

A new translation journal from The British Library and the Royal Society of Chemistry

Organometallic Chemistry in the USSR

Organometallic Chemistry in the USSR is a cover-to-cover translation of the new Soviet journal *Metalloorganicheskaya Khimiya*, translated and published jointly by the British Library and the Royal Society of Chemistry. The chemistry of organometallic compounds has traditionally been one of the most thoroughly developed fields of science in the USSR. It involves the synthesis and study of the properties of organic derivatives of non-transition and transition metals and the preparation of various complexes (including cluster complexes) of transition metals with a wide variety of ligands and various types of bonds. Its tasks include the application of organometallic compounds in organic synthesis and especially in catalytic processes. In addition to papers, brief communications, and letters to the editors, the journal will contain reviews on important key problems in the field.

Bibliographic information:

ISSN 0955 8586, six issues per year
Volume 1, 1988, £400.00 worldwide
Volume 2, 1989, £400.00 worldwide
Volume 3, 1990, £435.00 worldwide
Volume 1, 2, and 3 together (to one address) £1080.00

Orders and specimen copy requests to:

Turpin Transactions Ltd
The Distribution Centre, Blackhorse Road, Letchworth,
Herts SG6 1HN, UK
(in Japan to USACO Corp., Tsutsumi Building, 13-12
Shimbashi 1-chome, Minato-ku, Tokyo 105)

ROYAL SOCIETY OF CHEMISTRY

NEW PUBLICATIONS

Supervision of Technical Staff: An Introduction for Line Supervisors

by R. Weston, *Leicester Polytechnic*
D.C. Norton, *Ex-Chief Technician, Bromley College of Technology*
M. Grimshaw, *North East Surrey College of Technology*

This unique book forms an introduction to supervisory skills for line supervisors employed in scientific, educational, medical and industrial laboratories. Unlike other publications on supervision it is written specifically for supervisors working in laboratories and concentrates on the specific skills associated with the control of staff in scientific laboratories.

The authors have considerable experience as laboratory supervisors and in teaching technical staff, and have included practical examples from their own and their colleagues' experience, so that readers can gain from the problems faced by others.

Highly recommended

Softcover x + 242 pages ISBN: 0 85186 423 6 (1989) Price: £15.95

Customers wishing to obtain an inspection copy of this title should contact the Sales Promotion Manager at our Cambridge address.

ROYAL
SOCIETY OF
CHEMISTRY



Information
Services

To Order, Please write to the: Royal Society of Chemistry,
Distribution Centre, Blackhorse Road, Letchworth, Herts SG6 1HN. UK.
or telephone (0462) 672555 quoting your credit card details.
We can now accept Access/Visa/MasterCard/Eurocard.

For further information, please write to the: Royal Society of Chemistry,
Sales and Promotion Department, Thomas Graham House, Science
Park, Milton Road, Cambridge CB4 4WF. UK.

RSC Members should obtain members prices and order from :
The Membership Affairs Department at the Cambridge address above.

ROYAL SOCIETY OF CHEMISTRY

NEW PUBLICATIONS

Sonochemistry:

The uses of ultrasound in chemistry

Edited by: T. J. Mason, *Coventry Polytechnic*

This new book provides a broad introduction to the very wide range of uses of ultrasound in chemistry. It is written by experts in the field with contributions from both chemists and engineers. In this way the book places sonochemistry in its true position as a hybrid subject, requiring a broad knowledge of several disciplines to appreciate fully the use of ultrasound in a particular specialism.

Sonochemistry: The uses of ultrasound in chemistry creates a broad picture of the existing applications of ultrasound in processing and some of the essential engineering principles involved in the development of power ultrasonic equipment for use in the promotion of chemical reactivity. The level of the book is such that anyone with a chemistry/engineering background will rapidly gain an appreciation of the burgeoning field of sonochemistry.

Softcover xiv + 158 pages

ISBN 0 85186 293 4

Price £35.00

May 1990

ROYAL
SOCIETY OF
CHEMISTRY



Information
Services

To Order, Please write to the: Royal Society of Chemistry, Distribution Centre, Blackhorse Road, Letchworth, Herts SG6 1HN. UK.
or telephone (0462) 672555 quoting your credit card details. We can now accept Access/Visa/MasterCard/Eurocard.

For further information, please write to the:

Royal Society of Chemistry, Sales and Promotion Department, Thomas Graham House, Science Park, Milton Road,
Cambridge CB4 4WF. UK.

RSC Members should obtain members prices and order from :
The Membership Affairs Department at the Cambridge address above.

ROYAL SOCIETY OF CHEMISTRY

NEW PUBLICATIONS

Trichoderma Reesei Cellulases

Edited by: D. E. Everleigh, *Rutgers University, USA*
H. Esterbauer, *University of Graz, Austria*
W. Steiner, *Technical University Graz, Austria*
C. P. Kubicek and E. M. Kubicek-Pranz, *Institute for
Biochemical Technology and Microbiology, Vienna, Austria*

Trichoderma Reesei Cellulases: Biochemistry, Genetics, Physiology and Applications is the first comprehensive survey dealing with all aspects of the subject. It is also the most compact and up-to-date account of the topic, with the areas covered ranging from physiology of induction of cellulolytic enzymes over their structures and genes to aspects of applications.

The understanding and manipulation of cellulase formation and function by trichoderma has now reached a very exciting period and this book is essential reading for all those with an interest in the field.

Hardcover viii + 212 pages
ISBN 0 85186 936 X
Price £42.50
May 1990

Dynamic Properties of Biomolecular Assemblies

Edited by: S.E. Harding, *University of Nottingham* and
A.J. Rowe, *University of Leicester*
Special Publication No. 74

In this important book the authors have sought to cover recent advances in a range of techniques that can be regarded as "Dynamic" (Hydrodynamics, NMR, Dynamic Light Scattering, Fluorescence Anisotropy Decay and Electro-Optics), and their application to specific assemblies of biological macromolecules: assemblies involving proteins, nucleic acids and glycoconjugates. Some important advances in the capture and analysis of data are identified.

Brief contents:

Part I : Techniques
Part II : Dynamics of Protein, Nucleic Acid and Protein-Nucleic Acid Assemblies
Part III : Dynamics of Glycoconjugates and Membranes

Hardcover viii + 373 pages
ISBN 0 85186 896 7
Price £45.00
November 1989

Molecular Recognition

Chemical and Biochemical Problems

Edited by: S.M. Roberts, *University of Exeter*
Special Publication No. 78

This new book is the first review of progress made over the last few years in the important field of molecular recognition, an area that has been the focus of research initiatives in the UK, USA and Japan.

It illustrates the exciting progress made in understanding small molecule/large molecule interactions and shows how a comprehension of non-covalent interactions between these species can lead to new ideas for the design of novel drugs, agrochemicals, etc. In *Molecular Recognition: Chemical and Biochemical Problems* the synthesis, stereochemistry, actions and interactions of peptides and proteins form recurrent themes. It also features the synthesis of DNA, RNA, and unnatural macromolecules capable of selective binding to small molecules.

Softcover xi + 285 pages
ISBN 0 85186 796 0
Price £39.50
November 1989

Amino Acids and Peptides Volume 21

Senior Reporter: J. H. Jones, *University of Oxford*
Series: Specialist Periodical Reports

Amino Acids and Peptides Vol. 21 reviews the literature published during 1988.

Contents:

Amino Acids
Peptide Synthesis
Analogue and Conformational Studies on Peptide Hormones and other Biologically Active Peptides
Cyclic, Modified, and Conjugated Peptides
 β -Lactam Antibiotic Chemistry
Metal Complexes of Amino Acids and Peptides
Appendix

Hardcover xii + 334 pages
ISBN 0 85186 194 6
Price £82.50
April 1990

ROYAL
SOCIETY OF
CHEMISTRY



Information
Services

To Order, Please write to:

Royal Society of Chemistry, Distribution Centre, Blackhorse Road, Letchworth, Herts SG6 1HN. UK.
or telephone (0462) 672555 quoting your credit card details. We can now accept Access/Visa/MasterCard/Eurocard.

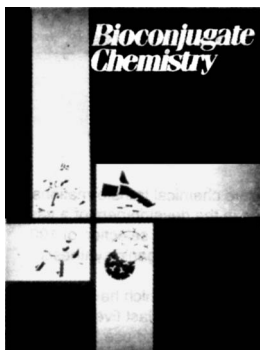
RSC Members should order from:

The Membership Manager, Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge CB4 4WF. UK.

For further information, please write to:

Royal Society of Chemistry, Sales and Promotion Department, Thomas Graham House, Science Park, Milton Road, Cambridge CB4 4WF. UK.

The American Chemical Society Presents
The New, Unifying Bimonthly Journal of Conjugation Chemistry



Bioconjugate Chemistry

Editor: Claude F. Meares
Dept. of Chemistry, Univ. of California, Davis
Davis, CA 95616 (916/752-3360)

Associate Editor: Paul S. Miller
Sch. Hygiene/Pub. Health, Dept. Biochem.,
The Johns Hopkins University

Centralized Access Is Here!

Featuring highly technical, primary literature in biomedically related R&D, *Bioconjugate Chemistry* centralizes information previously published in some 200 different scholarly journals. It brings together—in one source—research forming the core of breakthroughs in biotechnology from universities, research institutes, biomedical firms, drug companies, and chemical laboratories.

Specifically, *Bioconjugate Chemistry* addresses the joining of two different molecular functions by chemical or biological means. No other journal has this unique, topical focus:

Conjugation of . . .
antibodies (and their fragments)
nucleic acids and their analogues (α -anomers, phosphonates, . . .)
liposomal components
other biologically active molecules (receptor-binding proteins, hormones, peptides, . . .)

with each other or with any molecular groups that add useful properties . . .
drugs, radionuclides, toxins, fluorophores, photoprobes, inhibitors, enzymes, haptens, ligands, etc.

In bimonthly issues you'll explore the chemical aspects of conjugate preparation and characterization, including:

- *In vivo* applications of conjugate methodology;
- Molecular biological aspects of antibodies, genetically engineered fragments, and other immunochemicals;
- The relationships between conjugation chemistry and the biological properties of conjugates.

Guided by a "Who's Who" In the Field

International Editorial Advisory Board

V. Alvarez, Cytogen Corp. • L. Arnold, GENTA, Inc. • R. W. Atcher, Argonne Natl. Labs. • R. W. Baldwin, Univ. of Nottingham, England • T. F. Bumol, Lilly Res. Labs. • C.-H. Chang, Immunomedics • G. S. David, Hybritech, Inc. • P. B. Dervan, Calif. Inst. of Tech. • D. Dolphin, Univ. of British Columbia, Canada • T. W. Doyle, Bristol-Myers Co. • R. E. Feeney, Univ. of Calif., Davis • D. Fitzgerald, NIH • J. M. Frincke, Hybritech, Inc. • A. Fritzborg, NeoRx Corp. • W. F. Goeckler, The Dow Chemical Co. • D. A. Goodwin, Stanford Univ. Hosp. • E. Haber, The Squibb Inst. for Med. Res. • T. Hara, Inst. for Biomedical Res., Japan • R. Haugland, Molecular Probes, Inc. • M. F. Hawthorne, Univ. of Calif., Los Angeles • J. E. Hearst, Univ. of Calif., Berkeley • N. D. Heindel, Lehigh Univ. • C. Helene, Museum National D'Histoire Naturelle, France • E. Hurwitz, Weizmann Inst. of Science, Israel • D. K. Johnson, Abbott Labs. • D. Kaplan, The Dow Chemical Co. • B. A. Khaw, Massachusetts General Hosp. • K. Krohn, Univ. of Washington • H. T. Nagasawa, Univ. of Minnesota • P. Nielsen, Univ. of Copenhagen, Denmark • A. Oseroff, Roswell Park Cancer Inst. • M. Ostro, The Liposome Co., Inc. • G. A. Pietersz, The Univ. of Melbourne, Australia • R. Reisfeld, Scripps Clinic & Res. Fdn. • S. Rocklage, Salutar, Inc. • J. Rodwell, Cytogen Corp. • P. G. Schultz, Univ. of Calif., Berkeley • P. Senter, Oncogen • S. Srivastava, Brookhaven Natl. Lab. • P. E. Thorpe, Imperial Cancer Res. Fund Labs., England • G. Tolman • V. P. Torchilin, Inst. of Exp. Cardiology, USSR • A. Tramontano, Scripps Clinic & Res. Fdn. • J. Upešlacis, Lederle Labs. • R. S. Vickers, Eastman Kodak Co. • E. S. Vitetta, The Univ. of Texas, Dallas • S. Wilbur, NeoRx Corp. • M. Wilchek, Weizmann Inst. of Science, Israel • M. Zalutsky, Duke Univ. Med. Ctr.

1990 Subscription Rates

	ACS Members*		Nonmember
	One Year	Two Years	One Year
U.S.	\$ 29	\$ 52	\$249
Canada & Mexico	\$ 35	\$ 64	\$255
Europe**	\$ 39	\$ 72	\$259
All Other Countries**	\$ 43	\$ 80	\$263

*Subscriptions at member rates are for personal use only
**Air Service Included

Be a Premier Subscriber—Order Today!

American Chemical Society
Marketing Communications Department
1155 Sixteenth Street, N.W.
Washington, D.C. 20036 U.S.A.
Toll free: 1-800-227-5558
Local: (202) 872-4363
FAX: (202) 872-4615
Telex: 440159 ACSP UI or 89 2582 ACSPUBS
In Japan Contact Maruzen Co., LTD.

ROYAL SOCIETY OF CHEMISTRY

NEW PUBLICATIONS

Carbohydrate Chemistry Vol. 21 Part I

Senior Reporter: Neil R. Williams
Birkbeck College, University of London

Since Volume 14 'Carbohydrate Chemistry' has been divided into two parts:
Part I – Mono-, Di-, and Tri-saccharides and their derivatives
Part 2 – Macromolecules

From Volume 19 Part 1 was renamed:
Monosaccharides, Disaccharides, and Specific Oligosaccharides.

Carbohydrate Chemistry Volume 21 (Part 1) provides a review of the literature published during 1987.

Brief Contents:

Introduction and General Aspects; Free Sugars; Glycosides and Disaccharides; Oligosaccharides; Ethers and Anhydro-Sugars; Acetals; Esters; Halogeno-Sugars; Amino-Sugars; Miscellaneous Nitrogen Derivatives; Thio- and Seleno-Sugars; Deoxy-Sugars; Unsaturated Derivatives; Branched-chain Sugars; Aldosuloses, Dialdoses, and Diuloses; Sugar Acids and Lactones; Inorganic Derivatives; Alditols and Cyclitols; Antibiotics; Nucleosides; NMR Spectroscopy and Conformational Features; Other Physical Methods; Separatory and Analytical Methods; Synthesis of Enantiomerically Pure Non-Carbohydrate Compounds; Author Index.

'This is a thoroughly professional, useful publication.' –
C. Edwin Weill, *J. Am. Chem. Soc.*, reviewing Vol. 15 Part 1

Specialist Periodical Report

Hardcover
ISBN

Organophosphorus Chemistry Vol. 20

Senior

J.

Organophosphorus
published

Brief Contents:

Phosphines and Phosphonium Salts; Pentaco-ordinated and Hexaco-ordinated Compounds; Phosphine Oxides and Related Compounds; Tervalent Phosphorus Acids; Quinquevalent Phosphorus Acids; Nucleotides and Nucleic Acids; Ylides and Related Compounds; Phosphazenes.

Specialist Periodical Report

Hardcover
ISBN

100 Modern Reagents

Consulting

The

100 Modern Reagents features less familiar reagent which have been identified in 'Methods in Organic Synthesis' during the last five years. The selection reflects reagents which have found widespread use, with emphasis on those which allow important transformations or which show interesting and varied reactivity.

The book provides current, up-to-date information and includes the following data on each reagent listed:
Name; structure; molecular formula; molecular weight; physical properties; preparation and / or suppliers; price range; safety precautions needed.

The reagents are arranged in alphabetical order and cover two pages each, with the second page providing three reaction schemes highlighting the uses of the reagent.

Flexicover
ISBN

Organometallic Chemistry Vol.

Senior Reporters: E.W. Abel, *University of Exeter* and
F.G.A. Stone, *University of Bristol*.

Organometallic Chemistry Volume 18 provides a review of the literature published during 1988

Brief Contents:

Group I: The Alkali and Coinage Metals; Group II: The Alkaline Earths and Zinc and its Congeners; Boron with the Exception of the Carbaboranes; Carbaboranes, including their Metal Complexes; Group III: Aluminium, Gallium, Indium and Thallium; Group IV: The Silicon Group; Group V: Arsenic, Antimony, and Bismuth; Metal Carbonyls; Organometallic Compounds containing Metal-Metal Bonds; Ligand Substitution Reactions of Metal and Organometal Carbonyls with Group V and VI Donor Ligands; Complexes Containing Metal-Carbon σ -Bonds of the Groups Scandium to Manganese, including Carbenes and Carbynes; Complexes Containing Metal-Carbon σ -Bonds of the Groups Iron, Cobalt and Nickel; Metal-Hydrocarbon π -Complexes, Other than π -Cyclopentadienyl and π -Arene Complexes; π -Cyclopentadienyl, π -Arene, and Related Complexes; Homogeneous Catalysis by Transition-metal Complexes; Structures of Organometallic Compounds determined by Diffraction Methods.

Specialist Periodical Report

Hardcover
ISBN

CHEMISTRY



Information
Services

or

Royal Society of Chemistry, Sales and Promotion Department, Thomas Graham House, Science Park, Milton Road,
Cambridge CB4 4WF. UK.

The