



Advances in Carbohydrate Chemistry and Biochemistry



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2013 Volumes Include:

Volume 70: December 2013

This volume constitutes a supplementary issue that pauses to review the evolution of the series since it began under the title *Advances in Carbohydrate Chemistry* toward the close of the Second World War, and looks toward its future as *Advances in Carbohydrate Chemistry and Biochemistry* in the ongoing documentation of a vastly expanded field of scientific disciplines where carbohydrates play a role.

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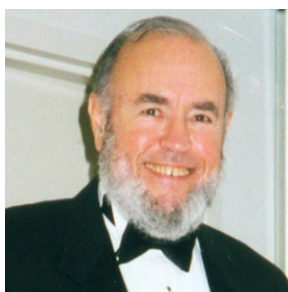
This volume includes chapters on De Novo Asymmetric Synthesis of the Pyranoses: From Monosaccharides to Oligosaccharides, Recent Advances Toward the Development of Inhibitors to Attenuate Tumor Metastasis via the Interruption of Lectin-Ligand Interactions, and Bacterial Cell-Envelope Glycoconjugates.



The *Advances in Carbohydrate Chemistry and Biochemistry* series provides researchers with critical reports written by leading specialists. These articles cover all areas of science dealing with carbohydrates: structure and synthesis of sugars, oligosaccharides, polysaccharides and glycoconjugates, medicinal and biochemical aspects, analytical and instrumental methodology, and technological and nutritional aspects.

The serial was first published in 1944 with the objective of presenting critical and integrating reports, understandable by the general reader as well as the specialist, on a wide range of topics having carbohydrates as a common theme. The report "Seven Decades of Advances" in volume 70 assesses broadly the literature record on carbohydrates, as documented in over 350 articles published in this series during the seventy years of its existence, and its relation to research papers published in primary journals, as well as information in reference books, monographs, and text books that constitute the secondary literature.

Today, *Advances in Carbohydrate Chemistry and Biochemistry* is well-regarded, highly-cited, and has an impact factor of 7.311 (2012 Copyright ISI Journal Citation Report).



Serial Editor: Derek Horton

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Derek Horton received his degrees from the University of Birmingham in England, was on the Chemistry faculty at Ohio State University until 1992, and held visiting professorships in France and Germany. He held the Isbell Chair of Carbohydrate and Natural Product Chemistry at American University between 1993 and 2009, where he taught courses on carbohydrate and natural product chemistry. His research is on the organic, biochemical, and technological aspects of carbohydrates. He was a founder of the international journal *Carbohydrate Research* and is editor of the book series *Advances in Carbohydrate Chemistry and Biochemistry*.

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