Green Extraction of Natural Products. Theory and Practice

Description: Extraction processes are essential steps in numerous industrial applications from perfume over pharmaceutical to fine chemical industry. By using natural products, we are able to reduce the environmental impact of industry whilst improving quality and profit.

This book presents a complete picture of current knowledge on the green extraction of natural products in terms of innovative processes, original methods, alternative solvents and safe products, and provides the necessary theoretical background as well as industrial application examples and environmental impacts. Each chapter is written by experts in the field and the strong focus on green chemistry throughout the book makes this book a unique reference source.

This book is intended to be a first step towards a future cooperation in a new extraction of natural products, built to improve both fundamental and green parameters of the techniques and to increase the amount of extracts obtained from renewable resources with a minimum consumption of energy and solvents, and the maximum safety for operators and the environment.

The target audience is industry professionals as well as academicians engaged in separation and extraction engineering or natural product chemistry research, and graduate level students.

Contents: Preface XIII
List of Contributors XV
1 Green Extraction: From Concepts to Research, Education, and Economical Opportunities 1
Farid Chemat, Natacha Rombaut, Anne-Sylvie Fabiano-Tixier, Jean T. Pierson, and Antoine Bily
1.1 Introduction 1
1.2 Orange Fruit is not Limited to Produce Only Juice? 5
1.3 Chemistry of Natural Products 9
1.3.1 Primary Metabolites 9
1.3.1.1 Glucides 9
1.3.1.2 Lipids 10
1.3.1.3 Amino Acids and Proteins 10
1.3.2 Secondary Metabolites 12
1.3.2.1 Terpenoids 12
1.3.2.2 Alkaloids 14
1.3.2.3 Polyphenols 14
1.4 From Metabolites to Ingredients 17
1.5 Green Extraction from Research to Teaching 22
1.5.1 Principle: Innovation by Selection of Varieties and Use of Renewable Plant Resources 28
6.1 Introduction 173
6.2 Thermodynamic Models of Mixing and Dissolving 176
6.2.1 UNIFAC and Modified UNIFAC 176
6.2.2 The Hansen Solubility Parameters 178
6.2.3 COSMO and COSMO–RS 180
6.2.3.1 Example 1: Mutual Solubility of Acetone with Benzene, Chloroform, and Carbon disulfide 183
6.2.3.2 Example 2: Solubility Screening for Indigo 184
6.3 Solvent Selection for Green Solid Liquid Extraction 187
6.3.1 General Green Solvent Ranking with COSMO–RS 188
6.3.2 Concrete Example: Solid Liquid Extraction of Carnesol and Carnosic Acid from Sage 188
6.3.3 Experimental Validation of COSMO–RS Solvent Ranking 192
6.3.4 Conclusion 192
6.4 Alternative Solvents for Green Extraction 194
6.4.1 Ionic Liquids 194
6.4.2 Low–Transition–Temperature Mixtures and Deep Eutectic Solvents 196
6.4.3 Ionic Liquids Screening with COSMO–RS 197
6.5 Purification Strategies of Natural Products 199
6.5.1 Databased and Calculated Physicochemical Properties 204
6.5.2 Feed Characterization 213
6.5.2.1 Conceptual Process Design 216
6.5.2.2 Modeling Depths and Feed Characterization Approach 219
6.5.2.3 System 1: Vanillin 223
6.5.2.4 Potential Unit Operations for Product Purification 223
6.5.2.5 Data Evaluation 225
6.5.2.6 Model–Based Process Design and Calculation of Separation Costs 225
6.5.2.7 Separation Cost Estimation 228
6.5.2.8 System 2: Tea Aroma 228
6.5.2.9 Data for Potential Unit Operation 228
6.5.2.10 Process Design and Cost Estimation 229
6.5.2.11 Discussion and Conclusions 230
Symbols 231
Greek Letters 232
9.3.8 Bio–suspensions and Yeasts 320
9.3.9 Microalgae 321
9.3.10 Rhizomes 323
9.3.11 Bones 323
9.3.12 Eggshell 324
9.3.13 Leaves 324
9.3.14 Herbs 324
9.3.15 Ginseng 325
9.3.16 Peels 325
9.3.17 Mushrooms 325
9.3.18 Juices and Juice–Based Beverages 326
9.4 Conclusions 327
Acknowledgments 327
References 327

10 Green Extraction of Artemisinin from Artemisia annua L 333
Alexei A. Lapkin
10.1 Introduction 333
10.2 Extraction Technologies for Isolation of Artemisinin from A. annua 333
10.2.1 Industrial Extraction Processes 336
10.2.2 Cleaner and Intensified Processes for Extraction of Artemisinin 339
10.2.2.1 Innovative Process Conditions for Extraction 339
10.2.2.2 Alternative Solvents for Extraction of Artemisinin 340
10.3 Innovation in Artemisinin Purification 346
10.3.1 Hybrid Adsorption Crystallization Separation 346
10.3.2 Column and HPLC Chromatography 347
10.3.3 Countercurrent Chromatography 348
10.4 Analysis of Artemisinin and Co–metabolites 348
10.5 Conclusions and Outlook 350
References 351
Index 357

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