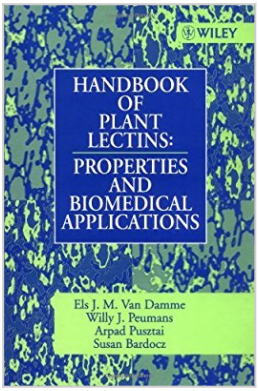

Handbook of Plant Lectins: Properties and Biomedical Applications

By Els. J. M. Van Damme, Willy J. Peumans, Arpad Pusztai, Susan Bardocz

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Plant lectins are extensively used as tools and as bioactive proteins in different areas of biomedical and biological research. The Handbook of Plant Lectins provides a comprehensive yet concise overview of the biochemical properties, carbohydrate-binding specificity, biological activities and applications of most of the currently known plant lectins. This handbook consists of two major sections: an introductory guide and a quick reference dictionary. Part I acquaints the newcomer to the lectin field with the essential information on lectins and their importance to biomedicine:
* what are lectins?
* their carbohydrate-binding specificity
* effects on nutrition and immunology
* use in histochemistry
* application as therapeutic agents
Part II lists approximately 200 lectin entries in alphabetical order. Each entry deals with the lectin(s) of a particular plant and provides, (where known), details of:
* isolation and characterisation;
* sugar binding specificity;
* biological activities;
* applications;
* commercial availability; and,
* a bibliography.
Useful summary tables list lectins according to their specificity, thereby allowing the user to choose the best lectin for their application. A list of suppliers is also provided. Handbook of Plant Lectins will be of interest to biologists and biomedical researchers studying cell biology, cancer research, nutrition, immunology, pathology and physiology.

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Editorial Review

From the Publisher
Lectins are used in all branches of biological research. Until now, the information on lectins has been scattered throughout the literature and has been difficult and time-consuming to obtain. This book supplies scientists with a comprehensive overview and provides information on all aspects of known lectins.

From the Back Cover
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Matthew Waddell:

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