

## IN MEMORY OF ARKADY B. TSEPELEV

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On March 22, 2021, at the age of 72, Arkady Borisovich Tsepelev, Doctor of Physical and Mathematical Sciences, a full member of the Russian Academy of Natural Sciences, professor, leading researcher at the A.A. Baikov Institute of Metallurgy and Materials Science (IMET) RAS, member of the Academic Council of IMET RAS, professor of the Moscow Engineering Physics Institute (National Research Nuclear University), specialist in the field of solid state physics and radiation and space materials science died suddenly.

Arkady Borisovich was born on October 08, 1949 in Engels, Saratov Region, in the family of an aviation colonel of the Soviet Army. In 1966, after graduating from high school, he entered the Voronezh Polytechnic Institute at the Faculty of Physics and Technology, from which he graduated in 1971, receiving a diploma with honors as an engineer in metallurgical physics.

From 1971 to 1973, he studied at the graduate school at the A.A. Baykov Institute of Metallurgy of the Academy of Sciences of the USSR, and since 1974 he was assigned to work at this institute, in which he went from an engineer to a leading researcher.

In 1983, Arkady Borisovich defended his Ph.D. thesis on "The role of radiation-stimulated processes

in changing the mechanical properties of stainless steels", and in 2001 - his doctoral thesis on "Dynamic change in mechanical properties in metallic materials under cyclic irradiation".

The main direction of his scientific research throughout his scientific career was associated with radiation physics of solids. The research results were repeatedly reported at the largest international and domestic scientific forums, in many of which he took part not only as a speaker, but also as a member of the Program and Organizing Committees. Arkady Borisovich has published more than 200 printed scientific papers in leading scientific journals in our country and for abroad.

Along with extensive research activities, Arkady Borisovich Tsepelev constantly conducted various scientific and organizational work as a scientific secretary of the Scientific Council for New Structural Materials of the Russian Academy of Sciences, a member of the editorial boards of the RAS journals "Physics and Chemistry of Materials Processing" and "Perspective Materials", as well as their executive secretary and deputy editor-in-chief. He was also a member of the editorial board of RENSIT journal and an active reviewer.

Since 2008, Arkady Borisovich Tsepelev has combined work at the Russian Academy of Sciences with teaching at the Moscow Engineering Physics Institute (National Research Nuclear University), lectured and taught practical classes on the course "Radiation-stimulated processes in solids and nanomaterials".

In 2019, Arkady Borisovich Tsepelev was elected a corresponding member of the Russian Academy of Natural Sciences, and in 2020 he was elected a full member of the Russian Academy of Natural Sciences in the Department of Radioelectronics, Nanophysics and Information Technologies Problems.

The bright memory of Arkady Borisovich Tsepelev, a remarkable scientist and teacher, a man of the highest moral qualities, will forever remain in the hearts of all his friends and colleagues.

**RENSIT journal editorial board**