

# 1<sup>st</sup> Halocycles Symposium Programme

Thursday 11.4.2024

8:30 – 9:00	<b>Registration</b>
9:00 – 9:10	Welcome <i>(Prof. Dr. C. Streb)</i>
9:10 – 9:15	Welcome Carl Zeiss Stiftung <i>(Dr. K. Hillerich)</i>
9:15 – 9:30	Introduction to Halocycles <i>(Prof. Dr. S. Waldvogel)</i>
9:30 – 10:00	Insight of the global/EU Legacy of Lindane and Overview of several larger HCH-waste sites <i>(J. Vijgen)</i>
10:00 – 10:20	GEF project in North Macedonia- Removal of Technical and Economic Barriers to Initiating the Clean-up Activities for Alpha-HCH, Beta-HCH and Lindane Contaminated Sites at OHIS <i>(S. Andonova)</i>
10:20 – 10:40	HCH pollution in Aragon: situation and remediation strategies <i>(E. Cano) online</i>
10:40 – 11:00	The problem of hazardous waste accumulated in the Wąwolnica stream valley in Jaworzno <i>(P. Slaby) online</i>
11:00 – 11:30	<b>Coffee Break</b>
11:30 – 11:50	Thermodynamic Modelling of Poorly Specified Mixtures <i>(Dr.-Ing. T. Specht)</i>
11:50 – 12:10	Cycling of halogenated polymers for high- performance applications <i>(Dr. B. Güttler)</i>
12:10 – 12:30	Electrochemical Upcycling of Lindane waste (HCH) <i>(Prof. Dr. S. Waldvogel, S. Horsinka)</i>
12:30 – 14:00	<b>Lunch</b>

14:00 – 14:30	From Laboratory Results to Pilot Plant Operation ( <i>Dr. B. Wittgens</i> )
14:30 – 14:50	Upcycling of Iodo compounds by Electrochemical Periodate Generation ( <i>Prof. Dr. S. Waldvogel</i> )
14:50 – 15:20	Recent Adventures in Catalysis and Beyond ( <i>Prof. Dr. B. Morandi</i> )
15:20 – 16:00	<b>Coffee Break</b>
16:00 – 17:30	Break-Out-Sessions for EU proposal
17:30	<b>Barbecue</b>

## **Friday 12.4.2024**

9:00 – 9:20	Characterization methods for structurally modified and degraded polymers ( <i>Dr. M. Klapper, E. Edel, Prof. Dr. T. Weil</i> )
9:20 – 9:40	Toxicological evaluation of electrolysis products ( <i>Prof. Dr. E. Richling, Dr. S. Stegmüller</i> )
9:40 – 10:00	From the electrochemical conversion of halogenated organic compounds into safe halogen storage materials to photoelectrochemical defluorination reactions ( <i>Prof. Dr. G. Manolikakes</i> )
10:00 – 10:20	Electrochemical Dechlorination and Upcycling of Polyvinylchloride (PVC) ( <i>S. Becker</i> )
10:20 – 10:40	Rational design of three-dimensional composite electrodes for selective electro-dehalogenation ( <i>Dr. D. Gao</i> )
10:40 – 11:10	<b>Coffee Break</b>
11:10 – 11:30	Design of single-atom and single-site catalysts for electrochemical dehalogenation reactions ( <i>Prof. Dr. C. Streb</i> )
11:30 – 11:45	Closing ( <i>Prof. Dr. C. Streb</i> )
11:45	<b>Farewell and sandwiches</b>