

# International Exploratory WORKSHOP

## Blue bioeconomy approach to wasted marine biomass: INNOVATIVE IDEAS, TECHNIQUES AND TRANSLATIONAL SCIENCES

24 June 2021

### Programme

9:00 – 9.30

- **Opening – welcome!** (S. Pinzaru, L. Baia)
- **MARIFERT project** – aquatic waste materials and their innovative use: motivations, results and outlook  
*Dr. F. Nekvapil, project director*

9.30 – 10:30

- **Short keynote talks (10 min. each)**  
Prof. dr. Simona Cintă Pinzaru, *Babeş-Bolyai University*,  
Prof. dr. Branko Glamuzina, *University of Dubrovnik*,
- Prof. Dr. Sanja Tomsic, *Univ. of Dubrovnik*
- Andrei Simion-*Recycle International*
- Adina Socaciu, *National Agency for Environment Protection*
- Tudor Mihai - Technology transfer, BBU; Entrepreneur, & business innovation consultant.

10:30 – 10:50 Coffee break

10:50 – 11:10 Lucian Balasa:  
Presentation of the Metrohm company, instruments and applications development;

- **11.10-13:00 Tetatic results**
- G. Lazar: Biogenic materials from aquatic waste and their ability to adsorb and slow release of liquids;
- T. Tamas & R. Hirian: Powdering biogenic waste and their properties
- A. Ciorata, M. Suci, L. B-Tudoran *Bacterial issues and regulatory aspects regarding waste reuse*
- L. Ogresta- Multidisciplinary approach within my ERASMUS mobility in Cluj
- I. Marica & I. Nesterovschi, From Macro to microplastics identification and sorting using Raman technology

• **13:00 – 15:00** Lunch talk

15:00 – 18:00: Practical demonstrations

- Portable Raman spectroscopy equipment (BWTEK)
- Biogenic materials, pigments, composites, plastics, chemicals fast identification

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### Organizers

**Babeş-Bolyai University of Cluj-Napoca**  
RDI Institute for Applied Natural Sciences  
„Ioan Ursu“ Institute of the Faculty of Physics  
RDI Lab in Applied Raman Spectroscopy and Services to the Community  
*Within MARIFERT Project, 2020-2021*

**WHERE:** BBU, ICDI-SNA: Str. Fantanele nr. 30, RO-400294, Cluj-Napoca, RO  
**WHEN:** June 24, 2021, time: 9-18, EET

### Main topics covered by short keynote talks and practical session:

- The idea beyond MARIFERT project: Blue Bioeconomy and the potential of the aquatic waste
- Knowledge-based information using innovative techniques on waste & recycling
- What Raman spectroscopy with portable instruments can do?
- Reusing waste for added-value by-products
- Translational science: from lab bench to SME
- Regulatory aspects; collection, deposit, re-use
- Education for sustainability, shared knowledge!

- **Participation free of charge!**

**Register until 10 June 2021** to the e-mail address:  
[fran.nekvapil@ubbcluj.ro](mailto:fran.nekvapil@ubbcluj.ro)

*Please indicate Your name, institution, and if You wish to attend on-site or join online Questions and additional information through e-mail communication*

in cooperation with

