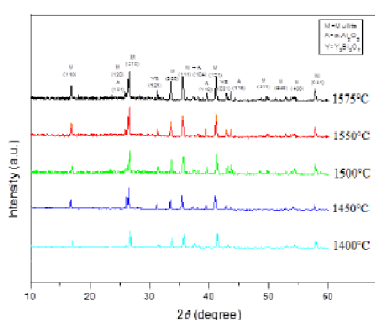


CONTENTS

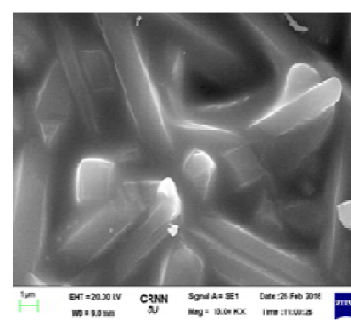
Inorganic Chemistry

The effect of 1:1 boehmite and Y_2O_3 mixed dopant on sintering characteristics, phase assemblage and microstructure of reaction sintered mullite compact derived from bauxite, fly ash and precipitated silica vis a vis individual one

Souvik Dey, Arabinda Mondal and Tapan Kumar Parya
pp. 1371-1380



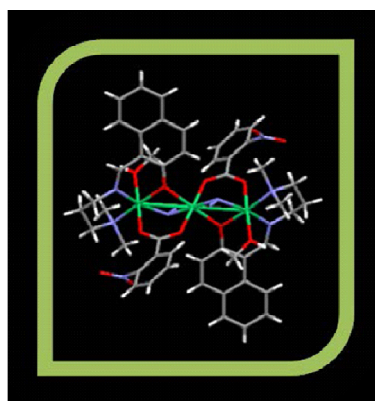
Powder XRD patterns of sintered compacts fired at different temperatures



SEM micrograph of sintered mullite fired at 1575°C

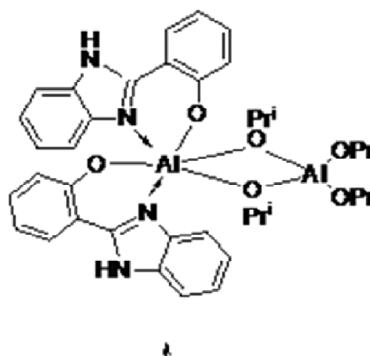
Synthesis and crystal structure of a mixed bridged trinuclear Ni(II) complex derived from a tridentate NNO donor Schiff base ligand

Ritupama Biswas
pp. 1381-1385



Aluminium(III) derivatives of N and O chelating ligands: Preparation, spectral [IR (1H , ^{13}C and ^{27}Al) NMR] and mass studies

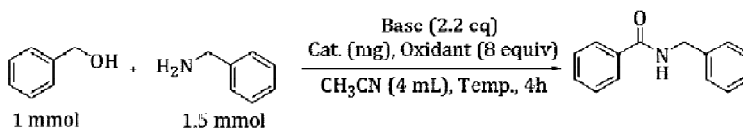
Meenakshi, Ajeet Kumar Kushwaha, Avadhesh Pratap Singh and Raj Kumar Dubey
pp. 1387-1394



Formation of amides from alcohols and amines using maghemite-copper oxide nanocomposite as catalyst

Hassan Hassani and Foad Shaghayeghi Toosi

pp. 1395-1401



Green synthesis of nickel nanoparticles using *Sterculia foetida* leaf extract and application of antioxidant, photocatalytic and antibacterial activity

N. Usha Rani, P. Pavani, S. L. Tulasi and P. T. S. R. K. Prasadrao

pp. 1403-1408

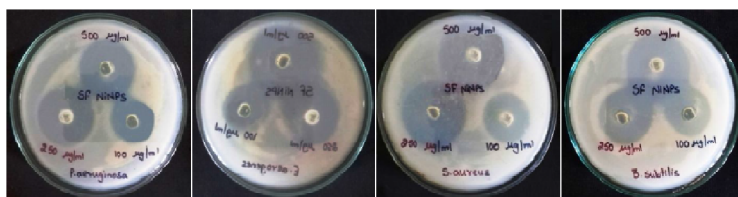


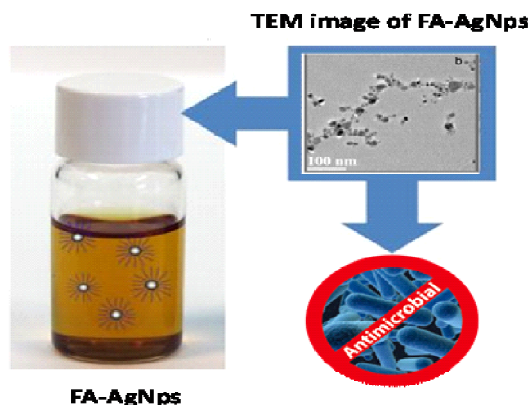
Illustration of zone of inhibition of synthesized nickel nanoparticles against four different bacterial strains

Organic Chemistry

Synthesis, characterization and antibacterial activity of fumaric acid incorporated silver nanoparticle hydrogel

Syed Ilias Basha, Somnath Ghosh, K. Vinoth Kumar, B. Ramesh, P. Hema Prakash Kumari and Ethirajan Sukumar

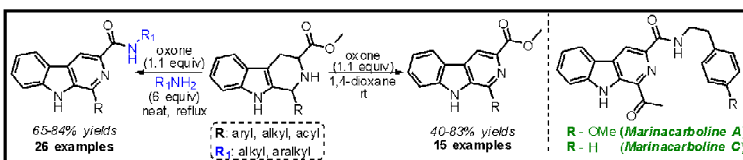
pp. 1409-1412



Oxone mediated effective aromatization of tetrahydro-β-carbolines: A facile synthesis to β-carboline-3-esters/amides and marinacarboline A and C

Narsaiah Battini, Srujana Marri and Satyanarayana Battula

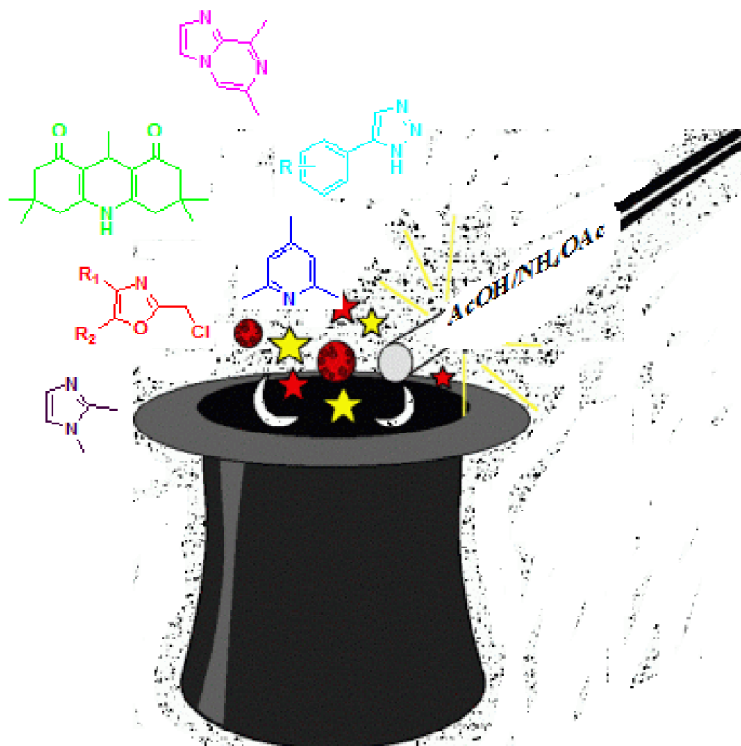
pp. 1413-1418



Ammonium acetate in acetic acid: A versatile chemical mixture in organic synthesis

Md. Firoj Hossain

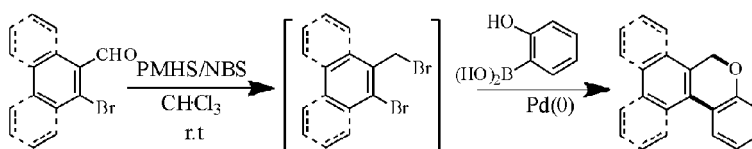
pp. 1419-1927



One-pot synthesis of chromenes by Suzuki-Miyaura cross-coupling reactions with benzyl bromides

Atiur Ahmed

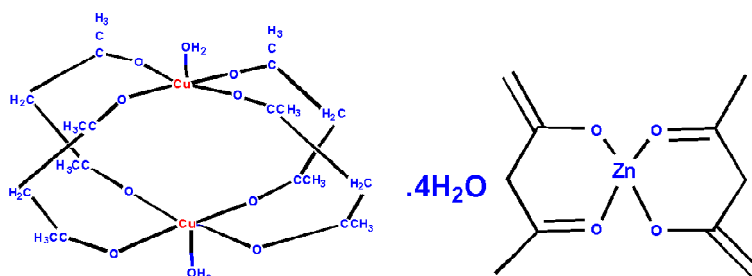
pp. 1429-1432



Electroorganic synthesis of the metal chelates of a novel ligand: Acetylacetone

M. Alam and Shreya Gorai

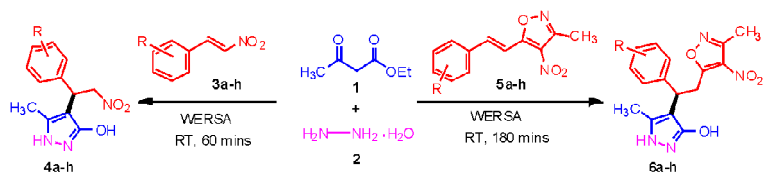
pp. 1433-1437



A facile synthesis of pyrazole derivatives in neat WERSA

Paidi Raju Dannana, L. Vaikunta Rao and B. S. A. Andrews

pp. 1439-1444

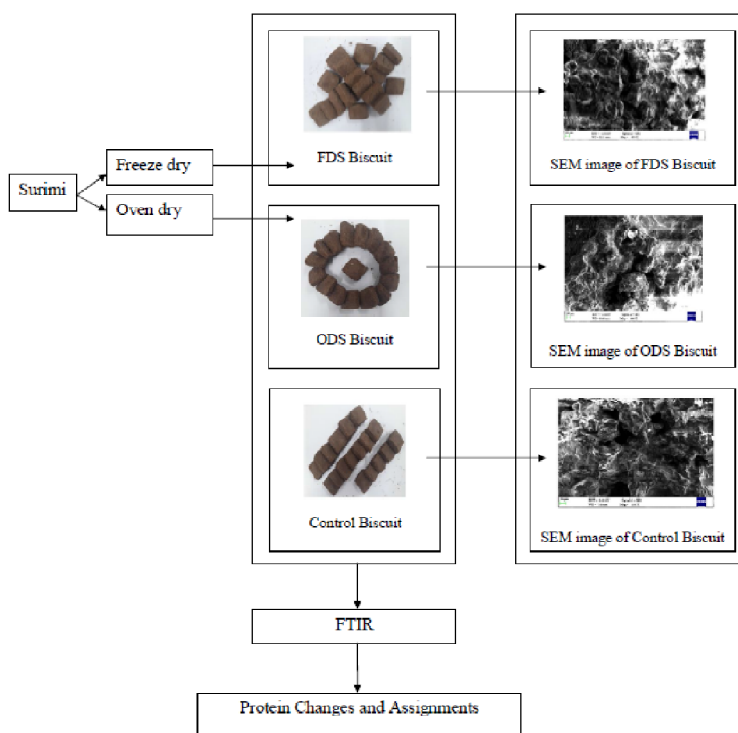


Analytical Chemistry

Functional and structural characteristics of chocolate flavoured biscuits incorporated with surimi powder from *Nemipterus* species

A. Brita Nicy, P. Velayutham, P. Ganesan, S. Balasundari, N. Neethiselvan, R. Jeya Shakila and V. Kanaga

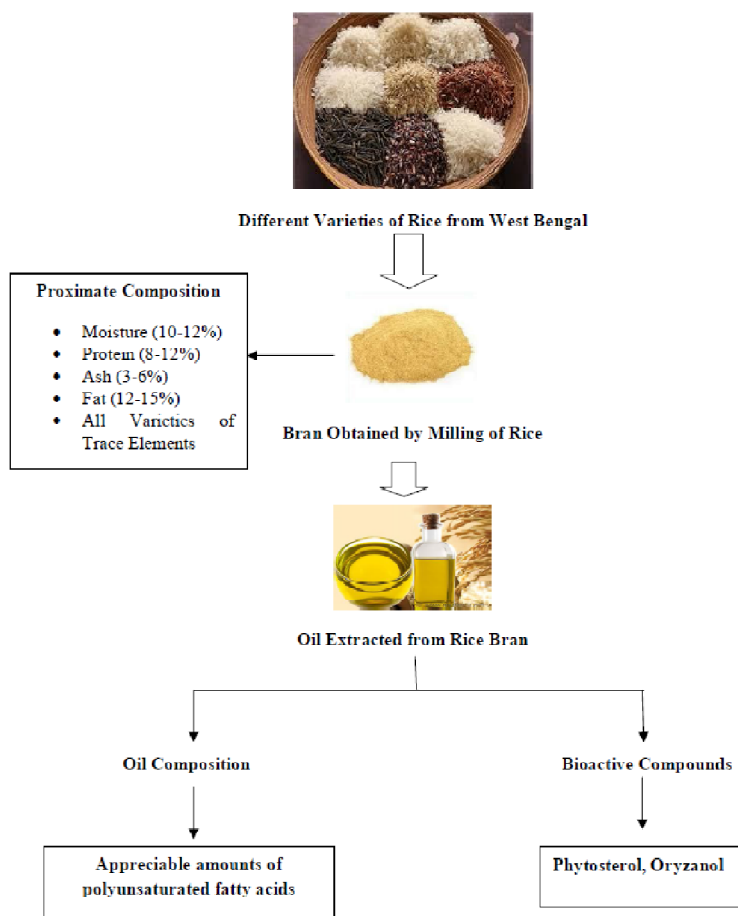
pp. 1445-1448



Characterizations of different varieties of rice bran samples available in West Bengal, India for their proximate composition, oil composition and bioactive compounds present in oil

Nandita Das, Avery Sengupta and Mahua Ghosh

pp. 1449-1454



Environmental Chemistry

Indoor air quality (IAQ) investigation in primary schools at Hamirpur (India)

Venu Shree Bhanu M. Marwaha and Pamita Awasthi

pp. 1455-1460

