

MIKHAIL IVANOVICH GORYAEV

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On October 1, 1974, Honored Scientist and Technician of the Kazakh SSR, Academician of the Academy of Sciences of the Kazakh SSR, Doctor of Technical Sciences, Professor Mikhail Ivanovich Goryaev became 70 years old and completed 50 years of scientific teaching and social activity.

The scientific and teaching activity of Mikhail Ivanovich began at Perm State University and in the Leningrad Institute of Chemical Technology of Dairy Industry Engineers. During this time he published a number of valuable papers on the biochemistry of milk and milk products which have had great theoretical and practical importance. In 1934, Goryaev was awarded the degree of Candidate of Chemical Sciences without defending a dissertation, and in 1944 he defended his doctoral dissertation.

Since 1938, the scientific and teaching activity of Mikhail Ivanovich has been indissolubly connected with the development of the higher scientific establishments, scientific-research institutes, and the industry of Kazakhstan.

M. I. Goryaev is one of the founders of the Academy of Sciences of the Kazakh SSR. He is the first deputy chairman of the branch of the Academy of Sciences of the Kazakh SSR and simultaneously director of the Institute of Metallurgical Chemistry. In 1946 he was elected Academician of the Academy of Sciences of the Kazakh SSR and appointed the first vice-president. He worked in this post until 1955. Recently, M. I. Goryaev has directed the Division of Natural and Physiologically Active Substances of the Institute of Chemical Sciences of the Academy of Sciences of the Kazakh SSR.

In the Institute of Chemical Sciences, Mikhail Ivanovich has created laboratories of



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plant chemistry, hydrolysis, and alkaloids which have become important scientific centers not only of Kazakhstan but of the whole country.

The main problems that occupy M. I. Goryaev are the study of the essential oils of the flora of Kazakhstan and of Central Asia and the recommendation of their use in the national economy of the country, and the study of the industrial essential oils of Georgia, the Ukraine, and Khirgizia and the perfection of their production. The results of numerous investigations in this field have been summarized by him in a number of monographs and more than 200 papers.

The range of scientific questions in the development of which Mikhail Ivanovich has participated is a wide one. Under his direction not only the investigation of natural compounds and the synthesis of physiologically active substances based on them but also the study of enzymes, surfactants, the conditions for the hydrolysis of plant wastes, the synthesis of food films and drugs, etc., have been performed.

Many of the results of M. I. Goryaev's investigations are used in practice: a method of extracting the essential oil of the laurel has been introduced into the essential-oil factories of Georgia, a method for increasing the amount of menthol in mint oil has been developed and introduced in Khirgizia and is undergoing a semiindustrial trial in a factory in Krasnodar territory, the use of the paraffin waxes of Mangyshlak petroleum for the production of food yeasts has been proposed, and a method for obtaining dry fat for combined feeds has been developed.

In the field of the chemicalization of agriculture, new growth substances have been recommended. Trials have been performed under M. I. Goryaev's direction in many scientific-research institutes of the country. At the present time, more than 20 factories in the country are performing experimental and semiindustrial trials of his work.

Mikhail Ivanovich is the author of 28 monographs and popular scientific books, more than 600 other scientific investigations, and 70 Author's Certificates for inventions. He has prepared 53 Candidates and three Doctors of science.

The scientific-research and scientific-organizational work of M. I. Goryaev is accompanied by great social activity. He was elected deputy of the Alma-Ata town Soviet, is president of the Republican Methodological Soviet of Chemical Buildings, has been a member of the Party Bureau of the Institute for the last 10 years and is a member of the Union and Republican Scientific and Technical Soviets.

The successful and fruitful scientific-research, scientific-organizational, and social activity of M. I. Goryaev has been recognized by the Orders of Lenin, of the Red Banner of Labor, and Marks of Esteem, and many certificates of the Supreme Council of the Kazakh SSR, and he has been granted the title of Honored Scientist of the Kazakh SSR.

In marking this glorious date — his 70th birthday — from our whole heart we wish Mikhail Ivanovich robust health and further fruitful activity directed to the development of Soviet science.