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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Elastomeric Actuators Based on Ethylene-Vinyl Acetate and Carbon Nanotubes -- Identification of Volatile Compounds from Flowers and Aromatic Plants: How and Why? -- An Investigation into the Use of Concept Cartoons in the Teaching of “Metals and the Reactivity Series” at the Secondary Level -- Electron Correlation Energy in the Ground State of the Helium Sequence -- Hydrocarbon Generating Potentials of Benue Trough Coals -- Risk Assessment and Toxic Effects of Exposure to Nanoparticles Associated with Natural and Anthropogenic Sources -- Immunomodulatory Activity of Phenolic Fraction from Piper Borbonese and Cassytha Filiformis Growing in Comoros Islands -- Need for Smoking Cessation Support for Better Health of Employees -- Preparation and Characterization of some Imidazoles and Formimidoyl-1H-imidazoles from Formamidines -- Synthesis and Characterization of 6-Carbamoyl-2-Alkyl-9-(Phenyl or Benzyl)-9H-Purines -- Therapeutic Potential of Common Culinary Herbs and Spices of Mauritius -- Metal Burden as Template for Assessing the Quality of Raw

Water Sourced From Two Rivers by Lagos State Water Corporation, Nigeria -- Adsorption of Selected Ions on Ferro-Precipitates from Aqueous Solutions -- Stochastic Approach for Enzyme Reaction in Nano Size via Different Algorithms -- Enhancing Conceptual Understanding of the “Chemistry of Life”at the ‘A’-Level Through Use of Computer Animations -- NaBH4-Mediated Complete Reduction of the ,-Unsaturated Ketone Units of Chalcones in the Synthesis of Flavans -- Workshop on Unlocking the Potential for Low-Cost Teaching in 3rd World Countries -- Percolation Studies of Single- and Multi-Walled Carbon Nanotubes/ Poly(methyl methacrylate) Nanocomposites -- Chemistry Aid: How Innovative Solutions to Chemistry Education are Making a Difference -- Synthesis and Characterization of Some New Metal Complexes of Condensation Reaction Products of 3-Amino-1,2,4-Triazole with Isatin, N-Acetylisatin and Bis(2,3-Dioxoindolin-1-yl)Mercury(II).-Propericiazine as a Reagent for the Spectrophotometric Determination of Osmium -- An Assessment of Physico-Chemical Parameters of Ganga Water Using Multivariate Analysis -- Toxicity Studies of Trachyspermum ammi (L.) Sprague ex Turrill and its Smooth Muscles Effects -- Metal Levels in Traditional Chinese and Ayurvedic Medicines -- A Comparative Study on Preserving Milk Using Grass Species Hyperenium Rufa for Fumigating Milk Containers and Pasteurisation.

Sommario/riassunto

Chemistry: The Key to our Sustainable Future is a collection of selected contributed papers by participants of the International Conference on Pure and Applied Chemistry (ICPAC 2012) on the theme of “Chemistry: The Key for our Future” held in Mauritius in July 2012. In light of the significant contribution of chemistry to benefit of mankind, this book is a collection of recent results generated from research in chemistry and interdisciplinary areas. It covers topics ranging from nanotechnology, natural product chemistry to analytical and environmental chemistry. Chemistry: The Key to our Sustainable Future is written for graduates, postgraduates, researchers in industry and academia who have an interest in the fields ranging from fundamental to applied chemistry.