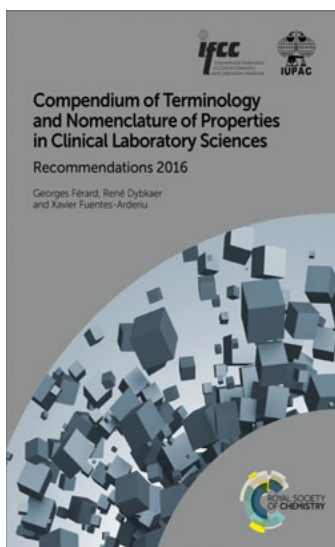
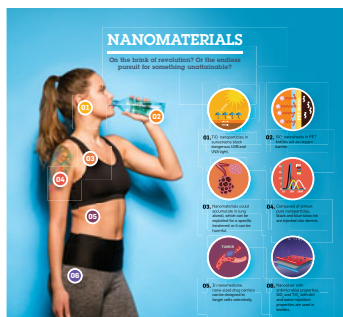


Contents

CHEMISTRY International April-June 2017 Volume 39 No. 2



See Centerfold—A handy 4-page pull-out offers a concise summary of the Silver Book and the NPU Format for Clinical Laboratory Science Reports Regarding Properties, Units, and Symbols

IUPAC in São Paulo 2017 2

Features

IYCN: A Journey That Has Just Begun by Christine Dunne and Fernando Gomollón-Bel 4

IUPAC Facilitating Chemistry Data Exchange in the Digital Era by Leah Rae McEwen 6

Nanomaterials—On the Brink of Revolution? Or the Endless Pursuit of Something Unattainable? by Emma Perkin and Vladimír Gubala 10

Hero Worship in Words: Imitating the Grand Style of R. B. Woodward by Jeffrey I. Seeman 14

IUPAC Wire

The IUPAC 2017 Distinguished Women in Chemistry 18

Neil Garg is the Recipient of the 2016 Thieme–IUPAC Prize 18

The Franzosini Award of 2016 19

A Global Approach to the Gender Gap 19

New InChI Software Release 20

Project Place

Database on Molecular Compositions of Natural Organic Matter and Humic Substances 21

Integrating Green Chemistry and Socio-Sustainability in Higher Education 21

NUTRIAGEING: Combining Chemistry, Cooking, and Agriculture Safety Training Program 24

Bookworm

Engineered Nanoparticle and the Environment 28

Compendium of Terminology and Nomenclature of Properties in Clinical Laboratory Sciences 29

Making an ImPACT

Isotope-Abundance Variations and Atomic Weights of Selected Elements 30

Names of Elements 113, 115, 117, and 118 30

On the Naming of Recently Discovered Chemical Elements 30

Provisional Recommendations

Terminology of Bioanalytical Methods 33

Nomenclature and Terminology for Dendrimers with Regular Dendrons and for Hyperbranched Polymers 33

Definition of the Mole 33

Terminology of Separation Methods 33

Notes

IUPAC Standards and Recommendations by Ron Weir 34

Conference Call

Chemical Industry of Sustainable Development 36

Bioinspired and Biobased Chemistry & Materials 36

International Carbohydrate Symposium 37

Validation of Test Methods, Human Errors and Measurement Uncertainty of Results 40

Where 2B & Y 43

Mark Your Calendar 46