

Programme of Colloquium of Young Researchers

9 – 10 June 2022

Day 1, 9 June 2022				
No.	Time	Name	University	Topic
I	Geo and Mining			
1	9:00 – 9:30	Janith Abeywickrama	TUBAF	Responsible utilization of mine waters in the circular economy- An ion exchanged-based metal recovery technique for complex mine water matrices
2	9:30 – 10:00	Mwamkuu Julie Chari	TTU	Challenges faced by SMEs in mining industry in adopting successful sustainable business models
3	10:00 – 10:30	Martin K. Mensah	TU BAF	The distribution of potentially toxic elements in three different gold mine spoil types and their health risk indices to humans
	10:30 – 10:45	Coffee Break		
4	10:45 – 11:15	Tanui Allan Kipkoech	TTU	Numerical Modelling for Well logging for Oil and Gas Application
5	11:15 – 11:45	Valentina Dietrich	MUL	Towards an analytical proof of origin for natural graphite deposits
6	11:45 – 12:15	Waema Stephen Mutima	TTU	Effective Governance Framework for Sustainable Development of Extractive Resource In Kenya
	12:15 – 13:45	Lunch Break		
II	Process Engineering			
7	13:45 – 14:15	Shakir Ul Azam	SUT	Carbon nanotubes (CNTs) as advanced catalysts and supports in oxidation processes
8	14:15 – 14:45	Marta Wala	SUT	Simple preparation of NiCuFe catalytic powder and its electro catalytic properties towards urea oxidation
	14:45 – 15:00	Coffee Break		
9	15:00 – 15:30	Scholar Muange Koki	TTU	Influence of Microstructure on the Mechanical Properties and Defect Formation During Manufacturing of Recycled Aluminium

III	Analytics and Materials Science			
10	15:30 – 16:00	Michaela Pappa	UHasselt	Enhancement of Dissolved Air Flotation Harvesting of microalgae Chlorella sp.
Day 2, 10 June 2022				
III	Analytics and Materials Science			
1	9:00 – 9:30	Augustine Nana Appia	SUT	PPTAW enhancement of wear resistance of structural steel using powders of wear-resistant ni-based mmc
2	9:30 – 10:00	Dragos Stefan Roibu	UP	The history of photovoltaics in Romania from 2010 to present
IV	Energy and Waste, Circular Economy			
3	10:00 – 10:30	Clovis Khan	TUBAF	Benefits of the switch to renewable energy in the mining industry
	10:30 – 10:45	Coffee Break		
4	10:45 – 11:15	Cujba Rodica	UP	Efficient urban waste management - A case study
5	11:15 – 11:45	Hanza Mumtaz	SUT	Conversion of COVID-19 waste into energy to support the concept of circular economy
6	11:45 – 12:15	Vasilios Deligiorgis	TUC	Automated detection of hard rock inclusions during excavation with BWE - The effect of mining parameters
	12:15 – 13:45	Lunch Break		
V	Environmental science and management			
7	13:45 – 14:15	Simone Trimmel	MUL	Determination of technology-critical elements (TCEs) in plants from urban green infrastructure by ICP-MS/MS
8	14:15 – 14:45	Dave Bhautik	SUT	Microbiological investigation of bio-aerosol from sequential batch biofilm reactor
9	14:45 – 15:00	Coffee Break		
10	15:30 – 16:00	Lilian Jeruto Keino	TTU	Developing a river flow and extinction prediction model; A case study of Voi River.

11	16:00 – 16:30	Moses Pinto	ULE	Can the Decision to Externally Assure Sustainability Reports bear Strategic Importance in a Post-Pandemic World
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