Titlu proiect: Membrane cu incluziune polimerica pentru separarea ionilor metalici in solutii apoase cu aplicatii in prelevarea pasiva si tratarea apei (METPIMS)

Nr. Crt.	Tip rezultat/produs	Asumat la contractare	Livrabile realizate	Grad de indeplinire
1	Documentatie revizuita privind tipuri extistente de membrane cu incluziune polimerica	1 documentatie	1 documentatie	Indeplinit 100%
2	Noi retete de obtinere si tipuri noi de membrane cu incluziune polimerica	6 noi retete de PIM	6 noi retete de PIM	Indeplinit 100%
3	Raport caracterizare fizico-chimica si structurala a noilor PIMs	1 Raport caracterizare fizico-chimica si structurala a noilor PIMs	1 Raport caracterizare fizico-chimica si structurala a noilor PIMs	Indeplinit 100%
4	Noi tipuri de dispozitive de prelevare pasiva (PS) cu PIMs – model experimental dispozitive	1 nou tip de dispozitive de prelevare pasiva (PS) cu PIMs	1 nou tip de dispozitive de prelevare pasiva (PS) cu PIMs	Indeplinit 100%
5	Raport experimentare si optimizare model experimental dispozitive PS cu PIMs	1 Raport experimentare si optimizare PS cu PIMs	1 Raport experimentare si optimizare PS cu PIMs	Indeplinit 100%
6	Raport experimentare si optimizare ME PIMs pentru separarea metalelor din apa contaminata – prima parte	1 Raport experimentare si optimizare ME PIMs pentru separarea metalelor din apa contaminata	1 Raport experimentare si optimizare ME PIMs pentru separarea metalelor din apa contaminata	Indeplinit 100% - realizat prima parte cf. Plan de realizare
7	Participare la manifestari stiintifice	2 participari la conferinte internationale	4 participari la conferinte / saloane internationale	Depasit, 200%
8	Publicare articole ISI in reviste cu FI>3	2 articole publicate/trimise spre publicare	4 articole ISI publicate in reviste cu FI>3	Depasit, 200%
9	Raport de faza	Raport intermediar de cercetare	Raport intermediar de cercetare	Indeplinit 100%

Diseminare rezultate:

Participare la manifestari stiintifice.

1. M. Senila, S.B. Angyus, L. Senila, E. Kovacs. Passive sampling for Cd determination in wastewaters using a new polymer inclusion membrane. *15th International Conference Processes in Isotopes and Molecules*, 16-19.09.2025, Cluj-Napoca, Romania, prezentare poster
2. M. Senila, L. Senila, E. Kovacs. Polymer Inclusion Membrane for Passive Sampling of Zn(II) in Water. *The 2nd International Online Conference on Toxics* 08-10.09.2025, prezentare poster online

3. M. Senila, B.S. Angyus. Determination of Pb in table salt using diffusive gradients in thin-film technique for passive sampling prior GFAAS analysis. *8th International Conference on Emerging Technologies in Materials Engineering, EMERGEMAT,* 06-07.10.2025, Pantelimon, Ilfov, Romania, prezentare poster online
4. M. Senila, O. Cadar, L. Senila, E. Kovacs, O. Todor-Boer, S.B. Angyus, Membrane cu incluziune polimerica pentru separarea ionilor metalici in solutii apoase, cu aplicatii in prelevarea pasiva si tratarea apei, Salonul International al Cercetarii Stiintifice, Inovarii si Inventicii – PRO INVENT 2025, 15-17 oct 2025, Cluj-Napoca, Romania – Medalie de aur

Publicare articole ISI

1. M. Senila, S. B. Angyus, Determination of copper labile species in wine using diffusive gradients in thin-films technique with open and restricted diffusive gels, *Microchemical Journal*, 2025, 215, 114330, https://doi.org/10.1016/j.microc.2025.114330, (**F.I. = 5.1**)
2. M. Senila, Polymer Inclusion Membranes (PIMs) for Metal Separation—Toward Environmentally Friendly Production and Applications, *Polymers*, 2025, 17, 725, https://doi.org/10.3390/polym17060725, (**F.I. = 4.9**)
3. L. Senila, E. Kovacs, M. Senila, A Review of Polylactic Acid (PLA) and Poly(3-hydroxybutyrate) (PHB) as Bio-Sourced Polymers for Membrane Production Applications, *Membranes*, 2025, 15, 210. https://doi.org/10.3390/membranes15070210, (**F.I. = 3.6**)
4. M. Senila, O, Cadar, Determination of metals in wine by ICP-OES: Comparative study of matrix effects and greenness of different sample preparation approaches, *Journal of Food Composition and Analysis*, 2025, 148, 108331, https://doi.org/10.1016/j.jfca.2025.108331, (**F.I. = 3.9**).