

Preface

Ionic liquids (ILs) provide tremendous opportunities for designing new processes and improving or revolutionizing existing chemical/biochemical processes and production technology. There have been significant advances in the last decade in various fields related to ILs and although a list of books on ILs has been published summarizing the progress, no such lists exist in the field of lipids, even as book chapters. This book reviews the state-of-the-art research on the science and technology development in ILs focused on lipid processing and analysis. A detailed introduction of the book is presented as the first chapter.

We believe this work is the first collection about the applications of ILs in lipids processing and analysis. We hope this book covers most of the relevant topics expected by the scientific researchers and industrial engineers working in the lipids community. It is our great expectation that this book could stimulate more interest and discussion, or attract more attention to the tremendous opportunity and challenges from ILs as a newly emerging technology for lipids processing.

Finally, we would like to thank all contributors for their magnificent work in the collection of the latest research publications and their devotion to presenting accurate and detailed scientific information. The assistance from the AOCS Press is greatly appreciated, with special thanks to Janet and Lori.

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