

Posters Overview

Research Focus Area	Poster title	Autor	Academic Setup
Sustainability Research	The Future of Process Plants: Digitalization & Data Management	Jan Wiggeshoff	
Sustainability Research	DigSC Ethernet Advanced Physical Layer (APL)	Akshita Jain, Jan Wiggeshoff	
Sustainability Research	Absorption of Polar Pesticides to Soil Reactive Surfaces	Bram Geysels	PhD
Sustainability Research	Towards an Improved Fate Assessment of Microplastics: Inclusion of Specific Analysis and Abiotic Degradation in Regulatory Tests	Eva-Maria Teggers	PhD
Sustainability Research	Material Flow Identification for Integrating Agricultural-Based Chemicals with Bioeconomic Considerations	Philipp Bertelsmann	MSc
Sustainability Research	Projektvorhaben: Sichere und Regenerative Energieversorgung der Zukunft (SURE)	Roman Heumann, Maja Diebig-Lorenz	
Sustainability Research	Thermal Energy Supply of the Future in Chemical Multi-Purpose Plants	Jan Tum	MSc
Sustainability Research	Landscaping: Degradation of per- and polyfluoroalkyl substances (PFAS)	Timo Koenigsmann	
Sustainability Research	Landscaping: Energy Recovery from Process Waste Water	Timo Koenigsmann	
Smart Automation	Repalletize-X - Utilizing smart robots for incoming goods inspection and repalletizing	Alihan Keleser	MSc
Smart Automation	Entwicklung und Implementierung eines Objekt Detektion Algorithmus für einen Labor Assistenzroboter	Simon Kreft	MSc
Smart Automation	Utilization of Modern Robotics in the Lab: Smart Handling and Inspection of Pharmaceutical Products	Lennard Schmidt	MSc
Formulation Technology	 Modeling non-Newtonian Polymer Flow Behavior in Pharmaceutical Twin-Screw Extrusion Processes	Vincent Kimmel	PhD
Formulation Technology	 Distributive Mixing Characteristics of Screw Elements for Modeling Pharmaceutical Twin-Screw Extrusion Processes	Vincent Kimmel	PhD
Formulation Technology	 Amino Acid-derivatized Amphiphiles for Antibody Stabilization	Johannes Reiss	PhD
Formulation Technology	 Controlling quality and kinetics of ASD drying processes	Jana Kerkhoff	PhD
Formulation Technology	 Dynamics of dissolution using different sampling methods during biomimetic dissolution testing of enabling formulations of Emodepside	Jakob Lynnerup	PhD
Formulation Technology	 Impact of Vibrating Mesh Nebulization on the Physicochemical Properties of mRNA and siRNA LNP Formulations	Katrin Wiebe	PhD
Formulation Technology	 Impact of Vibrating Mesh Nebulization on the Physicochemical Properties & Biological Activity of mRNA and siRNA LNP Formulations	Katrin Wiebe	PhD
Formulation Technology	 Evaluation of mannitol/sodium starch glycolate based inks for semi-solid extrusion of tablets	Christopher Mentrup	PhD
Formulation Technology	 Experimental method development for parameter estimation of particle drying kinetics in fluidized bed	Leander Mehliis	PhD