy)

PHD IN INDUSTRIAL AND ENVIRONMENTAL CHEMICAL PROCESSES (CHEMICAL ENGINEERING) – Sapienza university of Rome

- **DIGITAL SKILLS**

Microsoft Office Microsoft windows Chimera molecular modelling software PyMOL molecular visualization software NBCI database

- **PUBLICATIONS**

Autotrophic acetate production under hydrogenophilic and bioelectrochemical conditions with a thermally treated mixed culture / Cristiani, Lorenzo; Ferretti, Jacopo; Majone, Mauro; Villano, Marianna; Zeppilli, Marco. - In: MEMBRANES. - ISSN 2077-0375. - 12:2(2022). [10.3390/membranes12020126]

lectron recycle concept in a microbial electrolysis cell for biogas upgrading / Cristiani, Lorenzo; Ferretti, Jacopo; Zeppilli, Marco. - In: CHEMICAL ENGINEERING & TECHNOLOGY. - ISSN 1521-4125. - 45:2(2022), pp. 365-371. [10.1002/ceat.202100534]

Hydrogenophilic and bioelectrochemical production of acetate with a pure culture of *Acetobacterium woodii* Ferretti, Jacopo; Zeppilli, Marco; Cristiani, Lorenzo; Villano, Marianna; Majone, Mauro - In: CHEMICAL ENGINEERING TRANSACTIONS.

Acetogenic inoculum selection for acetate production from waste biomasses via thermal shock treatment, Zeppilli, Marco; Cristiani, Lorenzo; Ferretti, Jacopo; Majone, Mauro; Villano, Marianna - In: CHEMICAL ENGINEERING TRANSACTIONS.

- **CONFERENCES AND SEMINARS**

05/06/2022 – 08/06/2022 – Napoli, Italy

IBIC 2022 7th INTERNATIONAL CONFERENCE ON INDUSTRIAL BIOTECHNOLOGY

Hydrogenophilic and bioelectrochemical production of acetate with a pure culture of *Acetobacterium woodii* Jacopo Ferretti, Marco zeppilli, Lorenzo Cristiani, Mauro Majone, Marianna Villano

20/06/2022 – 23/06/2022 – Department of Chemistry of the University of Rome La Sapienza

International conference SYNC First Symposium for YouNg Chemists: Innovation and Sustainability

Selection of acetogenic inocula from mixed sludges for autotrophic acetate continuous production Jacopo Ferretti, Riccardo Minardi, Lorenzo cristiani, Mauro Majone, Marianna Villano, Marco Zeppilli

03/07/2022 – 09/07/2022 – Ischia

National conference GRICU 2022 and GRICU PhD School 2022

A new methodology for the selection of a methanogen-free acetogen inoculum from mixed sludge Jacopo Ferretti, Marianna Villano, Mauro Majone, Marco Zeppilli

30/07/2022

F.to Jacopo Ferretti