

Foreword

This is a special issue entirely dedicated to the proceedings of the International Symposium «Fundamental Bases of Mechanochemical Technologies». Today mechanochemistry is not longer considered as an unusual and sometimes mysterious area of the academic science. A series of international conferences are dealing entirely with mechanochemistry or it occupies substantial place in their programs. The use of mechanochemistry and mechanical activation in the adjacent areas of science and technology is growing broader, including materials science, synthesis of catalysts, pharmacy, *etc.* Mechanochemistry has got a chance to become the basis on which progressive ecologically pure technologies of the nearest future will be developed. This hope is a full reason of the attention of our Journal to this problem.

The International Symposium that was held in Novosibirsk has been the first attempt to

build up a bridge between investigations into mechanochemical effects themselves and their technological applications, both actual and potential. This is an extremely important aspect of the interaction between academic science and industry. Technologists must get a good understanding of the effects that form the grounds of the application of mechanical activation in real processes.

The present double issue has been prepared for publication as edited by V. V. Boldyrev, Academician of the RAS, one of the creators of mechanochemistry as a self-consistent branch of the solid state chemistry. The issue includes about a half of communications delivered at the Symposium. Diversity and valuable results of these works ensure optimistic hope that Russian scientists will not lose their leading positions in this lively and advancing area of modern solid state chemistry.

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