



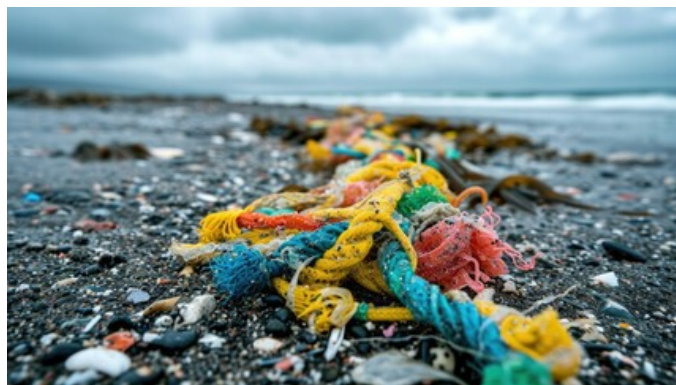
Upcycling of Halo-organic Compounds and Materials



1st HALOCYCLES Symposium

11. - 12. April 2024 in Mainz on JGU Campus

Several green methods have recently shown that halo-organic compounds can be dehalogenated or degraded to recover the halogen equivalents and the carbon skeleton. This is of interest for all halo-derivatives; for recovery of limited amounts, bromine and iodine compounds can circumvent the persistence of chloro and fluoro species. In particular, electrochemical conversion is a promising approach to upcycle polychlorinated waste from prior insecticide production. Specifically, the HCH from lindane production represents an urgent challenge, with deposits of > 4 Mio. tonnes in the EU alone. Based on pioneering progress, there are viable solutions to solve these issues in an economically and ecologically attractive way.



April 11th: On this day the HCH topic is in the focus. The status in electro-conversion and bio-transformation will be outlined as potential approaches for remediation of HCH and contaminated soils. Since the challenge has a European dimension, we invite all stakeholders to participate and interact. The goal could be a joint EU funded proposal in near future to offer viable solutions for these environmental issues. Note that it is not the aim to assign blame to industries. Instead, we actively welcome stakeholders to jointly and constructively tackle these issues. Consequently, representatives of the International HCH & Pesticides Association and other political stakeholders are invited for discussion and contributions.

April 12th: This day will focus on the chemical science and approaches to address the broader HALOCYCLES topics, including treatment of PVC, upcycling of iodo waste and others. Prof. Bill Morandi has confirmed his participation as an invited speaker.



Participation is free, but registration mandatory on <https://halocycles.uni-mainz.de/>