## 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
<table>
<thead>
<tr>
<th>Chapter</th>
<th>Title</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Applications of In Vivo and In Vitro Solid-Phase Microextraction Techniques in Plant Analysis</td>
<td>247</td>
</tr>
<tr>
<td></td>
<td>Fang Zhu and Guosheng Chen</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Solid-Phase Microextraction in Binding Studies</td>
<td>287</td>
</tr>
<tr>
<td></td>
<td>Dajana Vuckovic</td>
<td></td>
</tr>
</tbody>
</table>
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