

**FOURTH INTERNATIONAL SYMPOSIUM
ON BIOORGANIC CHEMISTRY**

**IUPAC
Sponsored**

(IVth ISBOC)

BIARRITZ, FRANCE, 1 - 6 JUNE 1997



The symposium intends to highlight the latest ideas and advances at the frontier between chemistry and biology to inspire and stimulate the development of research in this area.

The scientific programme will include plenary lectures, oral communications, poster presentations and a vendor exhibition. The organizing Committee has chosen five interdisciplinary themes, that will provide a framework for lectures and oral communications which will be selected from submitted abstracts.

The following topics will be covered :

- Enzymes
- Receptors
- Membranes
- Nucleic acids
- Biotechnology

The following scientists have agreed to present a lecture :

J.-C. Chottard	B. Imperiali	D. Moras
T. Costa	I. Ivanov	Y. Nagai
J. Fontecilla-Camps	G.G. Jung	P. E. Nielsen
J. Freyssinet	J.A. Killian	H. Paulus
E. Giralt	P. Leadlay	J.C. Promé
R. Haener	J.M. Lehn	F. Schuber
L. Huang	H.W. Liu	B. Stoddard

A workshop session will be organized by J.-B. Le Pecq and A. Kahn on "Gene Therapy".

The Conference will be held in the Casino Bellevue, Biarritz, France, which overlooks the Atlantic Ocean. Biarritz, located in the south west of France, can be reached by plane or TGV (high speed train).

Biarritz was born last century as sea bathing became fashionable. High society has followed Emperor Napoleon III and Empress Eugénie to ensure the continuing popularity of Biarritz's beaches. Biarritz has become an international centre for competition (golf, surf, tennis, rugby, pelota games). From fiestas to festivals, there is always a season to celebrate in Biarritz. The Municipal Casino fully restored in its 1930's splendour has been re-opened in 1994.

Registration fees :

	Before March 14, 1997	After March 15, 1997
Private organizations	3500 FF	4000 FF
Academic Laboratories	2500 FF	3000 FF
Students	1250 FF	1750 FF
Accompanying persons	1000 FF	1500 FF

IUPAC affiliate members are entitled to a 10 % reduction. The registration fees cover all the scientific events (sessions and book of abstracts), welcome party, lunches and breaks between sessions. For the accompanying persons, only the welcome party and lunches are included.

Inquiries should be addressed to :

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Université Pierre et Marie Curie
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By K Scott, *University of Newcastle Upon Tyne, UK*

This new book describes the technology and engineering of electrochemical systems that are relevant to clean technology, such as chemical synthesis, effluent treatment and recycling. It explains basic scientific and engineering principles, and describes relevant cell and reactor technology with examples. It emphasises the increasing importance of electrochemistry in the synthesis of organic and inorganic compounds for the bulk, fine chemical, pharmaceutical and electronic industries. There is full coverage of effluent treatment and recycling for heavy and precious metals, organic contaminants, inorganic aqueous and gaseous effluents, and includes important coverage of electrochemical membrane-based separations, and electrochemically enhanced processes such as ion exchange and ultrafiltration.

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Ion Exchange Developments and Applications

Edited by JA Greig, *Nutra Sweet Kelco Company, UK*

This book concentrates on the application on this technology in industry. In particular, it covers such topics as environmental and pollution control, water treatment, hydrometallurgy, the nuclear industry, ion exchange fundamentals and separations, resin development and inorganic ion exchangers. New insights contained in this book throw light on many aspects of the science, engineering and implementation of ion exchange technology, and the range of industries affected is very broad.

Special Publication No 182

Hardcover **xvi + 560 pages**
ISBN 0 85404 726 3 **1996** **£89.50**

Chemical Aspects of Drug Delivery Systems

Edited by DR Karsa, *Akcos Chemicals, Manchester, UK*
 RA Stephenson, *Chemical Consultant*

Chemical Aspects of Drug Delivery Systems reflects the modern challenge to devise effective drug delivery and targeting systems, giving particular emphasis to recent innovations in the field. Delivery systems described include carbohydrate derivatives, novel non-ionic surfactant vesicles and various polymers, including polyacrylates and aqueous shellac solutions, as well as hydrogels. In addition, many of the key issues, such as the understanding of biosystems and targets and the development of materials to provide the deserved carrier and excipient properties for controlled, targeted drug delivery are considered in depth.

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The Chemistry of Paper

By JC Roberts, *UMIST, UK*

This book provides an overview of the process of making paper from a chemical perspective. It deals with both the chemistry of paper as a material and the chemistry of its production, setting out the main principles involved at every stage. It provides a chemical definition of paper in the light of the many uses to which it is put, as well as dealing with the processes involved in the production of paper: the delignification of the wood fibres, the bleaching of the cellulose-rich pulp using environmentally-friendly systems, the formation of the pulp into sheets of fibres strengthened by extensive inter-fibre hydrogen bonding, and finally the coating of the sheets in a manner appropriate to their end use.

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Environmental Chemistry

Pollution

Causes, Effects and Control

3rd Edition

Edited by RM Harrison, University of Birmingham, UK

The third edition of **Pollution** has once again been updated and expanded to reflect the changes that have taken place in recent years. In particular, it contains new chapters on marine pollution, soils and contaminated land and the effects of air pollutant exposure on human health.

The book's treatment of its subject is essentially introductory, although some aspects are covered in greater depth. The contributions combine to give a broad overview, touching on most of the important areas and delving deeper into many of them. More than ever, before, the environment is high on the political agenda, illustrating the need for authoritative scientific information on the subject. **Pollution** is a must for graduated and undergraduates with an interest in environmental and pollution research.

"This book is useful as a textbook and is highly recommended."
Environmental International (reviewing 2nd edition)

Softcover ISBN 0 85404 534 1 1996 xxi + 480 pages £35.00

Environmental Impact of Chemicals

Assessment and Control

Edited by M Quint, Dames & Moore, UK
D Taylor, Zeneca Environmental Lab, UK
R Purchase, Environmental Chemistry Group, RSC, UK

Environmental Impact of Chemicals contains a collection of views and theoretical discussions from industrialists, scientists and regulators which outline the latest legislative position and current state of the art on the rapidly changing field of environmental risk assessment.

Risk assessment in safety and, to an increasing extent,

chemical product registration, has been practised for many years. It is only relatively recently, however, that it has been routinely applied to chemicals released into the environment. This book describes the underlying science of such assessment, the problems associated with it and the difficulties involved in communicating the results to the general public.

The book is highly practical and written from an applied perspective, with the majority of contributors being practitioners in the field. It will prove useful to researchers and professionals in industry as well as to consultancy and governmental bodies.

Special Publication No 176

Hardcover ISBN 0 85404 795 6 1996 viii + 242 pages £69.50

Simple Guide on Management and Control of Wastes

This guide derives from a study carried out by a specialist committee of The Royal Society of Chemistry for the European Commission. As its title suggests, this is a basic guidebook which identifies with major moral, legal and administrative duties associated with the minimisation, control, and ultimate disposal of liquid, semi-solid and solid waste. **Simple Guide on Management and Control of Wastes** provides a useful reference work for those who need to acquaint themselves with the principles of waste management, identifying each of the major processes, such as incineration, landfill, recycling and ecologically acceptable waste reduction by physical, chemical and biological treatment. Throughout, the text is supported by data in diagrammatical form, together with tables of the EU waste identification criteria.

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