

GENNADII ARTUROVICH EVTYUGIN

(July 07, 1962 – October 21, 2024)



Gennady Arturovich Evtugin, an outstanding scientist in the field of electroanalytical chemistry, Doctor of Chemical Sciences, Professor, Honored Worker of Education of the Russian Federation, and Head of the Department of Analytical Chemistry at Kazan Federal University, passed away on October 21, 2024.

In 1984, graduated from the Faculty of Chemistry of Kazan State University and entered postgraduate studies. His entire life has been closely connected with Kazan University. In 1987, he defended his PhD dissertation, and in 2000, his doctoral dissertation. Since 1988, he worked as a research fellow and later as a senior research fellow at the Butlerov Research Institute of Chemistry. In 1991, he moved to the Faculty of Ecology, where, since 1994, he worked in the Department of Applied Ecology as an associate professor and later as a professor. For seven years, he held the position of Deputy Dean for Academic Affairs and also served as the academic secretary of the Dissertation Council on Ecology.

Since 2004, Gennady Arturovich worked as a professor in the Department of Analytical Chemistry at the Butlerov Institute of Chemistry, which he headed in 2007. Throughout this time, he successfully combined teaching, research, and administrative activities. He

developed and implemented the first author's specialized courses in biosensor technology in the Russian Federation for undergraduate, specialist, and master's students in chemistry. Gennady Arturovich was the academic supervisor of the master's program "Methods of Analytical Chemistry," actively participated in supervising graduation theses in electrochemical analysis, and worked with school students. He was a remarkable educator, capable of engaging students and explaining complex material in a way that was understandable to audiences with varying levels of preparation. Under his supervision, 18 PhD dissertations in ecology (chemical sciences) and analytical chemistry were successfully defended.

For his outstanding achievements in scientific and pedagogical activities at Kazan Federal University, he was awarded a letter of appreciation from the Rector of Kazan Federal University and a Certificate of Honor (2020), as well as a letter of appreciation from the Ministry of Education and Science of the Republic of Tatarstan for his significant contribution to the development of environmental education and the training of school students (2019).

Gennady Arturovich was one of Russia's leading specialists in electroanalytical chemistry and biosensors. Since 1987, he actively contributed to the development of theoretical and applied foundations for using enzymes and nucleic acids in specialized analytical devices for detecting ecotoxins, toxins, pharmaceuticals, and disease biomarkers. His research focused on chemically modified electrodes, enzymatic and DNA sensors for medical, food, and environmental monitoring. He developed innovative approaches for registering molecular recognition reactions involving synthetic and natural receptors and biologically significant compounds. Additionally, he created numerous voltammetric, potentiometric, and impedimetric sensors based on carbon nanomaterials, electropolymerized materials, and polyelectrolyte complexes. Furthermore, he developed solid-contact potentiometric sensors based on macrocyclic compounds for determining organic acids, metal ions, as well as classifying and assessing the quality of complex composition objects. These research directions align with modern trends in electroanalysis. His studies were supported by numerous international foundations and grants from the Russian Foundation for Basic Research (RFBR) and the Russian Science Foundation (RSF).

For his outstanding contributions to the field of electrochemical biosensors, Gennady Arturovich was awarded the Scientific Council of the Russian Academy of Sciences (RAS) Prize for Analytical Chemistry (2023). His major scientific achievements are documented in numerous monographs and scientific articles. He was included in the list of the world's most cited scientists based on the Scopus database (2022, 2023).

G.A. Evtyugin served as the Chairman of the Electrochemical Analysis Commission, a member of the Bureau and commissions on biochemical analysis methods, pharmaceutical analysis, and the teaching of analytical chemistry under the RAS Scientific Council on Analytical Chemistry. He was also a member of the editorial boards of leading scientific journals (*Journal of Analytical Chemistry*, *Electrochemistry*, *Microchimica Acta*, *Bioelectrochemistry*), as well as an expert and reviewer of scientific articles and projects in various areas of analytical chemistry and other disciplines. He represented the Russian Federation in the European Association for Chemical and Molecular Sciences on behalf of the RAS Scientific Council on Analytical Chemistry. He regularly participated in national and international scientific conferences as a chairman, member of organizing committees, and speaker. His scientific work received high recognition in both Russian and international scientific communities. In

2018 and 2019, Gennady Arturovich was a laureate of the international *Top Peer Reviewers* competition (Publons, Web of Science), ranking among the top 1% of reviewers for scientific journal manuscripts. He was a permanent member of the Dissertation Council on Analytical Chemistry (serving as Deputy Chairman since 2014), a member of the Academic Council of Kazan Federal University, and the Academic Secretary of the Certification Commission of Kazan Federal University.

Gennady Arturovich was a talented scientist and educator, a decent, kind, responsive, and tactful person. His exceptional professionalism, integrity, and dedication to science served as an inspiration for his students and colleagues. Conversations with him brought positive emotions, intellectual stimulation, and insights for further development not only in science but also in life. His passing is an irreparable loss for his family, students, colleagues, and the entire scientific community. The bright memory of Gennady Arturovich Evtyugin will forever remain in the hearts of all who knew and worked with him.

The Department of Analytical Chemistry of Kazan Federal University, the editorial board, the RAS Scientific Council on Analytical Chemistry, and the *Journal of Analytical Chemistry* express their deepest condolences to the family and friends of Gennady Arturovich Evtyugin.