

research of ENP in the environment and ecosystems. We envision this book will be useful for the sustainable development of nanotechnology.

There are 22 chapters in this book, divided into three parts. Part I has 5 chapters, focusing on the synthesis, application, detection, and characterization of engineered nanoparticles. Part II has 9 chapters, focusing on the environmental release, fate, distribution, and modeling of engineered nanoparticles. Part III has 8 chapters, focusing on the toxicity and risk assessment of engineered nanoparticles under different scenarios. The combination of these 22 chapters provides a comprehensive overview of the characterization, application, environmental processing, modeling, toxicity, and risk assessment of engineered nanoparticles.

This book is a critical and useful reference book for scientists, engineers, professionals, policy makers, and government regulators who are interested in the biophysico-chemical processes and applications of engineered nanomaterials. This book is also an important addition to the existing literature on the subject matter. Further, this book can be used by undergraduate and graduate students, as well as instructors and professors in environmental, aquatic, soil, agricultural, nano, marine, atmospheric, geological, ecological, biological, and chemical science and engineering. The book chapter authors are recognized as leading authorities in their field of research and each chapter was rigorously peer reviewed, similar to refereed journal articles.

This book is Volume IV of the Wiley-IUPAC series in Biophysico-Chemical Processes in Environmental Systems, and is the outcome of IUPAC project 2011-019-1-600, sponsored by Division VI-Chemistry and the Environment. It was published by Wiley in October 2016 with a total of 484+XIII pages. The book is available in both electronic (ISBN: 9781119275824) and print (ISBN: 9781119275848) versions.

www.wiley.com/WileyCDA/WileyTitle/productCd-1119275822.html

<https://iupac.org/project/2011-019-1-600>

Compendium of Terminology and Nomenclature of Properties in Clinical Laboratory Sciences

Georges Férard, René Dybkaer, and Xavier Fuentes-Arderiu

RSC 2017, Print ISBN: 978-1-78262-107-2

There has been significant expansion and development in clinical laboratory sciences, particularly in metrological concepts, definitions, and terms, since the previous edition of this —also known as the IUPAC Silver book— was published in 1995. It is of prime importance to standardize laboratory reports for the reliable exchange of patient examination data without loss of meaning or accuracy. New disciplines have appeared and the inter-

relationships between different disciplines within clinical laboratory sciences demand a common structure and language for data exchange, in the laboratory and with the clinicians, necessitating additional coverage in this book. These new sections are based upon recommendations published by various national, regional, and international bodies, especially IUPAC and IFCC. This book groups and updates the recommendations and will be appropriate for laboratory scientists, medical professionals, and students in this area.

This second edition of the Compendium of Terminology and Nomenclature of Properties in Clinical Laboratory Sciences was discussed in an IFCC and IUPAC joint Working Group: René Dybkaer (Frederiksberg); Georges Férard (Strasbourg, Chair); Françoise Pontet (Paris, co-Chair); Xavier Fuentes-Arderiu (Barcelona); Dongchon Kang (Kyushu); Gilbert Hill (Toronto); Clement Mc Donald (Indianapolis); and Anders J. Thor (Stockholm).

<https://iupac.org/project/2007-033-3-700>

<https://doi.org/10.1039/9781782622451>

