

Papers list

1. C. Cioates Negut, **Sorin Sebastian Gheorghe**, R. I. Stefan-van Staden, J. F. van Staden, Fast screening test for molecular recognition of levodopa and dopamine in biological samples using 3D printed stochastic microsensors, *Journal of Pharmaceutical and Bio medical Analysis*, 2021, 205:114292; <https://doi.org/10.1016/j.jpba.2021.114292> (IF: 3.209)
2. RM Ilie-Mihai, **Sorin Sebastian Gheorghe**, RI Stefan-van Staden, A Bratei, Electroanalysis of Interleukin s 1 p, 6, and 12 in Biological Samples Using a Needle Stochastic Sensor Based on Nanodiamond Paste, *Electroanalysis* 20210, 33:6-10; <https://doi.org/10.1002/elan.202060118>; (IF: 3.223)
3. RI St fan-van Staden, C Cioates Negut, **Sorin Sebastian Gheorghe**, A Ciorita, 3D stochasticmicrosensorsfor molecular recogni tion an d determination of heregulin -a in biological samples, *Analytical and Bioanalytical Chemistry* 2021, 413:3487-3492, <https://doi.org/10.1007/s00216-021-03295-7> (IF:4.142)
4. RI Stefan-van Staden, **Sorin Sebastian Gheorghe** , RM Ilie -Mih ai, M Badulescu, Disposable Stochastic Sensor Based on Depositi on of a Nanolayer of Sliver on Silk for Molecular Recognition of Specific Biomarkers, *Journal of The Electrochem ical Society*, 2021, 168(3):037515; <https://doi.org/10.1149/1945-7111/abeea2> (IF:4.316)
5. **Sorin Sebastian Gheorghe**, C Cioates Negut, M Badulescu, RI St efan-van St aden. Sensitive Detect i on of Heregulin-a from Biological Samples Using a Disposable Stochastic Sensor Based on Plasma Deposit ion of GNPs-AgPs' Nanofilms on Sil k. *Life*. 2021; 11 (9):894 . <https://doi.org/10.3390/life11090894> (IF: 3.817)
- 6 . **Sorin Sebastian Gheorghe**, RM Ilie-Mihai, RI Stefan-van Staden, Determ inati on of Dopaminein Whole Blood Samples Using A New Electrochem ical Sensor Based on Gra phene, *UPB Sci Bull, Acceptata*. (IF: 0.49)

Scientific events attended

1. Disposable stocahstic sensor based on deposition of a nanolayer of silver on silk for molecular recognition of specific biomarkers, Sorin Sebastian Gheorghe, RI Stefan-van Staden, RM Ilie-Mihai, M Badulescu, XXVIth International Symposium on Bioelectrochemistry and Bioenergetics, Cluj-Napoca, Romania, 9-13 Mai 2021- prezentare orala
2. 3D stochastic sensors as new tools for early diagnosis of brain cancer, RI Stefanvan Staden, Sorin Sebast i an Gheorghe, C Cioates Negut, ACS Fall 2021, Atlanta, USA, 22 - 26 August, 2021- prezentare orala
3. Validation of a Screening Method based on a Needle Stochastic Sensor for the

Determination of Interleukins 1 , 6, and 12 in Biological Samples, Sorin Sebastian Gheorghe, RM Ilie-Mihai, RI Stefan-van Staden, A Bratei, Eurachem Virtual Scientific Workshop, 14-15 Iulie, 2020 - prezentare orala

4. Stochastic Sensors for the Molecular Recognition and Determination of Heregulina in Bio logical Samples - oral presentation (051), C. Cioates Negut, R. I. Stefan-van Staden, Sorin Sebastian Gheorghe, M. Badulescu, Proceedings of the 7th International Conference on Sensors Engineering and Electronics Instrumentation Advances (SEIA' 2021), 22-24 September 2021, Palma de Mallorca, Mallorca (Balearic Islands), Spain, pp. 150 -151, ISBN:978-84-09-33525-1.- prezentare orala