

PhD. Student Bianca-Maria Țuchiu (căs. Stanca)
List of papers that include data from the thesis

PAPERS LIST (Total IF = 40.2)

ARTICOLE TIP REVIEW

IF = 10.9

1. Țuchiu, B.-M.; Stefan-van Staden, R.-I.; van Staden, J.F. *Recent Trends in Ibuprofen and Ketoprofen Electrochemical Quantification – A Review*. Crit. Rev. Anal. Chem. **54(1)**, (2024) 61–72. **IF=5.0**
2. Țuchiu, B.-M.; Stefan-van Staden, R.-I.; van Staden, J.F. *Review—Electrochemical Sensors Used for the Determination of Some Antifungal Azoles*. ECS Sens. Plus **1(3)**, (2022) 030601.
3. Țuchiu, B.-M.; Stefan-van Staden, R.-I.; van Staden, J.F. *Mini-Review: Recent Innovations in Corticosteroid Determination Using Electrochemical Sensors*. Anal. Lett. **57(4)**, (2024) 665–680. **IF=2.0**
4. Țuchiu, B.-M.; Stefan-van Staden, R.-I.; van Staden, J.F. *Review—Novel Trends in the Determination of Pharmaceutical Compounds Commonly Found in Topical Treatments using Electrochemical Sensing Approaches*. J. Electrochem. Soc. **171**, (2024) 047502. **IF=3.9**

ORIGINAL ARTICLES

IF = 29.3

5. Țuchiu, B.-M.; Stefan-van Staden, R.-I.; Bădulescu, M.; van Staden, J.F. *Disposable stochastic sensors for fast analysis of ibuprofen, ketoprofen, and flurbiprofen in their topical pharmaceutical formulations*. J. Pharm. Biomed. Anal. **215**, (2022) 114758. **IF=3.4**
6. Țuchiu, B.-M.; Stefan-van Staden, R.-I.; van Staden, J.F.; Aboul-Enein, H.Y. *N-Methylfulleropyrrolidine-Based Multimode Sensor for Determination of Butoconazole Nitrate*. ACS Omega **7(46)**, (2022) 42537–42544. **IF=4.1**
7. Stefan-van Staden, R.-I.; Țuchiu, B.-M.; van Staden, J.F.; Sfirloaga, P. *Multimode Detection Platform Based on 3D Integrated Sensor for Fast On-Site Assay of Methylprednisolone in Its Pharmaceutical Formulation and Surface Water Samples*. J. Electrochem. Soc. **170**, (2023) 037516. **IF=3.9**
8. Țuchiu, B.-M.; Stefan-van Staden, R.-I.; van Staden, J.F. *Sensitive Electrochemical Determination of Betamethasone in Daivobet and in Water Samples*. U.P.B. Sci. Bull Series B. **85(4)**, (2023) 169–176. **IF=0.5**
9. Țuchiu, B.-M.; Stefan-van Staden, R.-I.; van Staden, J.F. *Stochastic platform based on calix[6]arene and TiO₂-modified reduced graphene oxide electrode for on-site determination of nonivamide in pharmaceutical and water samples*. RSC Adv. **13(26)**, (2023) 17628–17632. **IF=3.9**

10. **Tuchiu, B.-M.**; Stefan-van Staden, R.-I.; van Staden, J.F.; Aboul-Enein, H.Y. *Disposable Stochastic Platform for the Simultaneous Determination of Calcipotriol and Betamethasone in Pharmaceutical and Surface Water Samples*. *Chemosensors* **11(8)**, (2023) 446. **IF=4.2**
11. **Tuchiu, B.-M.**; Stefan-van Staden, R.-I.; van Staden, J.F. *Fast on-site simultaneous electroanalysis of fusidic acid and betamethasone in pharmaceuticals and water samples using novel stochastic platform*. *Electrochem. Commun.* **157**, (2023) 107625. **IF=5.4**
12. **Tuchiu, B.-M.**; Stefan-van Staden, R.-I.; van Staden, J.F. *Intelligent miniplatform for on-site monitoring of water samples and pharmaceutical production of ointments based on betamethasone and gentamicin as active pharmaceutical ingredients*. *J. Electrochem. Soc.* **171(6)**, (2024) 067503. **IF=3.9**

SCIENTIFIC MEETINGS ATTENDED

1. **Bianca-Maria Tuchiu**, Raluca-Ioana Stefan-van Staden, Jacobus Frederick van Staden, PS3-52. Calix[6]arene and TiO₂ modified reduced graphene oxide electrode-based portable stochastic platform for the determination of nonivamide from topical pharmaceutical dosage forms and water samples, *Euroanalysis XXI*, p. 327, Geneva, Elveția, 27-31 August, 2023. (poster presentation)
2. **Bianca-Maria Tuchiu**, Raluca-Ioana Stefan-van Staden, Jacobus Frederick van Staden, PS2-44. On-site simultaneous determination of calcipotriol and betamethasone in topical pharmaceutical formulations and surface water samples using an intelligent mini platform based on carbon nanotubes-gold nanoparticles screen-printed electrode modified with calix[6]arene, *Euroanalysis XXI*, p. 271-272, Geneva, Elveția, 27-31 August, 2023. (poster presentation)
3. Ruxandra-Maria Ilie-Mihai, Raluca-Ioana Stefan-van Staden, Alexandru Adrian Bratei, Damaris-Cristina Gheorghe, **Bianca-Maria Tuchiu**, OP9-5-3. DNA Mismatch Repair Assessment in Gastric and Colon Cancers Using Stochastic Microdisks, *Euroanalysis XXI*, Geneva, Elveția, 27-31 August, 2023. (oral presentation)