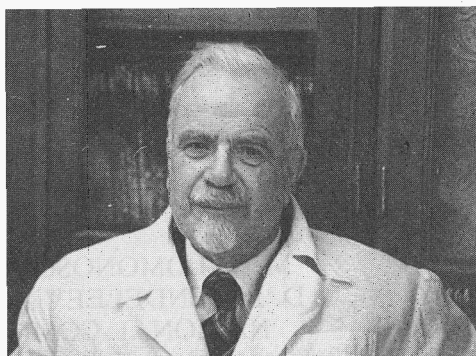


Preface

The International Symposium on Surface Chemistry, Adsorption and Chromatography, dedicated to the memory of A.V. Kiselev, took place in Moscow, November 13-17, 1988. It was organized by the Scientific Council on Chromatography of the Academy of Sciences of the USSR, the Institute of Physical Chemistry of the Academy of Sciences of the USSR and the M.V. Lomonosov Moscow State University and was sponsored by International Union of Pure and Applied Chemistry (IUPAC).

About 250 scientists from 23 countries attended the Symposium, 43 lectures were presented by leading scientists in the fields of adsorption and chromatography. Altogether 119 posters on two topics were presented: (i) adsorption, surface chemistry and structure of adsorbents—71; and (ii) chromatography — 48.



Andrej V. Kiselev
1908 - 1984

Invited lectures on the following topics were presented:

1. Investigations on general aspects of adsorption and chromatography [K.S.W. Sing (UK); M.M. Dubinin (USSR); A.I. Rusanov (USSR); D.P. Poshkus (USSR); O. Kadlec (Czechoslovakia); J. Kärger (GDR); R.A. Pierotti (USA); A.A. Lopatkin (USSR); A.L. Mayers (USA); B.V. Deryagin (USSR); N.V. Churaev (USSR)].
2. Investigations concerning the problems of adsorption on heterogeneous surface performed by computer simulation method [W. Steele (USA); V.A. Bakaev (USSR)].
3. Investigation of porous structure of various adsorbents by different methods [D.H. Everett (UK); R.M. Barrer (UK); F. Rodriguez-Reinoso (Spain); V.A. Davankov (USSR); S. Kondo (Japan); A.P. Karnaukhov (USSR); J.D.F. Ramsay (UK)].
4. Determination of thermodynamic characteristics of adsorption by means of calorimetry and chromatography [J.F.K. Huber (Austria); C. Vidal-Madjar (France); N.A. Katsonos (Greece); J. Rouquerol (France)].
5. Physicochemical aspects of gas- and liquid chromatography [L.S. Ettre (USA); D. Westerlund (Sweden); Yu. S. Nikitin (USSR); R.E. Kaiser (FRG); N. Petsev (Bulgaria); J. Janak (Czechoslovakia); Ya.I. Yashin (USSR); D. Berek (Czechoslovakia)].
6. Modification of various adsorbents and investigation of their surface chemistry by different methods [J. Lahaye (France); L.D. Belyakova (USSR); K. Unger (FRG); Ch. Lochmüller (USA); W.R. Betz (USA); K.I. Sakodinskii (USSR); S.P. Zhdanov (USSR); E.sz. Kováts (Switzerland)].
7. Application of selective adsorbents and bonded stationary phases for preparation of high quality columns for chromatography [G. Schomburg (FRG); H. Engelhardt (FRG); F. Bruner (Italy); W. Engewald (GDR)].

Adsorption phenomena are always involved in gas and liquid chromatography, and often they play an important role in the attainment of high resolution or in preparative separations. On the other hand, chromatographic methods have been found to be extremely useful for investigation of adsorbents and adsorption processes. This symposium was able to serve the interests of scientists concerned with either the fundamentals of adsorption or the applications of chromatography and it is hoped that this publication will encourage further collaboration between the two groups.

O.G. Larionov
Chairman

L. Belyakova
Scientific Secretary

L. Kolomiets
Executive Secretary