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**CONTRIBUTION OF UKRAINIAN SCIENTISTS IN THE BECOMING
AND DEVELOPMENT OF NITROGEN INDUSTRY
IN THE TWENTIETH CENTURY**

Summary

The origin of wide scientific research in the field of chemical technology of bound nitrogen in Ukraine in the 30-90s of the 20th century is highlighted. The role of science and technology in the production of nitrogen-bound products, the progress of the chemical industry, the importance of scientific research for researchers in the development of bound nitrogen technology are analyzed.

Using a comprehensive approach and modern research methodology, it is possible to identify and elucidate in detail the way of life and contribution of Ukrainian scientists to the development of chemical science and technology of the nitrogen industry. Show the complexity of carrying out scientific researches using high pressure and temperature, harmful components of the chemical process, use of many physico-chemical methods of analysis of the components of the process and mathematical models of reaction mechanisms.

The life path and significant contribution to the development of chemical science and technology of well-known representatives of the nitric industry of Ukraine by the scientists I. E. Adadurov, V. I. Atroshchenka, A. N. Tseitlina, V. I. Konvisar, A. Ya. Lobjka, V. M. Kauta, A. S. Savenkova, N. F. Kleshcheva, A. V. Shapki, G. I. Grinya, M. I. Vorozhbian, V. I. Sozontov, V. V. Kazakova and others are considered in detail. Showing, that the scientific contribution of these scientists is little known in Ukraine, since their research and development was of a closed nature and did not fit the publication in open scientific journals and books. Today, after 30-50 years of secrecy, it is possible to return forgotten names and facts to some extent to historical reality, to a wide range of scientists.

The conducted analysis and search allowed to find out the main stages of formation of scientific researches and their leaders at each stage of development, as well as the personal composition of leading scientists in the field of technology of bound nitrogen in the 30-90th years of the twentieth century. in Ukraine.

The basic directions of scientific researches of the scientists from 20-30-s to 90-s of the XX-th century were established. It was shown that important researches of scientists in the field of nitric acid technology were the study of contact oxidation of ammonia and absorption of nitrogen oxides under pressure, the development and research of platinum and nonplatinic catalysts, the technology of complex chemical compounds of bound nitrogen, the utilization of multicomponent substances on the basis of concentrated nitric acid, preparation and regeneration of heterogeneous catalysts using ultrasound radiation and others.

Key words: *scientists, activity, life path, development, technology, implementation, achievements.*