

## Papers List

1. M.C. Corobea, **O. Muhuleț**, F. Miculescu, I.V. Antoniac, Z. Vuluga, D. Florea, D.M. Vuluga, M. Butnaru, D. Ivanov, S.I. Voicu, V.K. Thakur, Novel Nanocomposite Membranes from Cellulose Acetate and Clay-Silica Nanowires, *Polymers for Advanced Technologies*, 2016, 27(12), 1586-1595, WOS: 000387663300005; IF (2016) 1,901; IF (2021) 3,184.
2. **O.S. Serbănescu**, A.M. Pandele, F. Miculescu, S.I. Voicu, Synthesis and characterization of cellulose acetate membranes with self-indicating properties by changing the membrane surface color for separation of Gd (III), *Coatings*, 10(5), 468, 2020, WOS: 000541770900031; IF (2020) = 2,718; IF (2021) = 3,038.
3. A.M. Pandele, **O.S. Serbănescu**, S.I. Voicu, Polysulfone Composite Membranes with Carbonaceous Structure. Synthesis and Applications, *Coatings*, 2020, 10(7), 609, WOS: 000554136200001; IF (2020) = 2,718; IF (2021) = 3,038.
4. **O.S. Serbănescu**, S.I. Voicu, V.K. Thakur, Polysulfone functionalized membranes: Properties and challenges, *Materials Today Chemistry*, 2020, 17, 100302, WOS: 000571518700002; IF (2020) = 0; IF (2021) = 8,301.
5. **O.S. Serbănescu**, A.M. Pandele, A. Semenescu, M. Oprea, S.I. Voicu, Functionalized cellulose acetate membranes with crown ethers for retention of Gd(III), *Polymers*, 2021 (trimis pentru publicare); IF (2021) = 4,329.
6. M. Oprea, A. Ficai, C. Ilie, R. Trusca, O. Oprea, **O.S. Serbănescu**, S.I. Voicu, Zinc-loaded cellulose acetate membranes with potential biomedical applications, *UPB Scientific Bulletin Serie B*, 2021.

## Scientific meetings attended

1. **O.S. Serbănescu**, S.I. Voicu, "Polymeric membranes with self-indicator proprieties for separation efficiency", 11<sup>th</sup> International Conference on Materials Science and Engineering – BraMat 2019, March 13-16, 2019, Poiana Brasov, Romania, comunicare orală.
2. **O.S. Serbănescu**, "Removal of Gd (III) onto functionalized Cellulose Acetate membranes with self indicator proprieties", 21<sup>st</sup> Romanian International Conference on Chemistry and Chemical Engineering, September 4-7, 2019, Constanta – Mamaia, Romania, comunicare orală.
3. **O.S. Serbănescu**, A.M. Pandele, S.I. Voicu, "Covalent immobilization of crown ethers onto cellulose acetate membranes for removal of Gadolinium (III)", 11<sup>th</sup> International Conference on Materials Science and Engineering – BraMat 2019, March 13-16, 2019, Poiana Brasov, Romania, poster.