

F. A. KUZNETSOV (on his 60th birthday)



Dear Fedor Andreevich

The Presidium of the Russian Academy of Sciences, Branch of General and Technical Chemistry, the Novosibirsk Institute of Inorganic Chemistry, and the Editorial Board and Editor's Office of the journal *Izvestiya Akademii Nauk, Seriya Khimicheskaya* warmly congratulate you on your 60th birthday.

You are one of the leading specialists in our country and abroad in the field of the development of the scientific principles of the creation of materials for microelectronics technology, quantitative methods for analysis of inorganic materials, multicomponent systems for growth of crystals and layers from gas phases, and the theoretical principles and methodology of thermodynamic modeling of processes for synthesis of such materials and structures. You have developed original approaches and carried out extensive research on the synthesis of multilayer solid-state structures based on silicon and $A^{III}B^V$ - and $A^{II}B^{VI}$ -type compounds and the interrelation of their electric properties, crystal structure, composition, and spatial distribution of impurities in layers. With wide use of mathematical methods and computers, you have created a methodology for quantitative characterization of processes for synthesis of inorganic structures.

Characteristic of your work are general approaches to solution of scientific problems and a close relation between thorough fundamental research and development of new technological processes and equipment in the interests of the electronics industry.

You combine scientific research with pedagogical activity at Novosibirsk State University, where you head a department. For a long time, you have been Director of the Novosibirsk Institute of Inorganic Chemistry, Chairman of the Scientific Council on Physicochemical Principles of Semiconductor Materials Science, the Editor-in-Chief of the journal *Izvestiya Sibirskogo Otdeleniya Rossiiskoi Akademii Nauk*, and a member of the editorial boards of a number of foreign journals. You are active in international scientific organizations (IUPAC, CODATA, the Asian-Pacific Society of Advanced Materials, etc.).

Your scientific achievements have been awarded the State Prize and other honors.

We wish you, dear Fedor Andreevich, long years of life, health, happiness, and new scientific achievements.

Translated from *Izvestiya Akademii Nauk, Seriya Khimicheskaya*, No. 9, pp. 1962-1963, September, 1992.