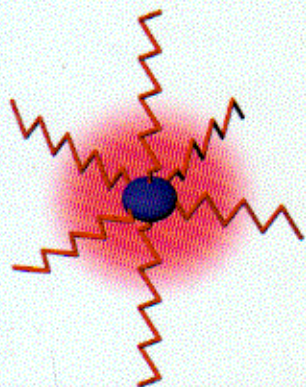




An Introduction to POLYSACCHARIDE BIOTECHNOLOGY

SECOND EDITION

Polysaccharides and related high molecular weight glycans are hugely diverse with wide application in biotechnology and great opportunities for further exploitation. ***An Introduction to Polysaccharide Biotechnology*** – a second edition of the popular original text by Tombs and Harding – introduces students, researchers, clinicians and industrialists to the properties of some of the key materials involved, how these are applied, some of the economic factors concerning their production and how they are characterised for regulatory purposes.

FEATURES

- Basic properties of polysaccharides and how they are very different to proteins
- How these properties are affected by enzymes and how the effects of enzymes can be controlled
- An introduction to some 'patent preferred' methodologies for polysaccharide characterisation, such as molecular weight distribution
- Applications in biopharma, food and other industries
- The application of marker-assisted selection to fruit ripening and preservation, the development of glycovaccines against meningitis and other serious diseases
- A whole chapter dedicated to a case study on bioactivity and how modern research is unlocking the way polysaccharides are at the core of many traditional medicines
- Further Reading sections for follow up



CRC Press
Taylor & Francis Group
an informa business

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New York, NY 10017
2 Park Square, Milton Park
Abingdon, Oxon OX14 4RN, UK

K23616

ISBN: 978-1-4822-4697-1

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