

Advances in detection of antibiotic pollutants in aqueous media using molecular imprinting technique - a review
Ayankojo, Akinrinade George; Reut, Jekaterina; Nguyen, Vu Bao Chau; Boroznjak, Roman; Söritski, Vitali Biosensors 2022 / art. 441 <https://doi.org/10.3390/bios12070441> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Antibiotic-imprinted polymer films prepared by electrochemical approach : towards the development of a label-free chemical sensor

Ayankojo, Akinrinade George; Söritski, Vitali; Tretjakov, Aleksei; Reut, Jekaterina; Öpik, Andres Baltic Polymer Symposium 2014 : programme and abstracts : Laulasmaa, Estonia, September 24-26, 2014 2014 / p. 38
https://www.researchgate.net/publication/290190469_Antibiotic-imprinted_polymer_films_prepared_by_electrochemical_approach_towards_the_development_of_a_label-free_chemical_sensor [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Class-selective molecularly imprinted polymer-based sensor for macrolide antibiotics detection

Ayankojo, Akinrinade George; Nguyen, Vu Bao Chau; Reut, Jekaterina; Öpik, Andres; Söritski, Vitali International Conference on Chemical Sensors : Mátrafüred 2022 2022 / p. 70 https://matrafured.ch/MatrafuredScientificProgram_2022.pdf

Development of a molecularly imprinted polymerbased sensor for electrochemical detection of macrolide antibiotics

Ayankojo, Akinrinade George; Reut, Jekaterina; Öpik, Andres; Söritski, Vitali Baltic Polymer Symposium 2019 : Vilnius, Lithuania, 18-20 September 2019 : programme and proceedings 2019 / p. 43 : ill [Development of a molecularly](#)

Development of antibiotic-imprinted polymer films on the dextran-modified gold surfaces

Tretjakov, Aleksei; Söritski, Vitali; Ayankojo, Akinrinade George; Reut, Jekaterina; Öpik, Andres TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p

Development of MIP sensors for antibiotics

Ayankojo, Akinrinade George; Reut, Jekaterina; Öpik, Andres; Söritski, Vitali The 10th International Conference on Molecular Imprinting, Jerusalem, Israel, June 24-28, 2018 : [abstracts] 2018 / 1 p. : ill <http://events.eventact.com/ProgramView2/Agenda/Lecture?id=175779&code=3608113>

Direct electrochemical sensing of ampicillin in aqueous media by a ruthenium oxide electrode decorated with a molecularly imprinted polymer

Nguyen, Vu Bao Chau; Reut, Jekaterina; Ayankojo, Akinrinade George; Söritski, Vitali Talanta 2025 / art. 127580 <https://doi.org/10.1016/j.talanta.2025.127580>

Electrochemical sensor based on molecularly imprinted polymer for rapid quantitative detection of brain-derived neurotrophic factor

Ayankojo, Akinrinade George; Boroznjak, Roman; Reut, Jekaterina; Tuvikene, Jürgen; Timmusk, Tõnis; Söritski, Vitali Sensors and Actuators B: Chemical 2023 / art. 134656 <https://doi.org/10.1016/j.snb.2023.134656> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Electrochemically synthesized MIP sensors : applications in healthcare diagnostics

Ayankojo, Akinrinade George; Reut, Jekaterina; Söritski, Vitali Biosensors 2024 / art. 71 <https://doi.org/10.3390/bios14020071> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Electrochemically synthesized MIPs for sensor applications in healthcare diagnostics

Ayankojo, Akinrinade George; Reut, Jekaterina; Söritski, Vitali Molecularly imprinted polymers : Computational studies to advanced applications 2025 / p. 167-197 https://doi.org/10.1007/978-3-031-67368-9_6

Electrosynthesized molecularly imprinted polymer films for surface acoustic wave detection of antibiotics

Söritski, Vitali; Tretjakov, Aleksei; Ayankojo, Akinrinade George; Reut, Jekaterina; Öpik, Andres Proceedings of The 8th International Conference on Molecular Imprinting (MIP2014). Session 8 2014 / p. P-015

Enhancing binding properties of imprinted polymers for the detection of small molecules

Ayankojo, Akinrinade George; Reut, Jekaterina; Öpik, Andres; Tretjakov, Aleksei; Söritski, Vitali Proceedings of the Estonian Academy of Sciences 2018 / p. 138-146 : ill <https://doi.org/10.3176/proc.2018.2.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hybrid molecularly imprinted polymer for amoxicillin detection

Ayankojo, Akinrinade George; Reut, Jekaterina; Öpik, Andres; Furchner, Andreas; Söritski, Vitali Biosensors and bioelectronics 2018 / p. 102-107 : ill <https://doi.org/10.1016/j.bios.2018.07.042> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mesoporous molecularly imprinted polymer for label-free detection of a small analyte

Ayankojo, Akinrinade George; Söritski, Vitali; Reut, Jekaterina; Öpik, Andres MIP2016 : the 9th International Conference on Molecular Imprinting : June 26-30, 2016, Elite Hotel Ideon, Lund, Sweden 2016 / p. [214]

MIP-based electrochemical sensor for direct detection of hepatitis C virus via E2 envelope protein

Antipchik, Mariia; Reut, Jekaterina; Ayankojo, Akinrinade George; Öpik, Andres; Söritski, Vitali Talanta 2022 / art. 123737
<https://doi.org/10.1016/j.talanta.2022.123737> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

MIP-based electrochemical sensors detecting antibiotics and fungicides as emerging contaminants in aqueous environments

Nguyen, Vu Bao Chau; Ayankojo, Akinrinade George; Reut, Jekaterina; Söritski, Vitali 11th international workshop on surface modification for chemical and biochemical sensing : program and the book of abstracts 2023 / p. 78

Mitoquinol mesylate alleviates oxidative damage in cirrhotic and advanced hepatocellular carcinogenic rats through mitochondrial protection and antioxidative effects

Sulaimon, Lateef Adegboyega; Adisa, Rahmat Adetutu; Samuel, Titilola A.; Abdulkareem, Fatimah Biade; Ayankojo, Akinrinade George Advances in Redox Research 2021 / art. 100014 <https://doi.org/10.1016/j.arres.2021.100014>

Molecular mechanism of mitoquinol mesylate in mitigating the progression of hepatocellular carcinoma - in silico and in vivo studies

Sulaimon, Lateef Adegboyega; Adisa, Rahmat Adetutu; Samuel, Titilola Aderonke; Joel, Ireoluwa Yinka; Ayankojo, Akinrinade George; Abdulkareem, Fatimah Biade; Olaniyi, Timothy Olajire Journal of Cellular Biochemistry 2021 / p. 1157-1172
<https://doi.org/10.1002/jcb.29937> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Molecularly imprinted co-polymer for class-selective electrochemical detection of macrolide antibiotics in aqueous media

Nguyen, Vu Bao Chau; Ayankojo, Akinrinade George; Reut, Jekaterina; Rappich, Jörg; Furchner, Andreas; Hinrichs, Karsten; Söritski, Vitali Sensors and actuators B : chemical 2023 / art. 132768, 9 p. : ill <https://doi.org/10.1016/j.snb.2022.132768> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Molecularly imprinted polymer based electrochemical sensor for quantitative detection of SARS-CoV-2 spike protein

Ayankojo, Akinrinade George; Boroznjak, Roman; Reut, Jekaterina; Öpik, Andres; Söritski, Vitali Sensors and Actuators B: Chemical 2022 / Art. 131160 <https://doi.org/10.1016/j.snb.2021.131160> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Molecularly imprinted polymer based SPR sensors for label-free detection of antibiotics

Tretjakov, Aleksei; Ayankojo, Akinrinade George; Söritski, Vitali; Reut, Jekaterina; Öpik, Andres Recent Developments in Polymer Synthesis : MACRO 2014 : poster presenta[t]ion 2014 / p. 286

Molecularly imprinted polymer integrated with a Surface Acoustic Wave technique for detection of sulfamethizole

Ayankojo, Akinrinade George; Tretjakov, Aleksei; Reut, Jekaterina; Boroznjak, Roman; Öpik, Andres; Rappich, Jörg; Furchner, Andreas; Hinrichs, Karsten; Söritski, Vitali Analytical chemistry 2016 / p. 1476-1484 : ill
<https://doi.org/10.1021/acs.analchem.5b04735> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Molecularly imprinted polymer-based sensor for electrochemical detection of erythromycin

Ayankojo, Akinrinade George; Reut, Jekaterina; Ciocan, Valeriu; Öpik, Andres; Söritski, Vitali Talanta 2020 / art. 120502, 9 p. : ill <https://doi.org/10.1016/j.talanta.2019.120502> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Molecularly imprinted polymers designed to detect antibiotic pollutants in water = Molekulaarselt jäljendatud polümeerid antibiootikumide määramiseks vesikeskkonnas

Ayankojo, Akinrinade George 2018 <https://digi.lib.ttu.ee/ii/?9952> https://www.ester.ee/record=b5056541*est

Molecularly imprinted poly(meta-phenylenediamine) based QCM sensor for detecting Amoxicillin

Ayankojo, Akinrinade George; Reut, Jekaterina; Boroznjak, Roman; Öpik, Andres; Söritski, Vitali Sensors and actuators B : chemical 2018 / p. 766-774 : ill <https://doi.org/10.1016/j.snb.2017.11.194> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Pharmacological significance of MitoQ in ameliorating mitochondria-related diseases

Sulaimon, Lateef Adegboyega; Afolabi, Lukman Olalekan; Adisa, Rahmat Adetutu; Ayankojo, Akinrinade George; Afolabi, Mariam Olanrewaju; Adewolu, Abiodun Mohammed; Wan, Xiaochun Advances in Redox Research 2022 / art. 100037
<https://doi.org/10.1016/j.arres.2022.100037>

Ruthenium oxide electrode integrated with molecularly imprinted polymer for direct electrochemical sensing of a neurotrophic factor protein

Ayankojo, Akinrinade George; Reut, Jekaterina; Boroznjak, Roman; Söritski, Vitali Sensors and Actuators B: Chemical 2025 / art. 137301 <https://doi.org/10.1016/j.snb.2025.137301>

Sensing small- and macromolecular targets using molecularly imprinted polymers interfaced with saw technology

Söritski, Vitali; Tretjakov, Aleksei; Ayankojo, Akinrinade George; Reut, Jekaterina; Öpik, Andres MIP2016 : the 9th International Conference on Molecular Imprinting : June 26-30, 2016, Elite Hotel Ideon, Lund, Sweden 2016 / p. [74]

Sulfamethizole-imprinted polymer on screen-printed electrodes: Towards the design of a portable environmental sensor
Ayankojo, Akinrinade George; Reut, Jekaterina; Öpik, Andres; Söritski, Vitali Sensors and actuators B. Chemical 2020 / art. 128600, 9 p. : ill <https://doi.org/10.1016/j.snb.2020.128600> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Synthesis techniques in molecular imprinting: From MIP monoliths to MIP films and nanoparticles

Ayankojo, Akinrinade George; Reut, Jekaterina; Söritski, Vitali; Sehit, Ekin; Md Sharifuzzaman; Altintas, Z. Molecularly imprinted polymers : Computational studies to advanced applications 2025 / p. 75-128 https://doi.org/10.1007/978-3-031-67368-9_4

The development of a polymer synthetic receptor for class-selective detection of macrolide antibiotics

Nguyen, Vu Bao Chau; Ayankojo, Akinrinade George; Reut, Jekaterina; Söritski, Vitali Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 42 I. [Graduate School of Functional Materials and Technology \(GSFMT\) Scientific Conference 2022](#)