Surface Enhanced Raman Spectroscopy: Analytical, Biophysical and Life Science Applications
Sebastian Schlücker (Editor), Wolfgang Kiefer (Foreword by)

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**DESCRIPTION**

Covering everything from the basic theoretical and practical knowledge to new exciting developments in the field with a focus on analytical and life science applications, this monograph shows how to apply surface-enhanced Raman scattering (SERS) for solving real world problems.

From the contents:

* Theory and practice of SERS
* Analytical applications
* SERS combined with other analytical techniques
* Biophysical applications
* Life science applications including various microscopies

Aimed at analytical, surface and medicinal chemists, spectroscopists, biophysicists and materials scientists. Includes a Foreword by the renowned Raman spectroscopist Professor Wolfgang Kiefer, the former Editor-in-Chief of the Journal of Raman Spectroscopy.
Sebastian Schlücker obtained his undergraduate and PhD degrees at the University of Würzburg, Germany. After a postdoctoral stay at the US National Institutes of Health (NIH), Bethesda, Maryland, USA from 2002 till 2004, he completed his Habilitation in Physical Chemistry at the University of Würzburg in 2006. He has been Professor of Experimental Physics at the University of Osnabrück, Germany since 2008.

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