



## PUBLICATIONS

**Evaluation of a bioelectrochemical reductive/oxidative sequential process for chlorinated aliphatic hydrocarbons (CAHs) removal from a real contaminated groundwater** Dell'Armi, Edoardo; Zeppilli, Marco; Di Franca, Maria Letizia; Maturro, Bruna; Feigl, Viktória; Molnár, Mónika; Berkl, Zsófia; Németh, Imre; Yaqoubi, Hafsa ;Rossetti, Simona; Papini, Marco Petrangeli; Majone, Mauro

**2022**

Journal of Water Process Engineering

**Microbiome Composition and Dynamics of a Reductive/Oxidative Bioelectrochemical System for Perchloroethylene Removal: Effect of the Feeding Composition** Di Franca, Maria L.; Maturro, Bruna; Crognale, Simona; Zeppilli, Marco; Dell'Armi, Edoardo; Majone, Mauro; Petrangeli Papini, Marco; Rossetti, Simona

**2022**

Frontiers In Microbiology

**Evaluation of the Bioelectrochemical Approach and Different Electron Donors for Biological Trichloroethylene Reductive Dechlorination** DELL'ARMI, EDOARDO; ROSSI, MARTA MARIA; TAVERNA, LUCIA; PETRANGELI PAPINI, MARCO; ZEPELLI, MARCO

**2022**

Toxics

**Bioelectrochemical Chlorinated Aliphatic Hydrocarbons Reduction in Synthetic and Real Contaminated Groundwaters** Dell'Armi, Edoardo; Rossi, Marta Maria; Zeppilli, Marco; Majone, Mauro; Papini, Marco Petrangeli

**2022**

Chemical Engineering Transactions

**quential reductive/oxidative bioelectrochemical process for groundwater perchloroethylene removal** Zeppilli, Marco; Dell'Armi, Edoardo ; Papini, Marco Petrangeli; Majone, Mauro

**2021**

Chemical Engineering Transactions

**Control of Sulfate and Nitrate Reduction by Setting Hydraulic Retention Time and Applied Potential on a Membraneless Microbial Electrolisys Cell for Perchloroethylene Removal** DELL'ARMI, EDOARDO; ZEPELLI, MARCO; DE SANTIS, FEDERICA; MAJONE, MAURO; PETRANGELI PAPINI, MARCO

**2021**

ACS Omega

**Effects of the feeding solution composition on a reductive/oxidative sequential bioelectrochemical process for perchloroethylene removal** DELL'ARMI, EDOARDO; ZEPELLI, MARCO; PETRANGELI PAPINI, MARCO; MAJONE, MAURO

**2021**

Processes

**Reductive/oxidative sequential bioelectrochemical process for Perchloroethylene (PCE) removal: effect of the applied reductive potential and microbial community characterization** ZEPELLI, MARCO; DELL'ARMI, EDOARDO; CRISTIANI, LORENZO; PETRANGELI PAPINI, MARCO; MAJONE, MAURO

**2020**

Journal of Enviromental Chemical Engineering

● Reductive/oxidative sequential bioelectrochemical process for perchloroethylene removal ZEPILLI, MARCO; DELL'ARMI, EDOARDO; CRISTIANI, LORENZO; PETRANGELI PAPINI, MARCO; MAJONE, MAURO

2019

Water

● Combined Strategies to prompt the biological reduction of chlorinated aliphatic hydrocarbons: New sustainable options for bioremediation applications ROSSI, MARTA MARIA; DELL'ARMI, EDOARDO; LORINI, LAURA; AMANAT, NEDA; ZEPILLI, MARCO; VILLANO, MARIANNA; PETRANGELI PAPINI, MARCO

2021

Bioengineering

● Bioelectromethanogenesis reaction in a tubular Microbial Electrolysis Cell (MEC) for biogas upgrading ZEPILLI, MARCO; CRISTIANI, LORENZO; DELL'ARMI, EDOARDO; MAJONE, MAURO

2020

Renewable Energy

● Potentiostatic vs galvanostatic operation of a Microbial Electrolysis Cell for ammonium recovery and biogas upgrading ZEPILLI, MARCO; CRISTIANI, LORENZO; DELL'ARMI, EDOARDO; VILLANO, MARIANNA

2021

Biochemical Engineering Journal

● Studio di un processo bioelettrochimico sequenziale riduttivo/ossidativo per il trattamento di acque contaminate da percloroetilene (PCE): effetto sul sistema del potenziale applicato e della soluzione di alimentazione (Abstract in atti di convegno) DELL'ARMI, EDOARDO; ZEPILLI, MARCO; ROSSI, MARTA MARIA; MAJONE, MAURO; PETRANGELI PAPINI, MARCO

2021

● Immobilizzazione di Tricloroetilene (TCE) su Biochar (BC) a sostegno della Declorazione Biologica Riduttiva (BRD) (Abstract in atti di convegno) ROSSI, MARTA MARIA; AMANAT, NEDA; DELL'ARMI, EDOARDO; PETRANGELI PAPINI, MARCO

2020

## CONFERENCES AND SEMINARS

● [22/05/2022 – 26/05/2022](#) > – Palm Springs - California (USA)

● Twelfth International Conference on Remediation of Chlorinated and Recalcitrant Compounds - Battelle

*Oral Presentation*

● [19/09/2022 – 23/09/2022](#) > – Chania - Crete (Greece)

● ISMET8 - International Society for Microbial Electrochemistry and Technology - GLOBAL CONFERENCE

*Poster Presentation*

● [12/06/2022 – 17/06/2022](#) > – Chania - Crete (Greece)

● Eighth European Bioremediation Conference

*Oral Presentation*

● [23/05/2021 – 26/05/2021](#) > – Naples - Italy

● Fifteenth International Conference on Chemical and Process Engineering

*Oral Presentation*

27/09/2021 – 30/09/2021 > – Rome - Italy

**Third International Conference on Anaerobic Biological Dehalogenation**

*Oral Presentation*

08/09/2021 – 11/09/2021 > – Muttenz - Switzerland

**Eleventh International Conference on Environmental Engineering and Management**

*Oral Presentation*

13/09/2021 – 15/09/2021 > – Girona - Spain

**Fifth European Meeting of the International Society for Microbial Electrochemistry and Technology**

*Oral Presentation*

28/10/2020 – 30/10/2020 > – Iasi - Romania

**Fifth International Conference on Chemical Engineering**

*Flash Poster Presentation*

## HONOURS AND AWARDS

**24/09/2020**

**RemTech Master Degree Award** – ASSORECA Associazione Ambiente , Energia, Sicurezza. Responsabilità Sociale

**09/01/2016**

**Scholarship holder at the Qualitative Analytical Chemistry laboratory** – "La Sapienza" University of Rome

*Assistance during the carrying out of laboratory activities and preparation of exercises for laboratory for students; Teamwork; Laboratory and instrumentation maintenance.*

**09/01/2018**

**Scholarship Holder at the Quantative Analytical Chemistry laboratory** – "La Sapienza" University of Rome

*Assistance during the carrying out of laboratory activities and preparation of exercises for laboratory for students; Teamwork; Laboratory and instrumentation maintenance.*

**31/10/2020**

**Scholarship for Partner Mentorship Programm** – "La Sapienza" University of Rome

*Tutoring activities for Chemistry department students*

**14/09/2020**

**University funding for scientific research** – "La Sapienza" University of Rome

*Sapienza promotes support for reasearch initiation projects for young researcher and research projects of significant scientific and technological interest*

**14/09/2021**

**University funding for scientific reasearch** – "La Sapienza" University of Rome

*Sapienza promotes support for reasearch initiation projects for young researcher and research projects of significant scientific and technological interest*