F17 - Memoriul ştiinţific al studentului doctorand

MEMORIU ŞTIINŢIFIC

Drd. Popa Maria-Lavinia (cas Cobianu).

Studii de doctorat

Perioada:2021-2026

Conducător ştiinţific: Prof. Dr. Habil Raluca-Ioana van Staden

Domeniu: Chimie

Titlul tezei de doctorat:Textile based on sensors for food and biomedical analysis

IOSUD-UNSTPB

Şcoala Doctorală Inginerie Chimică şi Biotehnologii

Activitate ştiinţifică

A. Lista de lucrări ştiinţifice (articole în reviste sau volume)

1. ***Popa-Cobianu, M.-L.***, *Stefan-van Staden, R.-I., & Ilie-Mihai, R.-M. (2025). Electroanalysis of Patulin. University Politehnica of Bucharest Scientific Bulletin, 87(4), 000.*
2. ***Popa-Cobianu, M.L.***, *Stefan-van Staden, R. I., Gheorghe, D. C., & Surdu-Bob, C. C. (2025). 2D Disposable Textile Stochastic Sensors Based on Nanolayer of Diamond Like Carbon – Ag Modified with Cyclodextrins for Fast Diagnosis of Hepatitis C. Journal of the Electrochemical Society, 172(4), 047519. https://doi.org/10.1149/1945-7111/adcbe0 Q2*
3. ***Popa-Cobianu, L.M.***, *Stefan-van Staden, R. I., & Gheorghe, D.C. (2025). Stochastic sensing strip for the determination of deoxynivalenol in urine. Analytical Letters, 1–7. https://doi.org/10.1080/00032719.2025.2532159 Q3*
4. ***Popa-Cobianu, L. M.***, *Stefan-van Staden, R. I., & Gheorghe, D.C. (2025). Sensing strips for on-site determination of ochratoxin A in milk and wine. Food Chemistry, 493, 145679. https://doi.org/10.1016/j.foodchem.2025.145679 Q1*
5. *Stefan-van Staden, R. I.,* ***Popa-Cobianu, L.M.***, *Gheorghe, D. C., & Surdu-Bob, C. C. (2024). 2D Disposable Textile Stochastic Sensors Based on a Nanolayer of Diamond Like Carbon – Ag Modified with Metalloporphyrins for On-Site Assessment of Patulin in Apple Juice. Journal of the Electrochemical Society. 171(12), 127502. https://doi.org/10.1149/1945-7111/ad97e9 Q1*

A. Participări la conferinţe/workshop-uri

B. ***Popa-Cobianu, M.-L.***, *Stefan-van Staden, R.-I., & Ilie-Mihai, R.-M. (2025). Electroanalysis of Patulin. University Politehnica of Bucharest Scientific Bulletin, 87(4), 000.*

C. ***Popa-Cobianu, M.L.***, *Stefan-van Staden, R. I., Gheorghe, D. C., & Surdu-Bob, C. C. (2025). 2D Disposable Textile Stochastic Sensors Based on Nanolayer of Diamond Like Carbon – Ag Modified with Cyclodextrins for Fast Diagnosis of Hepatitis C. Journal of the Electrochemical Society, 172(4), 047519. https://doi.org/10.1149/1945-7111/adcbe0 Q2*

D. ***Popa-Cobianu, L.M.***, *Stefan-van Staden, R. I., & Gheorghe, D.C. (2025). Stochastic sensing strip for the determination of deoxynivalenol in urine. Analytical Letters, 1–7. https://doi.org/10.1080/00032719.2025.2532159 Q3*

E. ***Popa-Cobianu, L. M.***, *Stefan-van Staden, R. I., & Gheorghe, D.C. (2025). Sensing strips for on-site determination of ochratoxin A in milk and wine. Food Chemistry, 493, 145679. https://doi.org/10.1016/j.foodchem.2025.145679 Q1*

F. *Stefan-van Staden, R. I.,* ***Popa-Cobianu, L.M.****, Gheorghe, D. C., & Surdu-Bob, C. C. (2024). 2D Disposable Textile Stochastic Sensors Based on a Nanolayer of Diamond Like Carbon – Ag Modified with Metalloporphyrins for On-Site Assessment of Patulin in Apple Juice. Journal of the Electrochemical Society. 171(12), 127502. https://doi.org/10.1149/1945-7111/ad97e9 Q1*

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