



Anniversary

Anniversary of Professor Aleksandr V. Vvedenskii's anniversary



On April 2, 2026, Aleksandr Viktorovich Vvedenskii, Doctor of Chemical Sciences, Honorary Worker of Higher Professional Education of the Russian Federation, Professor of the Department of Physical Chemistry at the Chemical Faculty of Voronezh State University, turns 80 years old.

Aleksandr Viktorovich's whole life is closely connected with physical chemistry and the problems of electrochemistry, both fundamental and applied. After graduating from the Physics Department of Voronezh State University (VSU) in 1968, he worked his way up from assistant and junior researcher to professor and head of the department. In 1979, he defended his PhD thesis "Mechanism and kinetics of interaction of copper with dilute chloride solutions and desalinated water", specialty 02.00.04 – "Physical

Chemistry", and then in 1994 his doctoral thesis in the same specialty on the topic "Thermodynamics and kinetics of selective dissolution of binary solid solutions", in which he made a significant contribution to the construction of a general theory of alloy dissolution with an analytical description of kinetic patterns. It presented, for the first time, a fairly complete and consistent physico-chemical model of anodic dissolution of a homogeneous alloy. In 1996, Aleksandr Viktorovich was awarded the academic title of professor, and in 1998 he became a member of the International Society of Electrochemistry (ISE). For twenty years, from 2000 to 2019, A. V. Vvedenskii headed the Department of Physical Chemistry at VSU. His outstanding organizational skills and ebullient energy made it possible to create all the necessary conditions for successful scientific and educational work at the department and strengthen cooperation with Russian Academy of Sciences (RAS) institutions and other Russian and foreign universities. Currently, Aleksandr Viktorovich heads a joint laboratory with the Institute of Physical Chemistry and Electrochemistry of the RAS "Coupled processes in Electrochemistry and Metal Corrosion".

Close interaction and collaboration with his teacher, Professor Igor Kirillovich Marshakov, a leading Russian specialist in corrosion, greatly influenced the scientific style and character of A. V. Vvedenskii as a scientist and teacher. Aleksandr Viktorovich is distinguished by his integrity and dedication, and his responsible and creative approach to solving a wide range of scientific and pedagogical problems. Offering new scientific ideas, he takes an active part in their



implementation, setting relevant tasks within the scientific areas of the department and forming original ways to solve them.

The authority of Professor A. V. Vvedenskii in the field of physical chemistry and electrochemistry is widely recognized. His research interests include the kinetics of multistage electrode processes; effects of structural vacancy disequilibrium and chemical composition in the electrochemistry of solid metal solutions and the adsorption of media components; structure of charged interphase boundaries; electrocatalytic reactions on alloys; selective anodic dissolution of alloys complicated by the formation of insoluble compounds; transient methods of electrochemical research; photoelectrochemistry; quantum chemical modeling of adsorption processes. The results of his research are presented in several monographs, as well as in more than 700 scientific papers. They have been discussed at numerous international and All-Russian conferences and symposiums, and have repeatedly received grant support from various Russian and international foundations.

Throughout the 56 years of his scientific and teaching activities, Aleksandr Viktorovich has paid great attention to the training of specialists in the field of physical chemistry and electrochemistry. During various periods of his work at the department, A. V. Vvedenskii has given lectures at a high professional level on the courses "Physical Chemistry", "Fundamentals of Electrochemistry", "Kinetics of electrochemical

processes", "Physico-chemistry of adsorption processes", and "Actual problems of physical chemistry". He is an active supporter of the implementation of scientific and applied research results in the educational process. Professor A. V. Vvedenskii was the supervisor, consultant, and mentor of more than 20 graduate students and applicants who became candidates and doctors of sciences. Currently, he heads the leading scientific and pedagogical school of the VSU "Electrochemistry and Corrosion of Metals and Alloys".

For many years, Aleksandr Viktorovich has been Chairman of the Dissertation Council 24.2.288.04 (formerly – D212.038.08) in chemical sciences, a member of the editorial board of the Russian scientific journal "Condensed Media and Interphase Boundaries", the editorial board of the scientific journal "Bulletin of Perm University. Series: Chemistry", Dissertation Council 24.2.408.02 (previously – D 212.260.06, Tambov), and the Scientific Council on Physical Chemistry of the Russian Academy of Sciences.

Aleksandr Viktorovich's dedication to his beloved work, his heightened sense of responsibility, exactingness, correctness, and tact are highly appreciated by students, graduate students, and colleagues.

Dear Aleksandr Viktorovich, we wish you good health, new creative ideas and success in solving complex electrochemical problems. Have a long and happy life!

*Students, colleagues, and friends,
Editorial Board of Condensed Matter and Interphases*