

## LISTA CU LUCRĂRILE ȘTIINȚIFICE RELEVANTE

1. **N. Plesu**, A. Kellenberger, M. Mihali, N. Vaszilcsin. Effect of temperature on the electrochemical synthesis and properties of polyaniline films, *J. Non-Cryst. Solids* **2010**, 356, 1081-1088. <https://doi.org/10.1016/j.jnoncrysol.2010.01.011>
2. A. Kellenberger, **N. Plesu\***, M. Tara Lunga Mihali, N. Vaszilcsin. Synthesis of polyaniline nanostructures by electrochemical deposition on niobium, *Polymer* **2013**, 54, 3166-3174. <https://doi.org/10.1016/j.polymer.2013.04.031>
3. A. Kellenberger, D. Ambros, **N. Plesu**. Scan rate dependent morphology of polyaniline films electrochemically deposited on nickel, *Int. J. Electrochem. Sci.* **2014**, 9, 6821-6833. [https://doi.org/10.1016/S1452-3981\(23\)10932-1](https://doi.org/10.1016/S1452-3981(23)10932-1)
4. **N. Plesu**, A. Kellenberger, I. Taranu, B.O. Taranu, I. Popa. Impedimetric detection of dopamine on poly(3-aminophenyl boronic acid) modified skeleton nickel electrodes, *React. & Funct. Polym.* **2013**, 73, 772-778. <https://doi.org/10.1016/j.reactfunctpolym.2013.03.004>
5. M. Tara Lunga Mihali, **N. Plesu\***, A. Kellenberger, G. Ilia. Adsorption of an Azo dye on polyaniline/niobium substrate, *Int. J. Electrochem. Sci.* **2015**, 10, 7643-7659. [https://doi.org/10.1016/S1452-3981\(23\)17378-0](https://doi.org/10.1016/S1452-3981(23)17378-0)
6. A. Kellenberger, D. Ambros, **N. Plesu\***, Polyaniline nanofibers modified Ni electrodes for electrochemical hydrogen production, *Int. J. Electrochem. Sci.* **2020**, 15(9) 8536-8551, <https://doi.org/10.20964/2020.09.47>
7. M. Tara-Lunga-Mihali, **N. Plesu\***, L. Macarie, S. Iliescu, G. Ilia. Polyaniline composite designed for solid polymer electrolyte, *Pure Appl. Chem.* **2014**, 86(11), 1853-1860, <https://doi.org/10.1515/pac-2014-0605>
8. A. Moschona, **N. Plesu**, R.M.P. Colodrero, A. Cabeza, A.G. Thomas, K.D. Demadis. Homologousalkyl side-chain diphosphonate inhibitors for the corrosion protection of carbon steels. *Chem. Eng. J.* **2021**, 405, Article Number 126864, <https://doi.org/10.1016/j.cej.2020.126864>
9. A. Moschona, **N. Plesu**, G. Mezei; A.G. Thomas, K.D. Demadis. Corrosion protection of carbon steel by tetraphosphonates of systematically different molecular size, *Corros.Sci.* **2018**, 145, 135-150, <https://doi.org/10.1016/j.corsci.2018.09.021>
10. **N. Plesu\***, L. Macarie, M. Mihali, B. Maranescu, A. Visa, D. Jurcau. Polyester-Based coatings with a metal organic framework: an experimental study for corrosion protection, *J. Compos. Sci.* **2023**, 7(10), <https://doi.org/10.3390/jcs7100422>

Dr. Nicoleta-Simona PLESU

