

Lista de lucrari

Articole ISI

1. **Oprea, M.**; Voicu, S.I. *Recent advances in composites based on cellulose derivatives for biomedical applications*. Carbohydrate Polymers 2020, 247, 116683. **F.I. 11.2, WOS:000565140200010.**
2. **Oprea, M.**; Voicu, Ş.I. *Cellulose-based composites with graphene for tissue engineering applications*, Materials 2020, 13(23), 5347. **F.I. 3.4, WOS:000597469400001.**
3. **Oprea, M.**; Panaitescu, D.M.; *Nanocellulose hybrids with metal oxides for biomedical applications*, Molecules 2020, 20(18), 4045. **F.I. 4.6, WOS:000580078500001.**
4. **Oprea, M.**; Voicu, Ş.I. *Recent advances in applications of cellulose derivatives-based composite membranes with hydroxyapatite*. Materials 2020, 13(11), 2481. **F.I. 3.4, WOS:000551495800057.**
5. **Oprea, M.**; Panaitescu, D.M.; Nicolae, C.A.; Gabor, A.R.; Frone, A.N.; Raditoiu, V.; Trusca, R.; Casarica, A. *Nanocomposites from functionalized bacterial cellulose and poly(3-hydroxybutyrate-co-3-hydroxyvalerate)*. Polymer Degradation and Stability 2020, 179, 109203. **F.I. 5.9, WOS:000564495800005.**
6. **Oprea, M.**; Ficaï, A.; Ilie, C.; Trusca, R.; Oprea, O.C.; Serbanescu, O.S.; Voicu, S.I. *Zinc loaded cellulose acetate membranes with potential biomedical applications*. UPB Scientific Bulletin Series B: Chemistry and Materials Science 2022, 84(2), 15-30. **F.I. 0.4, WOS:000805934600002.**
7. **Oprea, M.**; Pandele, A.M.; Nicoara, A.I.; Nicolescu, A.; Deleanu, C.; Voicu, S.I. *Crown ether-functionalized cellulose acetate membranes with potential applications in osseointegration*. International Journal of Biological Macromolecules 2023, 230, 123162. **F.I. 8.2, WOS:000922684900001.**
8. Pandele, A.M.; **Oprea, M.**; Dutu, A.A.; Miculescu, F.; Voicu, S.I. *A novel generation of polysulfone/crown ether-functionalized reduced graphene oxide membranes with potential applications in hemodialysis*. Polymers 2021, 14(1), 148. **F.I. 5.0, WOS:000743145100001.**

Suma factorilor de impact = 42,1

Comunicari la conferinte nationale si internationale

1. **Mădălina Oprea**, Stefan Ioan Voicu, Andreea Madalina Pandele, Adrian Ionut Nicoara, *A novel generation of surface functionalized cellulose acetate membranes for biomedical applications*, BIOREMEDIATION 2023, Sibiu, România, 19-21 Iulie, 2023, poster.
2. **Mădălina Oprea**, Stefan Ioan Voicu, Andreea Madalina Pandele, Adrian Ionut Nicoara, *Surface functionalization of cellulose acetate membranes with crown ether*

for biomedical applications, NanoBioMat Summer Edition, București, România, 28-30 Iunie, 2023, poster.

3. **Mădălina Oprea**, Andreea Madalina Pandele, Adrian Ionut Nicoara, Ștefan Ioan Voicu, *Surface functionalized cellulose acetate membranes with enhanced biomineralization ability*, 2rd Bucharest Polymer Conference, Universitatea Politehnica din București, România, 7-10 Iunie, 2023, comunicare orală.
4. **Mădălina Oprea**, Ștefan Ioan Voicu, Andreea Madalina Pandele, Adrian Ionut Nicoara, Cristina Tuncel, *Crown ether functionalized cellulose acetate membranes with potential applications in hemodialysis*, NanoBioMat Winter Edition, București, România, 25-27 Noiembrie, 2021, comunicare orală.
5. **Mădălina Oprea**, Ștefan Ioan Voicu, Andreea Madalina Pandele, Alexandra Palla-Papavlu, *Alphafetoprotein monoclonal antibody-functionalized graphene for the fabrication of surface acoustic wave sensors*, Priochem 17th edition, București, România, 27-29 Octombrie, 2021, comunicare orală.
6. **Mădălina Oprea**, Ștefan Ioan Voicu, Andreea Madalina Pandele, *A new generation of polysulfone membrane materials for hemodialysis*, CoSolMat Workshop, București, România, 11-15 Octombrie 2021, comunicare orală.
7. **Mădălina Oprea**, Ștefan Ioan Voicu, Andreea Madalina Pandele, Denis Mihaela Panaitescu, *Ethanolamine, a novel linker for the covalent functionalization of cellulose acetate membranes*, 2nd Bucharest Polymer Conference, Universitatea Politehnica din București, România, 9-11 Iunie, 2021, comunicare orală.
8. **Mădălina Oprea**, Cristian-Andi Nicolae, Raluca Augusta Gabor, Roxana Trusca, Denis Mihaela Panaitescu, *Bacterial cellulose/poly(3-hydroxybutyrate-co-3-hydroxyvalerate) nanocomposites for biomedical applications*, Workshop-ul Exploratoriu Tehnologii Inovatoare Trans-Sectoriale (NeXT-Chem), București, Romania, Iunie 18-19, 2020.