Contents

Research Papers

Simple and Sensitive Spectrophotometric Determination of Ganciclovir Using Bromate-Bromide, M-Cresol Purple and Erioglaucine
P J RAMESH, K BASAVAIAH, CIJO M XAIVIER, K N PRASHANTH, M S RAGHU and K B VINAY ... 1

Preparation of Nanoclay/Polypropylene Nanocomposite and Study of its Rheological and Mechanical Properties
VINEETA NIGAM, TRIPTI DIXIT, G LAL, VIJAY KUMAR and A K SAXENA ... 11

Effects of Composts on Sorption and Dissipation of Tetracyclines in Different Soils of Aligarh District
O P BANSAL ... 21

Adsorption of Cd(II) by Chitosan: Langmuir Isotherms Studies
P S JASSAL and V P RAUT ... 31

Docking, QSAR and CoMFA Studies on Arecoline Analogues as Muscarinic Acetylcholine Receptor (mAChR) M, Agonists
S BALAJI, D S PRASANNA and K S RANGAPPA ... 41

Spectrophotometric Determination of Urea in Urine Samples by using Bispyrazolone Method
VINEET SHARMA, JITENDER MOHAN KHURANA and KAMBADUR MURALIDHAR ... 51

Abiotic Stress Response of Transgenic Arabidopsis Overexpressing Brassica napus Group 1 LEA Genes
MONIKA DALAL, VISWANATHAN CHINNUSAMY and KAILASH C BANSAL ... 57

Simple, Sensitive and Selective Spectrophotometric Methods for the Determination of Methdilazine in Pharmaceuticals through Charge Transfer Complex Formation Reaction
M S RAGHU and K BASAVAIAH ... 65

Injection/Suction Effects on Hydromagnetic Oscillatory Convective Flow in a Rotating Vertical Porous Channel with Thermal Radiation
K D SINGH ... 79
Expression Analysis of C$_4$ Photosynthetic Pathway Related Genes in Seven Rice Genotypes During Grain Filling Stage
S K MUTHUSAMY, S K SINGH, I SINGH, A K SINGH, V CHINNUSAMY and K C BANSAL ... 91

Short Communications

Origin of petiole and midrib in Arabidopsis thaliana
JASMINE M SHAH and TUFAIL BASHIR ... 99

Fourteen Observational Evidences Suggesting a Need for Reconsideration of the Laws of Motion
HASMUKH K TANK ... 103

Possible Explanations for: (i) The Accelerated Expansion of the Universe and (ii) The Relative Strengths of Gravitational and Electric Forces
HASMUKH K TANK ... 107

Cumulative-Phase-Alteration of Galactic-Light Passing Through Cosmic-Microwave-Background: A Possible Mechanism for Some Spectral-Shifts
HASMUKH K TANK ... 111

Forthcoming Articles ... 115