

INTRODUCTION

The journal *Teoreticheskaya i Éksperimental'naya Khimiya* (Theoretical and Experimental Chemistry) publishes current scientific articles on the physicochemical basis for the creation of new nanostructures and functional nanomaterials as well as on fundamental problems in nanochemistry in accord with modern trends in the physical chemistry of molecular materials science. Research is now underway in these areas at the National Academy of Sciences of Ukraine supported by a number of directed joint basic research programs. The most prominent of these are the programs on New Functional Compounds and Materials of Chemical Production and Fundamental Problems in the Creation of New Nanomaterials and Nanotechnologies.

In the present issue of the journal *Teoreticheskaya i Éksperimental'naya Khimiya*, articles are presented on the creation of nanosystems and derived nanocomposites mostly carried out with the support of these directed joint programs of the National Academy of Sciences of Ukraine. The selection of articles for this issue was made by the assistant director of the scientific council of the program New Functional Compounds and Materials of Chemical Production, Prof. V. V. Pavlishchuk.

Editor-in-Chief of the Journal
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