

## Preface

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This volume contains the contributed papers presented at the IV All-Polish Conference on Radiochemistry and Nuclear Chemistry which was held in Kraków–Przegorzały, Poland, on May 9–11, 2005. For the first time the Conference was co-organized by two nuclear institutes operating in Poland, because the former (held at Kazimierz Dolny) were organized solely by the Institute of Nuclear Chemistry and Technology.

There were eighty two registered participants and one invited guest from the University of Zurich (Switzerland). During three working days of the Conference, the three plenary sessions were held. At the first session, two invited speakers gave review talks on the trends in radiochemistry at the beginning of the 21st century (Prof. Jerzy Narbutt) and on the present status of the technetium and rhenium radiopharmacy (Prof. Roger Alberto, Zurich). Participants of the Conference heard out twenty five short oral presentations and discussed the topics at the poster session in front of fifty one posters. The contributions and posters, which were referred and accepted by the Scientific

Committee (Chairman: Prof. Jerzy W. Mietelski), can be classified in the following topical groups:

- chemistry of radioactive elements,
- isotopic effects,
- radioanalytical methods,
- radionuclides in the environment,
- radiopharmaceuticals,
- radionuclides in the investigations of chemical reactions,
- application of nuclear methods in studies and conservation of works of art.

Abstracts of all presentations submitted to the Conference were published in the proceedings (ISBN-83-909690-4-2) and distributed to the participants. Full papers, delivered to the Organizing Committee during and shortly after the Conference, were submitted for publication in *Nukleonika*. All the contributed papers, reviewed and accepted for publication, are presented in this issue. It is suggested that all detailed questions concerning particular papers should be sent directly to the indicated authors or co-authors.



**Photo 1.** Prof. Alberto (Switzerland) presents his invited lecture on the radiopharmaceuticals. (Photo E. Gniazdowska)



**Photo 2.** Guest House of the Jagiellonian University – place of the Conference.

As previous meetings, the Conference appeared to be a good occasion to establish new contacts and to add a number of new activities related to the broad spectrum of topics within the interest of the participants.

Social programme of the Conference consisted of a night-visit to the Collegium Maius of the Jagiellonian University (connected with a welcome reception and

a short concert of chamber music presented by Maria Skiba – vocalist and Wojciech Kogut – accompaniment) and of a grill reception.

Members of the Organizing Committee wish to express their deep thanks to Mrs. Maria Tuteja-Krysa, Mrs. Zofia Ryglewicz, Mr. Marcin Stobiński and Mr. Paweł Dziewoński for fruitful collaboration.