

1. Record Nr.	UNINA9910254046603321
Titolo	Crystallizing Ideas – The Role of Chemistry // edited by Ponnadurai Ramasami, Minu Gupta Bhowon, Sabina Jhaumeer Laulloo, Henri Li Kam Wah
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-31759-8
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (375 p.)
Disciplina	541
Soggetti	Inorganic chemistry Physical chemistry Environmental chemistry Inorganic Chemistry Physical Chemistry Environmental Chemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Chemical Insights from Systematic Structural Studies. The 'Stamp Collecting' Approach to Understanding the Solid State -- Bioactive Molecules of Marine Invertebrates from South-West Indian Ocean: Status and Perspectives -- Rhenium: Coordination Chemistry and Radiopharmacy -- Hyphenated Technique of LC-PDA-MS/MS for Phytochemical Profiling of Ficus deltoidea -- Inverse Virtual Screening in Drug Repositioning: Detailed Investigation and Case Studies -- Doping Effect on Melting Temperature for Gold-Copper Bimetallic Nanocluster and Dependency on Bulk Melting Temperature to the Potential Model -- Correlation of the Experimental and Theoretical Study of Some Novel 2-Phenazinamine Derivatives in Terms of DFT-Based Descriptors -- Analyzing Interaction Energy of Polycyclic Aromatic Hydrocarbons (PAH) Dimers -- A Uranium-Based Isothiosemicarbazone Schiff Base Complex -- Theoretical Investigation of the Conformational Stabilities, Internal Rotations, and Vibrational Infrared Spectra of 2-Formylpyridine, 3-Formylpyridine and 4-

Formylpyridine -- Novel -Butyrolactone Derivatives as Muscarinic Receptor Antagonists: Pharmacophore Elucidation and Docking Analyses -- Physico-Chemical and Microbiological Studies of Soils in Amaravathi River Bed Area, Karur District, Tamil Nadu, India -- Optical Model Calculation of the Total Penning Ionization Cross Section for Ne (3P1) by O2 -- Impact of Land-Use Changes on Groundwater Quality from Sangamner Area, Maharashtra, India -- Polycyclic Aromatic Hydrocarbons and Health Risk Assessment of Selected Household Borehole Water of Lagos-Ogun Axis, Nigeria -- Visualization of Chemical Reaction Based on Quantum Calculation for Teaching Material-Addition of Halogens to Cyclopentene -- Synthesis and Characterization of Co(II), Ni(II) and Cu(II) Complexes with Thio-1,3,4-Oxadiazole Derivatives -- Crystals of Sugar to be Consumed Sparsely and Other Healthy Behaviours -- An Approach to Developing Electronic Laboratory Textbook-Experimental Program of Esterification of Acetic Acid and Ethanol -- Dechlorination of Selected Pesticides in Water using Catalytic Bimetallic (Fe-Pd) Nanoparticles Immobilized on MgAlO Support -- Forensic Analysis of Black, Blue, Red and Green Ballpoint Pen Inks -- Promoting Conceptual Understanding of "Chemical Energetics" at 'A'-Level through Guided Inquiry -- The Study of the Microstructure and Interfacial Reaction of Binary Composite Coating.

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Sommario/riassunto

Twenty-three carefully selected, peer-reviewed contributions from the International Conference on Pure and Applied Chemistry (ICPAC 2014) are featured in this edited book of proceedings. ICPAC 2014, a biennial meeting, was held in Mauritius in June 2014. The theme of the conference was "Crystallizing Ideas: The Role of Chemistry" and it matched the declaration of the year 2014 as the International Year of Crystallography. ICPAC 2014 was attended by 150 participants from 30 countries. The chapters in this book reflect a wide range of fundamental and applied research in chemistry and interdisciplinary subjects. Crystallizing Ideas - The Role of Chemistry is written for graduates, postgraduates, researchers in industry and academia who have an interest in the fields ranging from fundamental to applied chemistry.

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