Measuring Biological Impacts of Nanomaterials (ed. Wegener J.), Series Title, Bioanalytical Reviews, series volume 5, 2016, Springer International Publishing, ISBN 978-3-319-24821-9, p. 214

There are a lot of successful stories in the field of nanotechnolgy but there is as well an increasing concern about the possible side effects of nano-objects and nanotechnologies. This is the main topic of the book "Measuring Biological Impact of Nanomaterials" which contains 6 chapters covering different aspects of the effects of nanoscale objects on biological structures at molecular and cellular level. The first chapter describes different methods for the characterization of nanoparticles under physiological conditions in connection with the following chapter focused on methodological aspects and details concerning the quantification of nanoparticles cytotoxicity. After these two introductory chapters follow four chapters dealing with dedicated applicative topics: Monitoring the Impact of Nanomaterials on Animal Cells by Impedance Analysis: A Noninvasive, Label-Free, and Multimodal Approach; Interaction of Nanoparticles with Lipid Monolayers and Lung/Surfactant Films/Carbon Nanodots: Synthesis, Characterization, and Bioanalytical and, the last one Applications and Nanoparticles in Biomedical Applications. The preface- which is freely available on internet - is a comprehensive one, each chapter having a very concise description, I would not like to duplicate. I want to stress on clarity of the text, each chapter having also a generous and useful bibliography. The book is also well illustrated, having 100 illustrations from which 56 are in color. The index contains useful terms, being a true tool for the reader. The book is at first edition, being the 5th volume in the area of Bioanalytics and Bioanalytical Chemistry *Bioanalytical Reviews*. As the book is focused mainly on medical aspects, probably, it would be useful to have a subtitle indicating this choice of the editor. This book is a useful tool for students as well as for already mature professionals in the field of nanotechnology, medicine, biology in general.

Ioan I. Ardelean