

**REPORT:**

**8<sup>th</sup> TwiNSol-CECs Training**

***“Testing biomaterials for Passive Samplers Development – transfer of knowledge and best practice”***

**Laboratory of membrane processes at NOVA School of Science and Technology and iBET, Portugal**

November 25<sup>th</sup> – November 29<sup>th</sup>, 2024

The eighth onsite TwiNSol-CECs training was organized as a one week visit of two researchers from the Faculty of Technology Novi Sad (TFNS) to UNL. TFNS researchers, Dr. Vesna Vasić, senior research associate, and Dušan Rakić, PhD student, visited the laboratory of membrane processes in the period between 25<sup>th</sup> November – 29<sup>th</sup> November 2024 as a part of the activities planned within TwiNSol-CECs project dedicated to the objectives of WP3 – Reinforcing research knowledge and skills of TFNS of TwiNSol-CECs project. The host of this visit was Prof. Joao Crespo Leader of WP2 and WP5, and Dr. Vanessa Pereira.

One week training consisted of several meetings regarding activities within joint research and consultations and discussions regarding testing biomaterials for passive samplers development in the laboratories of TFNS.

During the 8<sup>th</sup> training, TFNS researchers had several meetings with Prof. Joao Crespo and Vanessa Pereira regarding joint research activities.

Main topics for discussion at meetings were:

- Testing of biomaterials in passive samplers,
- Discussion about manuscript (review) about passive samplers
- Development of passive samplers
- Experimental plan for future experiments by using biomaterials in TFNS laboratories,
- Discussions about future publications.

Dr. Vesna Vasić and Dušan Rakić visited several laboratories at iBET in Oeiras and discussed future collaboration. The main focus of this visit was on the development of passive samplers with different kinds of biomaterials. TFNS researchers did initial experiments of testing biomaterials for passive sampling and showed how to construct passive samplers.



**Figure 1** Meetings between TFNS researchers with Prof. Joao Crespo and Vanessa Pereira



**Figure 2** Dr. Vesna Vasić and Dr. Vanessa Pereira working with conventional passive samplers

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**PROGRAM**

25.11.2024.

10,00 – 13,00 Discussion of the first tests of biomaterials for passive sampling

13,00 – 15,00 Discussion about review manuscript

26.11.2024.

10,00 – 16,00 Set up experiments for testing biomaterials in model mixture and construction of passive samplers

27.11.2024.

10,00 – 14,00 First sampling of model mixture for analysis

14,00 – 15,00 Discussion on future experiments with biomaterials

28.11.2024.

10,00 – 12,00 Second sampling of model water for analysis

12,00 – 14,00 – Visit to iBET laboratories

14,00 – 15,00 – Discussion on future uses of passive samplers at TFNS

29.11.2024.

10,00 – 12,00 – Meeting regarding future research within TwINSol-CECs project

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