

## Papers list

1. E.B. (Georgescu) Stoica, A.M. (Florea) Gavrilă, T.V. Iordache, A. Sarbu, H. Iovu, T. Sandu, H. Brisset, Molecularly imprinted membrane obtained via wet phase inversion for ephedrine retention, U.P.B. Sci. Bull., Series B, 2020, 82(2), pp. 15-26.
2. B.E. Georgescu, C. Branger, T.V. Iordache, H. Iovu, O.B. Vitrik, A.V. Dyshlyuk, A. Sarbu, H. Brisset, Application of unusual on/off electrochemical properties of a molecularly imprinted polymer based on an EDOT– thiophene precursor for the detection of ephedrine, Electrochemistry Communications, 2018, 94, pp. 45-48.
3. E.B. Stoica, A.M. Gavrilă, C. Branger, H. Brisset, A.V. Dyshlyuk, O.B. Vitrik, H. Iovu, A. Miron, A. Sarbu, T.V. Iordache, Evaluation of Molecularly Imprinted Thin Films for Ephedrine recognition, Materiale Plastice, 2019, 56, 4, pp. 865-874.
4. B.E. Stoica, A.M. Gavrilă, A. Sarbu, H. Iovu, H. Brisset, A. Miron, T.V. Iordache, Uncovering the behavior of screen-printed carbon electrodes modified with polymers molecularly imprinted with lipopolysaccharide, Electrochemistry communications, 2021, 124, 106965.

## Scientific events attended

1. E.B. Stoica, A.M. Gavrilă, T. Sandu, L. Ciurlică, H. Brisset, C. Branger, H. Iovu, A. Sarbu, A.L. Radu, A. Zaharia, T.v. Iordache, Molecularly imprinted polymer films doped with conductive substances for bacteria detection, 8th Graduate Student Symposium on Molecular Imprinting, 28-30 August 2019, Berlin, Germany. Poster
2. E.B. Stoica (Georgescu), H. Brisset, C. Branger, H. Iovu, A.M. Florea, A.L. Radu, T. Sandu, A. Zaharia, A. Sârbu, T.V. Iordache, Preparation of a new molecularly imprinted polymers via electropolymerization for ephedrine detection, 6<sup>th</sup> NanoToday Conference, 16-20 June 2019, Lisbon, Portugal. Poster
3. E.B. Stoica, A.M. Gavrilă, A. Sarbu, A. Miron, M. Ghiurea, B. Trica, V. Raditoiu, R. Botez, I. E. Neblea, T.V. Iordache, Electrochemical Sensor Based on Molecularly Imprinted Polymers for Lipopolisaccharides Detection, PRIORITIES OF CHEMISTRY FOR A SUSTAINABLE DEVELOPMENT” PRIOCHEM – XVithEdition, 28-30 October 2020, Bucharest, Romania. Oral Communication.

## Patents

1. A. Sarbu, T.V. Iordache, A.M. Florea, E.B. Georgescu, S. Apostol, “Filme polimerice impregnate molecular cu droguri și procedeu de obținere a acestora”/Molecularly imprinted polymer films with illicit drugs and a process for obtaining thereof, Patent request A 00920/09.11.2017, Brevet acordat RO 133363B1/2021
2. T.V. Iordache, E.B. Stoica, A. Sârbu, A.M. Gavrilă, A.L. Ciurlică, A.L. Chiriac, A. Zaharia, T. Sandu, „Suprafețe hibride pentru detecția electrochimică a endotoxinelor

microbiene și procedeu pentru obținerea acestora”/ Hybrid surfaces for electrochemical detection of microbial endotoxins and a process for obtainingt hereof, Patent request A00804/27.11.2019