



**MOREM**

**Development of Monitoring and Removal Strategies of Emerging Micropollutants in wastewaters**

T7ΔΚΙ-00220

Intergovernmental International Scientific and Technological Innovation-Cooperation. Joint declaration of Science and Technology Cooperation between China and Greece

## Press release

With great success, the two-day hybrid **Final Workshop and Training for the MOREM research project**, entitled **“Train with the Experts: Unveiling the Potential of the MOREM Project and Hands-on Lab Training”** was held on the 23<sup>rd</sup> and 24<sup>th</sup> October 2023. The workshop was organized by the Aristotle University of Thessaloniki, the Department of Chemistry and the Centre for Interdisciplinary Research and Innovation. The seminar was attended by students, researchers and collaborators working in related research areas.




  
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 ΟΙΚΟΝΟΜΙΑΣ & ΑΝΑΠΤΥΞΗΣ

Με τη συγχρηματοδότηση της Ελλάδας και της Ευρωπαϊκής Ένωσης

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 ΕΣΠΑ
   
 2014-2020

**ΕΠΑνεΚ 2014-2020**
  
**ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ**
  
**ΑΝΤΑΓΩΝΙΣΤΙΚΟΤΗΤΑ • ΕΠΙΧΕΙΡΗΜΑΤΙΚΟΤΗΤΑ • ΚΑΙΝΟΤΟΜΙΑ**

The hybrid workshop was held online and the first part of the training took place in the Department of Chemistry of Aristotle University of Thessaloniki, while the second in the Center for Interdisciplinary Research and Innovation.

During the seminar, the partners gave speeches on the following topics:

- ✓ Main Goals and Scientific and Technological Objectives of the research project
- ✓ Challenges in Microplastics sampling in Wastewater Treatment Plants
- ✓ Monitoring microplastics in effluent wastewaters using microscopic and analytical pyrolysis techniques
- ✓ Sampling, pretreatment, and determination of microplastics using microscopic techniques in WWTP of Thessaloniki
- ✓ Comprehensive Monitoring of Antibiotics in Wastewaters using HRMS Techniques: Assessing Occurrence and Ecological Risks
- ✓ How to remove pharmaceuticals from aqueous matrices by adsorption onto activated carbon from orange peels

There was an extremely high interest and as a result the partners and stakeholders renewed their appointment for another face-to-face meeting at a next possible project.

On the Live in the lab: Hands-on training (Day 1) the following courses took place:

- ✓ Synthesis of adsorptive and photocatalytic materials
- ✓ Pretreatment experimental procedures for identification of microplastics collected from WWTP samples

While on Day 2:

- ✓ Photocatalytic treatment of PPCPs in pilot scale unit
- ✓ Wastewaters: sample preparation and handling, determination of PPCPs with advanced mass spectrometry techniques

For more information you can visit the official project website: <https://morem.chem.auth.gr/>



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