

## CONTENTS

1. Characterization of Odor Quality Utilizing Multidimensional Scaling Techniques	1
2. Psychophysical Scaling and Optimization of Odor Mixtures	23
3. Development of fragrances with Functional Properties by Quantitative measurement of Sensory and Physical Parameters	57
4. Sensory Structure of Odor Mixtures	79
5. The Efficacy of n-Aliphatic Alcohols and n-Aliphatic Fatty Acids on Various Membrane Systems with Special Reference to Olfaction and Taste	93
6. Olfaction and the Common Chemical Sense: Similarities, Differences, and Interactions	109
7. Odor and Molecular Vibration: Redundancy in the Olfactory Code	123
8. Computer-Assisted Studies of Chemical Structure and Olfactory Quality Using Pattern Recognition Techniques	143
9. Structure Recognition as a Peripheral Process in Odor Quality Coding	161
10. The Dependence of Odor Intensity on the Hydrophobic Properties of Molecules	177
11. Odorants as Chemical Messengers	195
12. Structure-Activity Relations in Olfaction: From Single Cell to Behavior-the Comparative Approach	211
Index	233