

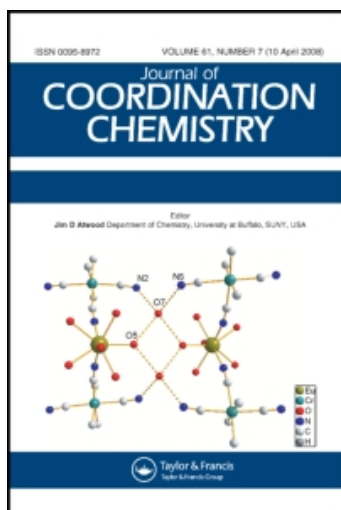
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Foreword

J. F. Biernat; J. Lipkowski

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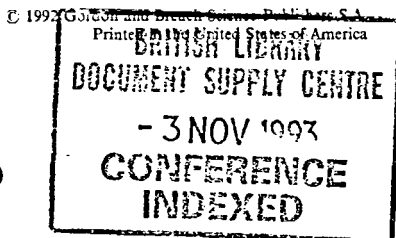
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FOREWORD

The Polish School on Supramolecular Chemistry was held in Sobieszewo, the Gdańsk recreation area, from August 20 to 31, 1990, with 120 participants. It was organized by the Institute of Physical Chemistry of the Polish Academy of Sciences and the Technical University of Gdańsk. The scientific programme consisted of 50 hours of lectures, seminars and panel discussions. Many of the lectures are included in this special volume of the *Journal of Coordination Chemistry*. Contribution to the programme from eminent scientists leading in the modern development of this recently progressing with enormous rate discipline has been very much appreciated. No doubt the School stimulated future development and new interest in supramolecular chemistry in Eastern Europe, the geographic region the most of students of the School came from.

Although all lectures were equally appreciated, the particular contribution to the programme from the Nobel prize laureate, Jean-Marie Lehn, has to be stressed. He delivered six hours of keynote lectures leading the participants through the main ideas of modern supramolecular chemistry and its relations with science in general.

Poster stands were at the disposal of the students of the School who had presented 26 papers and had an excellent opportunity to discuss their problems and concepts with first rate experts in the field.

In addition to the lectures published in this volume, the programme of the School included the following lectures (listed in the chronological order of presentation):

S. Andronati: "Macroheterocycles in Bioorganic Chemistry"

Z.R. Grabowski: "Principles of Photochemistry and Photophysics as Applied to Supramolecular Systems"

J. Lipkowski: "Intermolecular Interactions in Werner Clathrates" (co-authors: W. Zielenkiewicz)

G. Tsoucaris: "Supramolecular Architecture of Host/Guest/Solvent Systems in Cyclodextrin Clathrates"

D.N. Reinhoudt: "Molecular Systems for the Transduction of Host-Guest Complexation Reactions into Electronic Signals"

Z. Jedlinski: "Supramolecular Chemistry of Alkaline Metals and Uses of Anions of the Metals in Organic Syntheses and Polymerisation Processes"

R. Ungaro: "Selective Functionalization of Calix[4]arenes and Synthesis of New Host Molecules"

L. Fabrizzi: "Redox Processes of Supramolecular Systems"

T. Iwamoto: "Hofmann-type and Analogous Clathrates: Two- or Three-dimensional Infinite Host Structures Built of Metal Cyanide Networks Modified with Ammine or Amine Ligands"

T. Iwamoto: "Strategy to Develop Infinite Host Structures of Isopoly- and Heteropolycyanometalate Coordination Polyhedra"

Yu.A. Dyadin: "Clathrate Hydrates Under High Pressures"

J. S. Bradshaw: "New Synthetic Methods for Crowns"

L. Leiserowitz: "From Two-Dimensional Monolayers to Three-Dimensional Crystals"

- M. Pietraszkiewicz: "Non-template Synthesis of Macrocyclic Polyamines"
Yu.A. Simonov: "The Characteristics of Inclusion Compounds Formed by Sulphur-Containing Crown Ethers"
K. Suwinska: "X-ray Structures of Macrocyclic Complexes"
K. Suwinska: "Molecular Mechanics as a Tool in Solving and Understanding Crystal Structures of Inclusion-Type Complexes" (co-author: J. Lipkowski)
M. Graetzel: "Molecular Devices for Highly Efficient Conversion of Light to Electricity"
J.L. Atwood: "Calixarenes as Clay Mimics"
J.L. Atwood: "Liquid Clathrates"

J.F. Biernat
J. Lipkowski