

THE INTERNATIONAL CONFERENCE DEDICATED TO THE 50TH ANNIVERSARY FROM THE FOUNDATION OF THE INSTITUTE OF CHEMISTRY OF THE ACADEMY OF SCIENCES OF MOLDOVA

On behalf of the organizing committee We would like to welcome you, the participants of the International Conference dedicated to the 50th anniversary of the foundation of the Institute of Chemistry of the Academy of Sciences of Moldova. This conference is organized with the active assistance of the Supreme Council for Science and Technological Development of Academy of Sciences of Moldova, the Department of Natural and Life Sciences of the Academy of Sciences of Moldova and the Institute of Chemistry of the Academy of Sciences of Moldova. We wish you a pleasant and useful stay in the capital of our country, Chişinău.

Though not very numerous, the researchers of the Institute of Chemistry perform investigations in many branches of contemporary chemistry: inorganic and bioinorganic, analytical and ecological, organic and bioorganic, physical and quantum chemistry. Certain directions have been, and are being developed and certain well-known scientific schools have been founded. Fundamental research of great importance is carried out, as well as applied investigations, which are of importance for the economy of our country. There are many such issues, but two of them are, perhaps, the most important, and I would like to mention them here. Moldova has no mineral resources, it is an agricultural country. A lot of by-products and different waste are accumulated annually during crop harvesting and processing of agricultural raw materials. These so-called *second raw materials* should be chemically investigated, due to the fact that useful chemical products may be isolated which could be starting substances for the synthesis of compounds with potential utilization in food industry, in perfumery and cosmetics, in medicine, in tobacco industry and agriculture.

Another important issue to be solved is the problem of limited water resources, which persists in Moldova due to the fact that many aquatic resources are not suitable for drinking because of the high content of undesirable chemical compounds (fluorine containing compounds, iron salts, hydrogen sulfide, etc.). Methods should be developed for purification of such waters, as well as of waste waters.

We would like to evidence that a significant progress was achieved during the last two years in our science. The Institute obtained essential financial support for acquisition of expensive spectral equipment (NMR, IR, UV-Vis spectrometers), elemental analyzer, digital polarimeter etc., for materials and access to information. In 2006, the Institute began publishing the Chemistry Journal of Moldova.

We are very interested in multilateral collaborations with our foreign colleagues, we are eager to do joint research, and we hope for more opportunities for our young specialists for joint participation in different international programs and fellowships. Let's hope that this conference will also contribute to the establishment of new relationships and agreements of scientific collaborations.

We would like to wish good luck and successful results to all participants of the conference.

The Organizing Committee