Contents

1 Introduction of Solid-Phase Microextraction ......................... 1
   Shuqin Liu and Gangfeng Ouyang

2 Development of Novel Solid-Phase Microextraction Fibers ........ 17
   Jianqiao Xu and Gangfeng Ouyang

3 Application of Solid-Phase Microextraction in Gas Sampling .... 63
   Xiang Li

4 Solid Phase Microextraction for Sensing Freely Dissolved
   Analytes in Complex Water Sample .............................. 75
   Ruifen Jiang, Jianqiao Xu and Gangfeng Ouyang

5 Application of Solid Phase Microextraction
   in Aqueous Sampling ............................................ 113
   Siming Huang, Juan Zheng and Gangfeng Ouyang

6 Application of Solid-Phase Microextraction in Soil
   and Sediment Sampling ........................................... 141
   Ruifen Jiang and Gangfeng Ouyang

7 Application of Solid-Phase Microextraction Combined
   with Derivatization for Polar Compound Sampling
   in Environmental Analysis ...................................... 177
   Lihua Yang and Tiangang Luan

8 Application of Solid Phase Microextraction in Food
   Analysis—Flavor and Off-Flavor Sampling ........................ 223
   Henryk Jeleń, Małgorzata Majcher and Anna Gracka
9 Applications of In Vivo and In Vitro Solid-Phase Microextraction Techniques in Plant Analysis .................. 247
Fang Zhu and Guosheng Chen

10 Solid-Phase Microextraction in Binding Studies ..................... 287
Dajana Vuckovic
Solid Phase Microextraction
Recent Developments and Applications
Ouyang, G.; Jiang, R. (Eds.)
2017, X, 308 p. 82 illus., 46 illus. in color., Hardcover
ISBN: 978-3-662-53596-7