MEMORIU ȘTIINȚIFIC

Drd. Sandu Andreea-Elena (cas. Dorneanu)

Studii de doctorat

Perioada: 2021-2026

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

Domeniu: Chimie

Titlul tezei de doctorat: Innovative methods for the determination of substances of therapeutic interest from marine sources

Activitate științifică

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

1. Fast analysis of humic acid in mud and water samples
   RI Stefan-van Staden, **AE Sandu Dorneanu**, C Cioates Negut, G Stanciu
   J. Electrochem.Soc., 171, 117515, 2024 Q2, FI = 3.3

2. Disposable electrochemical sensor for determination of humic acid in sapropel and in water samples
   AE Sandu Dorneanu, RI Stefan-van Staden, C Cioates Negut
   UPB Sci Bull, 87(3), 97-102, 2025 Q4, FI = 0.147

3. Determination of estradiol in surface waters and related mud samples
   AE Sandu Dorneanu, RI Stefan-van Staden, C Cioates Negut, G Stanciu, A Dan
   Microchem. J., 214, 114067, 2025 Q1, FI = 5.1

4. Ultrasensitive and fast determination of fulvic acid in sapropel and in the Techirghiol Lake water
   AE Sandu Dorneanu, RI Stefan-van Staden, DC Gheorghe
   Electroanalysis, 37(9), e70050, 2025 Q3, FI = 2.3

5. 2D Disposable stochastic strip for ultrasensitive assay of Pb(II) and Cd(II) in sapropel
   AE Sandu Dorneanu, RI Stefan-van Staden, DC Gheorghe
   Chemosphere, 400, 144902, 2026. Cite score: 21.1

6. Preliminary Screening of Persistent Organic Pollutants in the Water and Sludge of Techirghiol Lake Using GC-ECD
   AE Sandu Dorneanu, RI Stefan-van Staden, G Stanciu, D Danilov, HY Aboul-Enein
   Journal of Environmental Science and Health, Part B, 00, 000, 2026; https://doi.org/10.1080/03601234.2026.2685438 Q4, FI = 1.8

B. Participări la conferințe/workshop-uri

1. Rosca Adrian Comin, **Andreea-Elena Sandu Dorneanu**, Aspecte biofarmaceutice recente privind administrarea medicamentelor pe cale cutanata- **poster**, MED-FARM LAB Galati, Octombrie 06-08.

2. **Andreea-Elena Sandu Dorneanu**, Raluca-Ioana Stefan-van Staden, Catalina Cioates Negut, Gabriela Stanciu, Determination of Estradiol in Sapropel and Water using a New Stochastic Microsensor, - **poster**, 23rd Romanian International Conference on Chemistry and Chemical Engineering Constanța - Mamaia, ROMANIA, September 4 – 7, 2024.

3. **Andreea-Elena Sandu Dorneanu**, Raluca-Ioana van Staden, Catalina Cioates Negut, Gabriela Stanciu, Determination of humic acid in sapropel using a new stochastic sensor – **poster** PN8, INTERNATIONAL CONFERENCE "CHIMIA" 2024, NOMARES Workshop, 30th of May – 1st of June 2024, Constanta, Romania, ISSN 2360-3941, p. 139.

4. **Andreea-Elena Sandu Dorneanu**, Raluca-Ioana van Staden, Catalina Cioates Negut, Gabriela Stanciu, Determination of estradiol and humic acid in sapropel and Techirghiol lake water-**poster**, Eurachem Workshop-Complex Matrices: Applications, Laboratory Standards, and Accreditation, Bucharest, ROMANIA, May 26 – 27, 2025, p. 63.

Student-doctorand

Sandu Andreea-Elena (cas. Dorneanu)