Posiedzenie Naukowe
Instytutu Nauk Geologicznych

Wykład otwarty
organizowany w ramach
Programu IDUB

Bioleaching and biorecovery of critical/base elements from solid waste streams

Prof. Eric van Hullebusch

Université Paris Cité
Institut de Physique du Globe de Paris

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sala 220
Instytut Nauk Geologicznych UWr
ul. Maksa Borna 9, Wrocław

online w Teams

Join us

Organizatorzy:

Instytut Nauk Geologicznych UWr
Uniwersytet Wrocławski - Inicjatywa Doskonałości Uczelnia Badawcza
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Bioleaching and biorecovery of critical/base elements from solid waste streams

Unlock the Future of Sustainable Resource Recovery!
Join us for an enlightening lecture on "*Bioleaching and Biorecovery of Critical/Base Elements from Solid Waste Streams.*"

Discover:
Innovative techniques using microbes to extract valuable metals from waste.
Sustainable solutions for critical resource recovery.
Real-world applications in mining, e-waste management, and beyond.

Why to attend?
Learn cutting-edge methods to use waste as resource.
Explore eco-friendly alternatives to traditional extraction processes.
Stay ahead in the field of environmental science and resource management.

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Biography

Prof. Eric van Hullebusch

Professor van Hullebusch's academic record has spanned numerous research institutions, including: Université de Limoges (2002, PhD in Aquatic Chemistry and Microbiology), Wageningen University & Research (2002-2004, Marie Curie Postdoctoral Fellow), Université Paris-Est (2005-2015, Associate Professor in Biogeochemistry of Engineered Ecosystems), IHE Delft (2016-2018, Chair Professor in Environmental Science and Technology and Head of the Pollution Prevention and Resource Recovery Chair Group), and Institut de Physique du Globe de Paris (2018–present, Professor in Biogeochemistry of Engineered Ecosystems). His research experitise includes: investigation of the role of microbial organisms on the weathering of materials (concrete sewer pipe, basaltic glass) and bioleaching of hazardous solid wastes (coal fly ashes, metallurgical waste or electronic waste) for base, precious and critical elements recovery, study of metals (e.g. Cd, Pb, Zn, Ni, Co, Cr) and metalloids (Se, Te) biogeochemistry in engineered ecosystems (e.g. bioreactors) mainly dedicated to wastewater treatment for pollution control and resource recovery, contaminated sites and soils (bio)remediation (organic contaminants removal by soil washing and treatment of soil washing solution by implementing chemical and biological processes. He was a leader of numerous international projects.

He has 353 indexed publication, 17669 citations (SCOPUS, H=68).