

# Preface

Electrochemiluminescence techniques with remarkably high sensitivity and extremely wide dynamic range have hundreds of millions of dollars in sales per year. This technique is extensively used in clinical analysis and scientific research. The book *Electrogenerated Chemiluminescence: Protocols and Applications* is designed as a brief and concise introduction to electrochemiluminescence. The book is committed to furnish the idea of processes, theory, and the recent developments involved in the instrumentation. Another chapter devoted on the coupling of electrogenerated chemiluminescence covers essentially many different techniques combined with electrochemiluminescence in order to attain greater sensitivity and selectivity. Miniaturization/micro total analysis system ( $\mu$ TAS) is an emergent field and is gaining a prospective importance. It is also crucial and important to know something of the language of electrochemiluminescence in terms of miniaturization/ $\mu$ TAS. So we have added a nice approach to view the concepts of the topic. The chapter *Applications of Electrochemiluminescence* is focused on the great potentiality of ECL in various fields.

Our goal in preparing this book is to provide more appropriate and enough understanding of the fundamental concepts about the world of electrochemiluminescence to allow reader to gain knowledge while turning the pages.

This project was kindly supported by the National Natural Science Foundation of China (No. 21175126), Chinese Academy of Sciences (CAS), and the Academy of Sciences for the Developing World (TWAS). The authors would also like to acknowledge Higher Education Commission, Pakistan.

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Electrogenerated Chemiluminescence

Protocols and Applications

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2013, XIII, 152 p. 54 illus., 22 illus. in color., Softcover

ISBN: 978-3-642-39554-3