

## Fundamental Toxicology

J.H. Duffus and H.G.J. Worth  
The Royal Society of Chemistry, 2006  
ISBN 0 85404 614 3

*Fundamental Toxicology* is a concise and comprehensive review of toxicology. It is based on the highly successful *Fundamental Toxicology for Chemists* (J.H. Duffus and H.G.J. Worth, The RSC, 1996) and has been enriched and expanded. Every chapter in this new edition has been revised and updated, and four new chapters have been added.

With contributions from internationally recognized experts in their field, this broad-based introduction to the topic covers both well-established and rapidly developing areas of toxicology, such as toxicogenomics, reproductive toxicology, behavioral toxicology and ecotoxicology.

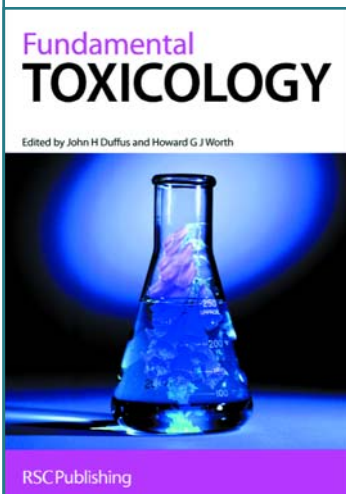
*Fundamental Toxicology* is ideal for students and includes extensive pedagogical features, such as an extensive glossary, a bibliography

after each chapter, and recommended further reading. It is also designed for teachers and lecturers, especially those who may be teaching toxicology for the first time. Included is a suggested curriculum for using the text to teach toxicology to students from various scientific disciplines. Professionals working in toxicology and related fields will find this an invaluable guide.

This book represents the outcome of the IUPAC project of the same title. The textbook also complement the editors presentations on "Essential Toxicology," which are educational resources available on the IUPAC website <[www.iupac.org/publications/cd/essential\\_toxicology](http://www.iupac.org/publications/cd/essential_toxicology)>.

 [www.iupac.org/publications/books/author/duffus06.html](http://www.iupac.org/publications/books/author/duffus06.html)

Definitions of terms used in toxicology and in toxicokinetics are regularly being evaluated and updated by IUPAC task groups coordinated by the Subcommittee on Toxicology and Risk Assessment. See provisional recommendations currently under public review or the subcommittee Web page for more information <[www.iupac.org/divisions/VII/VII.C.2](http://www.iupac.org/divisions/VII/VII.C.2)>.



## Macromolecular Symposia—recent volumes

Fillers, Filled Polymers, and Polymer Blends  
P. Dubois, G. Groeninckx, R. Jerome,  
R. Legras (editors)  
*Macromolecular Symposia*, Vol. 233  
Wiley-VCH, 2006, pp. 1-236

About 300 scientists from 35 countries attended this first joint meeting between the 8th European Symposium on Polymer Blends and Eurofillers 2005, held in Bruges, Belgium, from 9-12 May 2005. The conference featured 16 plenary/keynote lectures, 44 oral communications, and more than 200 poster presentations. This volume of *Macromolecular Symposia* covers most of the plenary and oral contributions presented at the meeting.

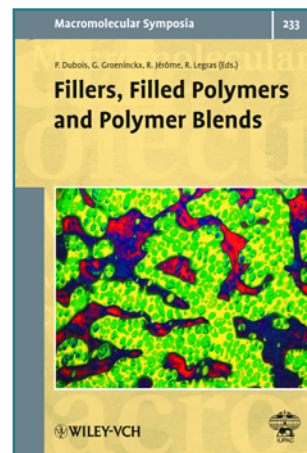
"Materials Design, Performance and Problem Solving" was the general theme of this meeting, which was meant to stimulate dialogue among specialists in complementary fields, such as physics, chemistry, and engineering, who have expertise in both organic and inorganic materials. The topics covered during the meeting included:

In the field of polymer blends:

- innovations in generation and control of phase morphology, including theoretical approaches and numerical simulations
- reactive processing, including reactive compatibilization, dynamic crosslinking, and polymer chemistry in the melt
- control, characterization, and modeling of interfaces and interphases
  - structure-mechanical performance relationships
  - specific polymer blends (including recycling) and their applications

In the field of fillers and filled polymers

- preparation and characterization of (nano) fillers of all shapes and functions
- formulations of (nano)fillers with polymers, including nanocomposites, natural fiber composites, and organic-inorganic hybrid materials



- adhesion between (nano)fillers and polymers
- structure-property relationships of (nano)composites, including confined crystallization issues
- industrial applications of filled polymers in automotive, electronic, biomedical, and packaging

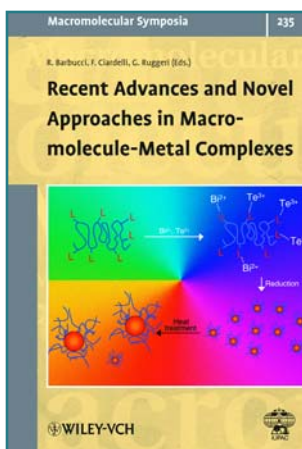
 [www.iupac.org/publications/macro/2006/233\\_preface.html](http://www.iupac.org/publications/macro/2006/233_preface.html)

### Recent Advances and Novel Approaches in Macromolecule-Metal Complexes

R. Barbucci, F. Ciardelli, G. Ruggeri (editors)

*Macromolecular Symposia*, Vol. 235

Wiley-VCH, 2006, pp. 1-253



This issue of *Macromolecular Symposia* contains selected papers, presented at the 11th International Symposium on Macromolecule-Metal Complexes (MMC-11), sponsored by IUPAC, that was held in Tirrenia (Pisa, Italy) from 10–13 September 2005. The symposium, chaired by R. Barbucci (Siena) and F. Ciardelli (Pisa), was part of the series of regular biennial meetings of the MMC group that focus on the synthesis

of artificial combinations of metal ions/metals, ligands, and macromolecules, with the aim of developing new

materials with a variety of properties. This issue features 14 review-style papers, which are now reported in an extended manner.

The interest and progress in the field was apparent, as 170 participants from 30 countries attended the event. Topics covered included biological aspects, synthesis; formation and characterization; environmental applications; binding of small molecules; sensors; catalysis and photocatalysis; conductivity, photoconductivity, and ionic conductivity; electronic, optical, and magnetic applications; and alternative processes of energy conversion. Twenty lectures were presented by invited speakers and almost 100 oral and poster presentations were provided by the other participants.

 [www.iupac.org/publications/macro/2006/235\\_preface.html](http://www.iupac.org/publications/macro/2006/235_preface.html)

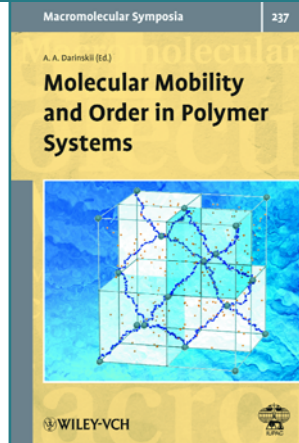
### Molecular Mobility and Order in Polymer

A.A. Darinskii (editor)

*Macromolecular Symposia*, Vol. 237

Wiley-VCH, 2006, pp. 1-138

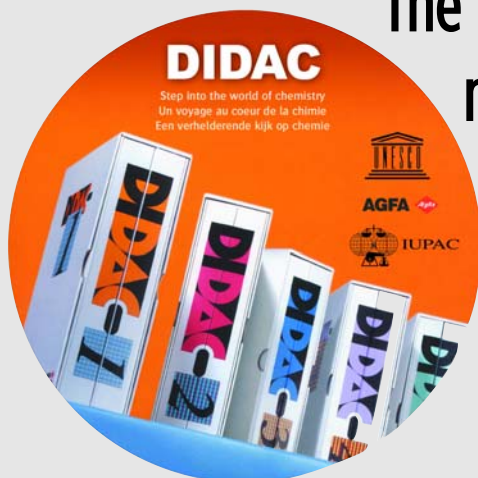
 [www.iupac.org/publications/macro/2006/237\\_preface.html](http://www.iupac.org/publications/macro/2006/237_preface.html)



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