



# First Annual FORTHEM Conference FORTHEM - For the Future

## Friday, 8 March 2024

### Natural Sciences – Be innovative and shape the future in your field (11:00 - 14:25)

time	[id] title	presenter
11:00	[95] SupraVacc - Supramolecular Design of Synthetic Vaccines and Injectable Biomaterials	Prof. BESENIUS, Pol
11:30	[40] Generative Image Algorithms based on AI approach with comparative results	CHIVU, Georgian-Cristian
11:45	[50] The future in our hands: children under the age of 3 developing scientific thought and treasuring nature through museum's experiences	FUSTÉ FORNÉ, Maria
12:00	Break	
12:05	[29] How to measure the non-convexity?	SOREA, Miruna-Stefana
12:20	[59] Selected examples of applications of active moss biomonitoring in air pollution assessment	Dr ŚWISŁOWSKI, Paweł
12:35	[62] Insect and spider distribution modelling by using remote sensing and machine learning methods: A case study in Apšuciems mire, Latvia	Ms ŠTOKMANE, Maija
12:50	[72] Brassica-Enriched Pasta: Exploring the Interplay of Nutritional Benefits and Sustainable Agriculture	AGAHI, Fojan
13:05	[76] Industrial-produced lemon nanovesicles ameliorate experimental colitis-associated damages in rats via the activation of anti-inflammatory and antioxidant responses	TINNIRELLO, Vincenza
13:20	Break	
13:25	[78] Quasi-isometric liftings and quasicontractions	STOICA, Andra-Maria
13:40	[81] On matrix representations of operators that are isometric with respect to generalized covariances	Ms CUNȚAN, Denisa Nicoleta
13:55	[39] Otsu's Method for Image Segmentation	MIHAI, Iliana
14:10	[101] Ecological succession of spider assemblages (Araneae) in a limestone quarry from Romania	Dr TĂUȘAN, Ioan