



## Preface

## In honor of the 70th birthday of Professor Roman Kaliszan

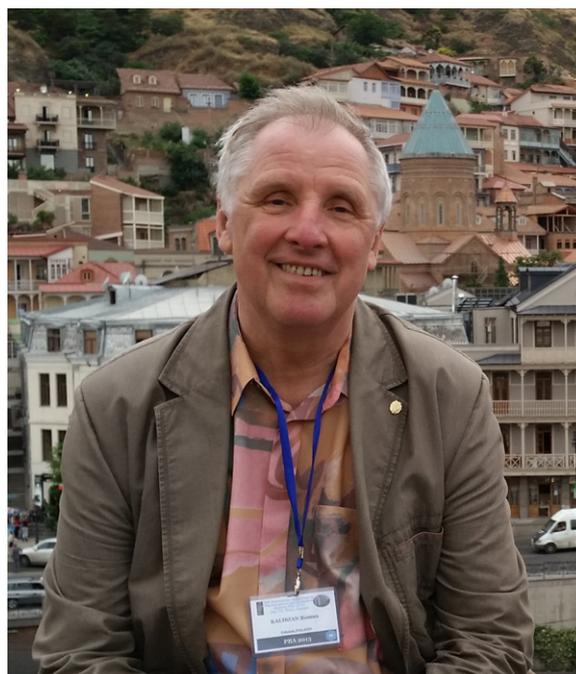


It is my remarkable personal pleasure and simultaneously great honor and privilege to serve as the guest editor of the special issue of the *Journal of Pharmaceutical and Biomedical Analysis* dedicated to one of the most exceptional Polish scientist, member of the editorial advisory board of the Journal, Professor Roman Kaliszan on the occasion of his 70th birthday.

Roman Kaliszan graduated from the Medical University of Gdańsk, Pharmaceutical Faculty in 1968 and five years later from the University of Gdańsk in Physics. Since then his professional career was associated with his Alma Mater through both Ph.D. (1975) and D.Sc. (1982), full Professorship since 1990 and distinguished functions of Vice-Rector (1999–2005) and Rector (2005–2008).

Professor Kaliszan built his scientific position as a pioneer of Quantitative Structure-Retention Relationships (QSRR), an original research field within the chemometrics. Two first papers which can be classified as initiating QSRR appeared at the same time in 1977: one by R. Kaliszan in *Chromatographia* and second by I. Michotte and D.L. Massart in *Journal of Pharmaceutical Sciences*. Soon after that, QSRR became a rapidly developing research topic with numerous important publications by Professor Kaliszan and his co-workers. In original reports by Professor Kaliszan the QSRR were demonstrated, as later confirmed by many other researchers, to provide information on the chromatographed analytes, which could be of use for medicinal chemistry and molecular pharmacology, along with information of fundamental chemical nature and that of practical use for optimization of conditions of chromatographic separations. In 1987 a book by R. Kaliszan “Quantitative Structure-Chromatographic Retention Relationships” has been published by John Wiley & Sons, the first comprehensive monograph in this scientific area, and it became “a classic” for researchers and postgraduate students all over the world. State of the art was summarized by Professor Kaliszan in his second book “Structure and Retention in Chromatography: A Chemometric Approach”, Harwood Academic Publishers, Amsterdam 1997. Beside this exceptional achievement, Professor Kaliszan initiated the study on pH gradient mode in RP-HPLC. He is also involved in all aspects of biomedical and pharmaceutical analysis especially with the use of chromatographic techniques as well as advanced chemometric calculations.

Among many other prizes and awards Professor Kaliszan is a Full Member of the Polish Academy of Sciences (PAN) since 1998, Member of the ScanBalt Academy since 2006, Foreign Member of the Academy of Sciences and Arts of Vojvodina, Serbia, (VANU) since



**Figure 1.** Professor Roman Kaliszan during 26th International Symposium on Pharmaceutical and Biomedical Analysis held in Tbilisi, Georgia, in July 2015.

2010, Foreign Member of the National Scientific Qualification Committee (ANVUR) of Italy since 2012, honorary doctor of the Medical University of Poznań, Poland (2012).

Professor Roman Kaliszan during his scientific explorations joined, for short and long term stays, eminent scientists from many international research institutions from U.K., USA, Canada, Japan and Europe, including Prof. John H. Knox of University of Edinburgh, Prof. Richard A. Hartwick of the Rutgers State University of New Jersey, Prof. Irving W. Wainer of McGill University, Montreal, Dr. Lloyd R. Snyder of LC Resources, California, Dr. Henk A. Claessens of Technical University of Eindhoven, Prof. Tibor Cserhati of Hungarian Academy of Sciences, Prof. Yvan Vander Heyden of the Free University of Brussels, Prof. Nobuo Tanaka of the Kyoto Institute of Technology, Prof. Pavel Jandera of Technical University of Pardubice and others.

Professor Roman Kaliszan's scientific achievements have their source in his profound passion to science, which he spreads and shares with students, his co-workers and numerous researchers, not only by publishing books and articles, but also by fertilizing, argumentative and objective discussions during conferences and symposia. This special issue of JPBA is also an opportunity to congratulate Professor Kaliszan on the occasion of his 70th birthday and to wish him next intriguing research results, energy for a long lasting scientific activity and time to enjoy Professor's most appreciated hobbies, literature and art [Figure 1](#).

I would like to thank all the authors of this special issue of JPBA, mostly Professor Kaliszan's friends and numerous pupils, as well as reviewers and especially one of the Editors of the Journal, dr. Ruin Moaddel, together with the team from Elsevier for their invaluable and excellent support.

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