



Project funded by
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Joint Operational Program "Black Sea Basin" 2014-2020 BSB27 MONITOX

"Black Sea Basin interdisciplinary cooperation network for sustainable joint monitoring of environmental toxicants migration, improved evaluation of ecological state and human health impact of harmful substances, and public exposure prevention"

Agenda

Expert training - Galati, 5-6 March 2020

Investigation of metals, radioisotopes, nutrients, pharmaceuticals and endocrine disruptors in environmental components (water, sediment, soils, aquatic organisms)

Dunarea de Jos University of Galati, Romania - Leader Partner (LP1)

5 March 2020

9.45-10.10	Participants registration Dunarea de Jos University of Galați (UDJG), S Building, Room SB401 Responsible: Angela Ribinciuc - project communication responsible
10.10-10.20	Welcome of participants and presentation of the project objectives, target toxicants and expected results Prof.dr. habil. Antoaneta Ene - Project Manager, Dunarea de Jos University of Galati Coordinating Committee
10.20-10.40	Radioisotopes - sources, detection methods and level of radioactivity concentration and gamma ambiental doses în Black Sea Basin target areas Prof.dr. habil. Antoaneta Ene - Project Manager, LP1 (UDJG)
10.40-11.00	Pharmaceutical Emerging Contaminants - Aquatic Pollution and Ecotoxicological Effects Prof.dr. eng. Gabriela Elena Bahrim - Quality monitoring manager, LP1 (UDJG) Dr.eng. Elena Enachi - Junior researcher, LP1 (UDJG)
11.00-11.15	Radiopharmaceuticals. Predictable perspectives and hidden dangers. Prof.dr.habil. Adrian Cîrciumaru - Project expert, LP1 (UDJG)
11.15-11.30	Nuclear radiations dosimetry Lect.dr.eng. phys. Viorel Laurențiu Cartaș - Project expert, LP1 (UDJG)
11.30-11.45	Evaluation of impact of radioactive content of drinkable water on people's health Dr. Violeta Pintilie - Radiochemist, Public Heath Direction of Galati
11.45-12.10	Discussions and organizing the groups for laboratory visits and experimental training Project coordinating committee
12.10-15.30	A. Laboratory training for professionals and students. Parallel visits at interdisciplinary research laboratories involved in the project and field measurements Project team members (LP1, PP2, PP3, PP4, PP5) and target groups representatives I. High resolution gamma ray spectroscopy and alpha spectroscopy for the analysis of radionuclides in environmental samples, and indoor radon & thoron Research center INPOLDE, REFORM-UDJG Multidisciplinary Platform, Room SA002, Faculty of Sciences and Environment <i>Responsible:</i> Prof. dr. habil. Antoaneta Ene

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	<p>II. Training for microbiological evaluations and application of HPLC technique for the determination of pharmaceuticals and endocrine disruptors Integrated Center for Research, Expertise and Technological Transfer in Food Industry (BioAliment-TehnIA), Faculty of Food Science and Engineering, Building E, 1st Floor <i>Responsibles:</i> Prof.dr.eng. Gabriela Elena Bahrim, Assoc.Prof.dr.eng. Mihaela Aida Vasile, Dr.eng. Elena Enachi</p> <p>III. Laboratory training for AAS technique - determination of heavy metals and trace elements Research center INPOLDE, REFORM-UDJG Multidisciplinary Platform, Room SD01, Faculty of Sciences and Environment <i>Responsible:</i> Lect.dr.eng. Dana Iulia Moraru</p> <p>IV. Molecular spectroscopy methods for the analysis of nutrients, mineralogical constituents, microplastics: UV-VIS, FTIR, ATR-FTIR Research center INPOLDE, REFORM-UDJG Multidisciplinary Platform, Room SB301, Faculty of Sciences and Environment <i>Responsible:</i> Assoc. Prof. dr. Steluța Gosav</p> <p>V. X-ray based investigation methods: X-ray fluorescence (XRF), Scanning electron microscopy (SEM) with Energy-Dispersive X-ray Analysis (SEM-EDX) Research center INPOLDE, Room SA002, & Laboratory of Electron Microscopy, Room SA01 Faculty of Sciences and Environment <i>Responsibles:</i> Lect.dr.eng. Vasile Bașliu, Lect.dr. Alina Ceoromila</p> <p>B. Field training for professionals and students.</p> <p>Measurements of gamma radiation dose rates <i>Responsibles:</i> Prof.dr.habil. Adrian Cîrciumaru, Lect.dr.eng. Viorel-Laurențiu Cartaș</p>
13.30-14.30	<i>Lunch break</i>
15.30-16.00	<i>Discussions</i> Project coordinating committee

6 March 2020

10.00-12.00	Visit to laboratories and field training for high school students <i>Responsible:</i> Prof.dr. habil. Antoaneta Ene - Project Manager
12.00	Awarding of certificates of attendance <i>Responsibles:</i> Prof.dr. habil. Antoaneta Ene, Lect.dr. Alina Sion

Training organizers - Project coordinating committee:

- ✚ Prof.dr. habil. eng. phys. **Antoaneta Ene** - *Project Manager, Leader Partner LP1* - Dunarea de Jos University of Galati, Romania
- ✚ Mem. cor. ASM, prof. dr. habil. biol. **Elena Zubcov** - *Project Coordinator partner PP2*, Institute of Zoology, Chisinau, Republic of Moldova
- ✚ Prof. dr. chem. **Thomas Spanos** - *Project Coordinator partner PP3*, International Hellenic University, Kavala, Greece
- ✚ Dr. geol. **Oleg Bogdevich** - *Project Coordinator partner PP4*, IGS, Chisinau, Republic of Moldova
- ✚ Dr. chem. **Liliana Teodorof** - *Project Coordinator partner PP5*, Danube Delta National Institute, Tulcea

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