



Alessandra Scotti

PhD student

CONTACT

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📍 Fiano Romano (RM), 00065



EXPERIENCE

- **PhD student** **2025-actually**
Laboratorio di Bioprocessi Microbici del CNR IRSA (Montelibretti)
Research: Development of bioelectrochemical processes for the treatment and valorization of organic wastes
- **Degree Thesis Internship** **2025**
Laboratorio di Bioprocessi Microbici del CNR IRSA (Montelibretti)
Participation in the PRIN 2022 (Codice 2022JCWSBJ) dal titolo "Anaerobic sludge methanation yield improvement by bioelectrochemical/electrically conductive" (Acronimo: AD-MethEnhance - CUP: B53D23006060006).
- **PUBLICATIONS** **2025**
Poster
C. Cruz Viggi, A. Scotti, M. Resitano, M. Tucci, A. G. Capodaglio, A. Callegari, F. Aulenta. Enhancing anaerobic sludge digestion with electrically conductive materials in bioelectrochemical systems. Bioremediation Conference (EBC), Chania (GR), 15-19 June 2025.



EDUCATION

- **PhD** **2025-actually**
PhD student in Chemical processes for Industry and Environment at Sapienza, University of Rome
- **Master's Degree in Industrial Chemistry (ARES)** **AA 2023/2024-AA 2024/2025**
Sapienza, University of Rome
Grade: 107/110
Thesis: "Impact of conductive nanoparticles and bioelectrochemical stimulation on the anaerobic digestion of organic waste matrices"
Advisors: Carolina Cruz Viggi, Marianna Villano, Giulia Simonetti
- **Bachelor's Degree in Chemistry** **AA 2019/2020-AA 2021/2022**
Sapienza, University of Rome
Grade: 95/110
Thesis: "Presence of melatonin in food: methods of extraction and analysis"
Advisors: Giulia Simonetti, Francesca Buiarelli
- **High School Diploma (Scientific)** **AS 2014/2015-AS 2018/2019**
IIS Tommaso Salvini (liceo M. Azzarita), Roma
Grade: 91/100



SCHOLARSHIPS & COLLABORATIONS

- Student Collaboration Scholarship **2024**
Assigned to the "Giordano Giacomello" Library
Sapienza, University of Rome
- Borsa di collaborazione studenti **2021**
Assigned to the "Gabriello Illuminati" Library
Sapienza, University of Rome



SKILLS

Languages

- Italian: Native
- English: B2 Level

- **Excel:** data processing and analysis, formulas, functions, and charting.
- **Word:** document drafting, editing, and advanced formatting.
- **PowerPoint:** creation of clear and effective presentations.