

## LISTĂ DE LUCRĂRI

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.

### Participări manifestări științifice

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
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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 Lipopolysaccharides Detection, PRIORITIES OF CHEMISTRY FOR A SUSTAINABLE DEVELOPMENT” PRIOCHEM – XVth Edition, 28-30 October 2020, Bucharest, Romania. Oral Communication.

### Cereri brevete și brevete acordate

1. A. Sarbu, T.V. Iordache, A.M. Florea, E.B. Georgescu, S. Apostol, “Filme polimerice imprimantă molecular cu droguri și procedeu de obținere a acestora”/Molecularly imprinted polymer films with illicit drugs and a process for obtaining thereof, cerere de brevet 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, cerere de brevet A00804/27.11.2019