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ALL-RUSSIAN SCIENTIFIC CONFERENCE ON "THEORETICAL AND EXPERIMENTAL INVESTIGATIONS OF SYNTHESIS, MODIFICATION AND POLYMER TREATMENT PROCESS"

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All-Russian Scientific Conference on "Theoretical and Experimental Investigations of Synthesis, Modification and Polymer Treatment Process" was held in Bashkirian State University (Ufa) in the period of October 2–5, 2013. This conference was organized by the Ministry of Education and Science of Russian Federation and Bashkirian State University (BSU).

The conference was devoted to the 50th anniversary of the BSU Chemical Faculty. Prof. A.A. Berlin (Academician of Russian Academy of Sciences, Director of N.N. Semenov Institute of Chemical Physics RAS) was the Chairman of the conference. Prof. V.V. Lunin (Dean of the Chemistry Department of the Moscow State University), Prof. M.S. Yunusov (Director of Institute of Organic Chemistry of the Ufa Scientific Center RAS), Prof. U.M. Jemilev (Director of Institute of Petrochemistry and Catalysis RAS), Dr. V.P. Zakharov (Chemistry Department BSU), Prof. G.E. Zaikov (the Head of Polymer Division of N.M. Emanuel Institute of Biochemical Physics RAS), Prof. R.Ya. Deberdeev (Advisor to the Rector of Kazan National Research Technological University) and Prof. S.V. Kolesov (the Head of Macromolecular compounds Division of Institute of Organic Chemistry of the Ufa Scientific Center RAS) were the members of Scientific Committee of this conference.

Prof. R.M. Akhmetkhanov (Dean of the Chemical faculty BSU) was the Chairman of the Organizing Committee. The Chemistry Department staff (Yu.A. Prochukhan, E.I. Kulish, M.V. Bazunova, Yu.S. Zimin and R.F. Talipov) were the members of the Organizing Committee.

The program of the conference included 8 plenary lectures and 5 sessions. Prof. R.M. Akhmetkhanov and Prof. V.P. Zakharov greeted the conference. The scientists from different research centers of Russia took part in the opening ceremony of the conference. They spoke especially about the great contributions of well-known scientists of BSU such as Prof. S.R. Rafikov, Prof. Yu.B. Monakov, Prof. G.A. Tolstikov and Prof. K.S. Minsker.

The first plenary lecture "Molecular-dynamic modelling of the process of the solid polymers melting, vitrifying and plastic deformation" was reported by Prof. A.A. Berlin. Prof. G.E. Zaikov gave the presentation about kinetics in chemistry, physic, biology, medicine and agriculture. The lecture of Prof. S.V. Kolesov was devoted to polymer nanoparticles as drug deliveries.

Prof. T.R. Deberdeev spoke about process of formation of epoxyamines polymers topological structure and Prof. S.I. Spivak (BSU) discussed polymerization kinetic model.

The last three plenary lectures were devoted to the polymer nanocomposites on the base of polyaryleneftalyd (Prof. V.A. Kraikin, Institute of Organic Chemistry of the Ufa Scientific Center RAS), use of computer modeling for the antiflogistic drugs development (Dr. V.R. Khairullin, BSU) and the role of the classic university education in macromolecular chemistry professional training (Dr. M.V. Bazunova).

The program of the conference also included 5 sessions:

- Synthesis and Modification of Polymers (50 presentations);
- Structure and Properties of Natural and Synthetic Macromolecular Compounds (20 presentations);
- Processing of Macromolecular Compounds (6 presentations);
- Novel Polymer Materials in Petrochemistry, Nanoelectronics and Medicine (20 presentations);
- Methodological Issues of Macromolecular Chemistry Professional Training (8 presentations).

About 350 participants from 67 research centers of Russia and former Soviet republics took part in this conference.

The extensive discussions which were held during this conference would contribute to the development of polymer composites. Also some preliminary agreements on joint research were signed during this conference.

The conference concluding documents contains the most important results of this meeting in the field of macromolecular compounds and polymer composite materials.