



CURRICULUM VITAE

Name and Surname: ŞEYDA NUR SAMANCI
Academic Title: Research Assistant
Work Address:
Email: nur.samanci@afsu.edu.tr

Degree	Department/Program	University	Year
Doctorate	ANALİTİK KİMYA (DR)	Ankara University	Continues
Bachelor's Degree	Pharmacy	Ankara University	2022

PUBLICATIONS

A. Articles published in international peer-reviewed journals:

- A1.** Samancı Ş. N., Ozcelikay-akyildiz G., Bellur Atici E., Ozkan S. A., "Advanced sensor technologies for niraparib detection: A comparative study of molecularly imprinted polymer and nanosensor systems", *Talanta*, vol. 294, 2025.
- A2.** Samancı Ş. N., Özçelikay Akyıldız G., Kaya S. İ., Özkan S. A., "Recent advancements in novel electrochemical sensors for disease-associated molecule determination", *Journal of Pharmaceutical and Biomedical Analysis Open*, vol. 5, 2025.
- A3.** Isa A., Samancı Ş. N., Kocabay P., Cetinkaya A., Kaya S. I., Ozkan S. A., "Molecularly imprinted micro-extraction of pharmaceuticals in biological samples", *Microchemical Journal*, vol. 212, 2025.
- A4.** Samancı Ş. N., Özçelikay Akyıldız G., Özkan S. A., "A review: electrochemical analysis and application of anticancer drugs with MIP-based sensors and nanosensors", *Essential Chem*, vol. 2, 2025.
- A5.** Samancı Ş. N., Ozcelikay-akyildiz G., Atici E. B., Ozkan S. A., "Electrochemical behaviour and determination of niraparib using glassy carbon and boron-doped diamond electrodes", *Diamond and Related Materials*, vol. 152, 2025.
- A6.** Ozcelikay-akyildiz G., Kaya S. I., Samancı Ş. N., Ozkan S. A., "The Importance and Use of Polydopamine in Molecularly Imprinted Polymer-Based Electrochemical Sensor Design", *Critical Reviews in Analytical Chemistry*, 2025.
- A7.** Samancı Ş. N., Cetinkaya A., Doufene N., Bounoua N., Kaya S. I., Atici E. B., Ozkan S. A., "Electrochemical Determination of Anti-Cancer Drug Pazopanib with High Selectivity and Sensitivity Using Molecularly Imprinted Polymer-Modified Glassy Carbon Electrode", *Journal of the Electrochemical Society*, vol. 171, no. 3, 2024.
- A8.** Kaya S. I., Cetinkaya A., Ozcelikay G., Samancı Ş. N., Ozkan S. A., "Approaches and Challenges for Biosensors for Acute and Chronic Heart Failure", *Biosensors*, vol. 13, no. 2, 2023.

B. Papers presented at international scientific meetings and published in proceedings:

- B1.** Samancı Ş. N., Özçelikay Akyıldız G., Bellur Atici E., Özkan S. A., Evaluation and comparison of two different sensors developed for the PARP inhibitor drug, In: *NANOBALKAN2024 International Conference*, Albania, 2024.
- B2.** Samancı Ş. N., Özçelikay Akyıldız G., Bellur Atici E., Özkan S. A., Development of a Molecular Imprinted Polymer Sensor Designed by Electropolymerization for Anticancer Drug Detection, In: *6th INTERNATIONAL CONGRESS ON BIOSENSORS*, Konya, Türkiye, 2024.
- B3.** Samancı Ş. N., Özçelikay Akyıldız G., Bellur Atici E., Özkan S. A., ZnO/AuNPs Nanocomposite-designed Nanosensor for Highly Sensitive Electrochemical Detection of Niraparib, In: *Workshop on Biosensors and Bioanalytical Microtechniques in Environmental, Food and Clinical Analysis (BBMEC)*, İzmir, Türkiye, 2024.
- B4.** Samancı Ş. N., Özçelikay Akyıldız G., Bellur Atici E., Özkan S. A., Comparison of Bare Glassy Carbon Electrode and ZnO/AuNPs Nanocomposite Designed Nanosensor for Highly Sensitive Electrochemical Detection of Niraparib, In: *13rd Annual Symposium on Physical and Analytical Chemistry*, Georgia, 2024.

B5. Samancı Ş. N., Özçelikay Akyıldız G., Bellur Atici E., Özkan S. A., Electrochemical Investigation of Niraparib: Voltammetric Assay in Human Serum using glassy carbon electrode and boron-doped diamond, In: *12. Drug Chemistry Conference*, Antalya, Türkiye, 2024, pp. 180-180.

B6. Samancı Ş. N., Çetinkaya A., Doufene N., Bounoua N., Kaya S. İ., Bellur Atici E., Özkan S. A., Highly Selective Molecularly Imprinted Polymer-Based Electrochemical Sensor for The Determination of Pazopanib, In: *33rd International Symposium on Pharmaceutical and Biomedical Analysis*, Ankara, Türkiye, 2023, pp. 191-192.

C. National/international books written or chapters in books:

C2. Chapters in national/international books written:

C2.1. Aydoğdu Özdoğan N., Samancı Ş. N., Demir E., "Enhanced Carbon Sensors for Determination of Hormones", *Handbook of Carbon Sensors*, CRC Press, 2025.

C2.2. Aydoğdu Özdoğan N., Samancı Ş. N., Demir E., "Carbon Sensors and Significance", *Handbook of Carbon Sensors*, CRC Press, 2025.