

Overview on the Lecture Series

“Bioresource Management”

Ina Körner

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Section I: <https://www.hoou.de/projects/lff/pages/residue-and-by-product-based-bioresources>

Section II: <https://www.hoou.de/projects/lff/pages/sustainable-urban-bioresource-management>

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Short Title	Full Title / DOI	Authors	Section Status
Part 1: Introductory Lectures on Bioresources			
Biorefinery Overview	The Bio-Based Economy and Their Tools and Products: A Short Overview	Ina Körner	Under development
Bioresource Categories	Bioresource Categories: Primary, Secondary, Tertiary and Quaternary Bioresources DOI: 10.15480/882.2130	Ina Körner	Residue and by-Product Based Bioresources Upload August 2021
Bioresource Composition	The Composition of Bioresources: Compounds, Quantities, Interactions, Analytics	Ina Körner	Under development
Biowaste Collection	Biowaste Collection: Current and Future Approaches for Biowaste Collection from Households DOI: 10.15480/882.3882	Steffen Walk, Ina Körner	Sustainable Urban Bioresource Management Upload December 2021
Part 2: Main Lectures on Bioprocesses and Bioresource Chains			
Rural Residues	Rural Bioresource Management Today – the Agricultural Residue Sector	Ina Körner	Under development
Wood Pathways	Wood Pathways: From Sustainable Forests to Sustainable Products DOI: 10.15480/882.2128	Ina Körner, Phillipp Lüssenhop	Residue and by-Product Based Bioresources Upload August 2021
Urban Residues	Bioresource Management Today – the Municipal Solid Waste and Wastewater Sector	Ina Körner	Under development
Regional Management	Bioresource Management in Different Regions	Ina Körner	Under development
Geographic Information Systems	The Use of Geographic Information Systems (GIS) for Bioresource Management and Biorefinery Planning DOI: 10.15480/882.3883	Phillipp Lüssenhop, Ina Körner	Sustainable Urban Bioresource Management Upload December 2021

Short Title	Full Title / DOI	Authors	Section Status
Biogas and Compost	The Generation and Application of Biogas, Digestates and Compost	Ina Körner	Under development
Paper Chain Residues	Generation, Treatment and Utilisation of Deinking Sludges from Wastepaper Industry	Ina Körner, Moses Ogun	Under development
Grass Residue Chains	Urban and Rural Grass Cuttings – Types, Pathways and Products	Ina Körner, Saskia Hertel	Under development
Food Chains	The Food Chain from Agriculture over Consumers to Residue Whereabouts	Ina Körner	Under development
Bio-Based Plastic Chains	The Production of Bio-based Plastics under Special Consideration of the Residue Sector	Ina Körner, Stefan Deegener	Under development
Part 3: Case Study Lectures on Interdisciplinary Projects			
Territorial Biorefinery Networks	The Territorial Biorefinery as Regional Networking Approach – Basics and Initial Realisation Steps	Ina Körner	Under development
Innovative Region Flintenbreite	Innovative Approaches for Wastewater and Biowaste Management in the German Neighbourhood Lübeck-Flintenbreite DOI: 10.15480/882.3884	Stefan Deegener, Ina Körner	Sustainable Urban Bioresource Management Upload December 2021
Innovative Region – Hamburg-Jenfelder Au	Biogas from Blackwater and Scenarios for Co-fermentation with Lawn Cuttings, Greasy Residues and Other Biowastes in the Jenfelder Au Site	Ina Körner, Saskia Hertel	Under development
Territorial Biowaste Management	Local Food Waste Valorisation DOI: 1015480/882.2118	Steffen Walk, Ina Körner	Residue and by-Product Based Bioresources Upload August 2021

Part 4: Lectures on Support of Sustainability by Bioresource Uses

Sustainability in Agriculture	Sustainability in Agriculture: Nitrogen as Valuable and Pollutant DOI: https://doi.org/10.15480/882.3285	Ina Körner	Residue and by-Product Based Bioresources Upload August 2021
Sustainable Cities	Sustainable Cities: Assessing and Improving Pathways of Communal Human Excreta DOI: 10.15480/882.3885	Ina Körner	Sustainable Urban Bioresource Management Upload December 2021
Sustainable plastics	Compostable, bio-based waste collection bags: possibilities and limits	Ina Körner, Stefan Deegener	Under development