

Contents

Structure Activity Relationships

- Structure Activity Relationships and the Subjectivity of Odour Sensation 3
Thomas Markert
- Relationship of Odour and Chemical Structure in 1- and 2-Alkyl Alcohols
and Thiols 15
Y. Sakoda and S. Hayashi

Analytical

- New Developments in Sorptive Extraction for the Analysis of Flavours and
Fragrances 27
P. Sandra, F. David and J. Vercammen
- Application of Chromatographic and Spectroscopic Methods for Solving
Quality Problems in Several Flavour Aroma Chemicals 39
*Michael Zviely, Reuven Giger, Elias Abushkara, Alexander Kern,
Horst Sommer, Heinz-Juergen Bertram, Gerhard E. Krammer,
Claus Oliver Schmidt, Wolfgang Stumpe and Peter Werkhoff*

Natural Products and Essential Oils

- Commercial Essential Oils: Truths and Consequences 57
Brian Lawrence
- Stable Isotopes for Determining the Origin of Flavour and Fragrance
Components: Recent Findings 84
Daniel Joulain
- Fragrant Adventures in Madagascar: The Analysis of Fragrant Resin from
Canarium madagascariense 92
Robin Clery
- The Effect of Microgravity on the Fragrance of a Miniature Rose, ‘Overnight
Scentsation’ on Space Shuttle (STS-95) 99
Braja D. Mookherjee, Subha Patel and Weijia Zhou

Organic and Bioorganic Chemistry

Ambergris Fragrance Compounds from Labdanolic Acid and Larixol <i>Aede de Groot</i>	113
The Synthesis of Fragrant Cyclopentanone Systems <i>Helen C. Hailes</i>	127
Designing Damascone- and Ionone-like Odorants <i>Philip Kraft</i>	138
Creation of Flavours and the Synthesis of Raw Materials Inspired by Nature <i>Mark L. Dewis and L. Kendrick</i>	147

Flavours/Foods

New Results on the Formation of Important Maillard Aroma Compounds <i>Peter Schieberle and Thomas Hofmann</i>	163
Out of Africa: The Chemistry and Flavour Properties of the Protein Thaumatococcus <i>Steve Pearce and Hayley Roth</i>	178
Stability of Thiols in an Aqueous Process Flavour <i>Chris Winkel, Paul B. van Seeventer, Hugo Weenen and Josef Kerler</i>	194
High Impact Aroma Chemicals <i>David J. Rowe</i>	202
Subject Index	227