

Information about A.N. Planovsky

A.N. Planovsky - Doctor of Technical Sciences, Professor, Honored Worker of Science and Technology of the Russian Federation, one of the largest specialists in the field of processes and devices of chemical technology.

His scientific activities are distinguished by great creative achievements in various areas of processes and apparatus: in chemical processes; in mass transfer processes - rectification, absorption, liquid extraction, drying, adsorption, extraction from the solid phase, membrane separation methods, ion exchange; in thermal processes: evaporation and condensation; in hydromechanical processes: sedimentation, filtration, mixing in liquid media, fluidization, mixing of bulk materials; in mechanical processes: grinding and classifying dispersed materials.

The scientific school of A.N. Planovsky has more than twenty doctors of sciences and one and a half hundred candidates of sciences.

The role of scientific works by A.N. Planovsky in the organization of **continuous production** - both in chemical processes and in the design of mass transfer equipment, he was **the first** to propose to subdivide devices of continuous action into devices of ideal displacement, complete mixing and devices of an intermediate type, which was of great methodological importance.

An in-depth analysis of physical phenomena in the mass transfer processes taking place in the column apparatus served as the basis for the development of high-performance apparatus and methods for their calculation.

A.N. Planovsky in co-authorship made a discovery registered in the State Register of Discoveries of the USSR on March 21, 1974. with priority of 6th July 1949.

During the Great Patriotic War A.N. Planovsky took an active part in organizing the development of the **production of materials necessary for the country's defense**.

Since 1953 to 1978 A.N. Planovsky headed the Department of Processes and Devices of Chemical Technology of the Moscow Institute of Chemical Engineering.

Textbooks and teaching aids by A.N. Planovsky, known in our country and abroad (translated into English and Chinese), continue to form deep engineering knowledge of students of many higher educational institutions.

A.N. Planovsky was not only an outstanding scientist, but also a statesman who worked in responsible posts. In February 1947. he was appointed head of the Technical Department of the Ministry of Chemical Industry. In 1948 he was transferred to the State Committee of the Council of Ministers "Gostekhnika USSR". In 1951. by order of I.V. Stalin A.N. Planovsky was transferred to the Ministry of the Oil Industry as the first deputy chairman of the Scientific and Technical Council for oil refining and production of artificial liquid fuel.

In 1955 A.N. Planovsky was transferred to the Civil Code of the USSR Council of Ministers on new technology as a member of the Committee and head of the science and technology department of the chemical and oil industries. Since 1957 A.N. Planovsky member of the State Scientific and Technical Committee of the USSR and chief specialist in petrochemistry.

Along with the head of the department and work in leading positions in the Central Office of Industry A.N. Planovsky was actively involved in scientific and organizational work. Since 1949 for more than 15 years, he was chairman and then deputy chairman of the chemistry and chemical technology section of the Higher Attestation Commission for the awarding of academic degrees and the award of academic titles of the Council of Ministers of the USSR.

From 1956 to 1979 A.N. Planovsky was deputy chairman of the section of chemistry and chemical technology of the Committee for Lenin Prizes in Science and Technology under the Council of Ministers of the USSR. For many years he was also a member of the Council of State Expertise of the USSR State Construction Committee.

A.N. Planovsky was deputy chairman of the scientific council "Theoretical Foundations of Chemical Technology" at the Department of Physicochemistry and Technology of Inorganic Substances of the Academy of Sciences of the USSR, Chairman of the section "Processes and Apparatuses" of the Moscow Branch of Mendeleev All-Union Chemical Society, head of the seminar on heat and mass transfer processes of chemical technology of the Scientific Council on the problem of "Heat and mass transfer" at the State Committee on Science and Technology (SCST) under the Council of Ministers of the USSR, a member of the editorial board of the academic journal "Theoretical Foundations of Chemical Technology".