From the same editorial team that produced the award winning “Porphyrin Handbook”,

"Best Chemistry Book of the Year, 1999"
(Professional and Scholarly Publishing Division, Association of American Publishers, Inc.)

a NEW multivolume series entitled:

HANDBOOK OF PORPHYRIN SCIENCE
with Applications to Chemistry, Physics, Materials Science, Engineering, Biology and Medicine

Karl M Kadish
University of Houston, USA

Kevin M Smith
Louisiana State University, USA

Roger Guilard
Université de Bourgogne, France

“This new series of volumes of the monumental Porphyrin Handbook, under the expert stewardship of the same three editors, is vivid testimony to the continuing broad interest and deep impact of the chemistry of these Pigments of Life.”

Jean-Marie Lehn
Nobel Laureate, Chemistry
Professeur au College de France, France

“Everyone interested in the biological and chemical properties of porphyrins and related macrocycles will want to own the new and improved version of The Porphyrin Handbook. The editors have done a terrific job in linking together the volumes in this very valuable resource for investigators in the chemical and biological sciences.”

Harry B. Gray
Wolf Laureate, Chemistry
California Institute of Technology, USA
As porphyrins are currently employed as platforms for study of theoretical principles and applications in a wide variety of fields, the *Handbook of Porphyrin Science* represents a timely ongoing series dealing in detail with the synthesis, chemistry, physicochemical and medical properties and applications of polypyrrole macrocycles. Professors Karl Kadish, Kevin Smith and Roger Guilard are internationally recognized experts in the research field of porphyrins, each having his own separate area of expertise in the field. Between them, they have published over 1500 peer-reviewed papers and edited more than three dozen books on diverse topics of porphyrins and phthalocyanines. In assembling the new volumes of this unique Handbook they have selected and attracted the very best scientists for each sub-discipline as contributing authors in the chapters. This Handbook will prove to be a modern authoritative treatise on the subject as it is a collection of up-to-date works by world-renowned experts in the field. Complete with hundreds of figures, tables and structural formulas, and thousands of literature citations, all researchers and graduate students in this field will find the *Handbook of Porphyrin Science* an essential, major reference source for many years to come.

**Readership:** chemists, physicists, material scientists, polymer scientists, spectroscopists, electrochemists, electronics and photonics engineers, biochemists, biophysicists, medicinal chemists and clinicians.

<table>
<thead>
<tr>
<th>Volume</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Developments in Supramolecular Chemistry Based on Porphyrins and Related Systems</td>
</tr>
<tr>
<td>2</td>
<td>Involvement of Porphyrins and Related Systems in Catalysis</td>
</tr>
<tr>
<td>3</td>
<td>Phototherapy, Radioimmunotherapy and Imaging</td>
</tr>
<tr>
<td>4</td>
<td>Advances in Synthesis and Coordination Chemistry of Porphyrins, Phthalocyanines and Related Systems</td>
</tr>
<tr>
<td>5</td>
<td>Heme Proteins</td>
</tr>
</tbody>
</table>

**Titles of future volumes**

- Towards Biosources of Energy
- Open-Chain Oligopyrrole Systems
- Theoretical, electron transfer and physical studies
- Applications of porphyrins, phthalocyanines and related systems
- Advances in chlorophylls and related systems studies
- Biochemistry of Tetrapyrole Systems
- Up-to-date databases for X-ray, electrochemical and thermodynamic studies

www.worldscientific.com
Edited by

Karl M. Kadish is Distinguished University Professor of Chemistry at the University of Houston. He received his Ph.D. from Pennsylvania State University and was a postdoctoral fellow at the University of New Orleans and a Chargé de Recherche at the University of Paris VI. Dr. Kadish’s research interests are in analytical chemistry, porphyrin chemistry, chemistry and electrochemistry of biological compounds, redox reactions of metal complexes, spectroelectrochemistry and fullerene chemistry. He has published 490 research papers and edited or co-edited 32 books. Since 2003, Dr. Kadish has been the Editor-in-Chief of the Journal of Porphyrins and Phthalocyanines. He has also served as President of the Society of Porphyrins and Phthalocyanines since June 2000.

Kevin M. Smith is the LSU Foundation James C. Bolton Distinguished Professor of Chemistry in Louisiana State University. He received his Ph.D. and D.Sc. degrees from the University of Liverpool (UK), and was a postdoctoral fellow at Harvard University. Dr. Smith has received the Corday-Morgan Medal and Prize from the Royal Society of Chemistry, UK, and the Alfred Bader Award in Bioorganic or Bioinorganic Chemistry from the American Chemical Society. Dr. Smith’s interests are in organic and bioorganic chemistry of tetrapyrroles and their pyrrole precursors. He has published 685 papers, edited or co-edited 22 books on the topics of porphyrins and related molecules and has been awarded eight patents.

Roger Guilard is Professor of Chemistry at the University of Burgundy in France. He received the Agrégation de Sciences Physiques in 1966 and the Doctorat in heterocyclic chemistry in 1971 from the University of Dijon. His major contributions are in the area of basic research but the results of his research have led to a number of applications and the awarding of 22 patents in the area of heterocyclic chemistry and coordination chemistry. He has had a long-time interest in the synthesis and structural characterization of metalloporphyrins and biomimetic modeling of metalloenzymes. Dr. Guilard has published over 400 papers and co-edited 22 books which are devoted to the topics of porphyrins and related molecules.

Key Features

• Consists of thousands of pages of articles written by internationally recognized experts in the field along with thousands of relevant literature citations
• Biological and medical relevance of porphyrins is linked to their chemical, physical and structural features
• Vast array of information on porphyrin science consolidated into an up-to-date multi-volume series of clear and concise coverage, including hundreds of figures, tables and structural formulas
• Of interest to chemists, physicists, material scientists, polymer scientists, spectroscopists, electrochemists, electronics and photonics engineers, biochemists, biophysicists, medicinal chemists and clinicians.

www.icpress.co.uk
Journal of Porphyrins and Phthalocyanines (JPP)
http://www.worldscinet.com/jpp

Published monthly, JPP is an international peer-reviewed journal which covers all aspects of porphyrins, phthalocyanines and structurally-related materials research as well as research in the chemistry, physics and biology domains. Featuring full research papers, communications, state-of-the-art reviews, JPP is a comprehensive information source for researchers, scientists and engineers as well as graduate and post-graduate students. Subscription information is available online at:
http://www.worldscinet.com/howtoorder/order_jpp.shtml

Editor-in-Chief
Professor Karl M. Kadish
University of Houston, USA
President of Society of Porphyrins and Phthalocyanines

BUY NOW!

Yes, I would like to purchase the Handbook of Porphyrins at an Introduction Price of US$ 1,480

ORDER FORM
Please complete the form and send it to any of our offices below. Alternatively, you can order via our online bookshop at www.worldscientific.com

MOROCCO & AFRICA
World Scientific Publishing Co. Inc.
27 Warren Street, Suite 400-WE, Norwood, MA 02062, USA
Tel: (781) 339-7345
Fax: (781) 339-7478
Email: wsc@worldscientific.com

EUROPE & THE MIDDLE EAST
World Scientific Publishing Co. Pte. Ltd.
30 Tembeling Road, 
818169 Singapore 638975
Tel: (65) 6345-8322
Fax: (65) 6345-8332
Email: orders@worldscientific.com

ASIA & THE REST OF THE WORLD
World Scientific Publishing Co. Pvt. Ltd.
Former Road, P.O. Box 17, BANGALORE 560080, INDIA
Tel: (91) 80-2951-7700
Fax: (91) 80-2951-7701
Email: orders@worldscientific.com

Printed in March 2000
©2000 WSCS

www.worldscientific.com

4

2PUN03/09/14ML.indd  4
4/24/09   2:22:12 PM

2PUN03/09/14ML.indd  4
4/24/09   2:22:12 PM