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Edited by K. Waldron, I.T. Johnson and G.R. Fenwick  
*AFRC Institute of Food Research, Norwich*

**Food and Cancer Prevention: Chemical and Biological Aspects** is the first book to be published on this subject and represents the current state of the art. It is interdisciplinary in scope and provides researchers from around the world with the opportunity to bring themselves up to date with developments in this vital area.

Epidemiological evidence makes it clear that diet can protect against cancer, as well as promote it, and developments in molecular and cell biology have led to an increased understanding of cell proliferation and differentiation, yet there remains much to learn about the impact of diet on basic biological mechanisms. This book was created to explore such issues and will help the reader to identify research opportunities and assess research priorities.

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Edited by H. Benkreira, *The University of Bradford*

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The importance of coating technology is well known yet it remains a fragmented field, where a variety of coating methods and approaches have been created to solve operational problems. This book acts as a platform for the exchange of ideas and will encourage the search for a common, fundamental approach to tackling these problems. **Thin Film Coating** covers key aspects of continuous coating of webs (using methods such as roll coating, curtain and gravure coating, etc.) and also examines the effect of coating formulation and rheology on coating quality. In addition, it details dryer design and operation in line with the strict environmental constraints for solvent recovery.

**Special Publication No. 129 Hardcover vii + 218 pages  
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Edited by H. Benkreira, *The University of Bradford*

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## Plant Polymeric Carbohydrates

Edited by F. Meuser, *Institute of Food and Fermentation Technology, Berlin, Germany*  
D.J. Manners, *Heriot-Watt University, Edinburgh, UK*  
W. Seibel, *Federal Research Centre for Cereal Potato, and Lipid Research, Detmold and Münster, Germany*

This book presents an up to date account of current developments in plant polymeric carbohydrates and covers five main areas: their biosynthesis and structure; their rheological properties; their nutritional importance; their industrial applications; and their chemical and enzymic conversion. It is written by experts from around the world, many of whom come from industrial and government laboratories, and provides both exceptionally wide and unusually detailed coverage of the subject. In addition it gives valuable references to the most recent literature and illustrates the latest research findings with a large number of figures.

Special Publication No. 134      Hardcover      xii + 296 pages      ISBN 0 85186 645 X      1993      Price £52.50

Ref No 982

## Chemical Technology in Printing and Imaging Systems

Edited by J.A.G. Drake

**Chemical Technology in Printing and Imaging Systems** presents up to date information on trends in the printing industry and covers the role of chemicals in the quality of print, its colour, preparation of printing plates, and image-forming processes, as well as the efficient use of materials. The book gives strong emphasis to the environmental impact of the chemicals used and also covers present and future legislation. Topics covered include the removal of volatile organic compounds, the prospect of using more aqueous-based systems for inks, electronic methods of producing images directly onto printing plates, and much more. In addition, general aspects of pigment technology are reviewed. This book has an unusual breadth and depth of coverage and will appeal to both commercial and academic minds.

Special Publication No. 133      Hardcover      viii + 188 pages      ISBN 0 85186 655 7      1993      Price £39.50

Ref No 775

## Organic Materials for Non-linear Optics III

Edited by G.J. Ashwell, *University of Cranfield* and D. Bloor, *University of Durham*

Research has moved on in the quest for organic materials for non-linear optics and the third volume under this title gives an update on progress made since the previous volume was published in 1991. **Organic Materials for Non-linear Optics III** reflects the increased interest in polymer films for both second and third harmonic generation and includes a large number of papers dedicated to this topic. It also reflects the importance of such materials in the fabrication of devices that do not require the time-consuming process of crystal growth or Langmuir-Blodgett film fabrication. The book looks at electro-optic waveguide devices based on polymers that have been demonstrated to have potentially useful properties, and considers the significant impact they could have in the medium-term.

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