Regd. No. 16423/68

Proceedings of the Indian National Science Academy

Vol. 63, Part A, No. 5 **September 1997**

CONTENTS

Page

Research Review :

Quantitative Structure–Activity Relationship Studies on Non-Benzodiazepines Binding to Benzodiazepine Receptors
S P Gupta and Anitha Paleti 365

Research Articles:

Copper-Catalysed Reactions of Diazoacetophenones with Benzophenone Imine via Ketenes
Girija Shankar Singh 383

Binding Energy of a Shallow Impurity Center in a Polar Crystal Interface
S Madkour 387

X-Ray Data on Lithium Ammonium Sulphate Binary Systems
M L N Madhu Mohan and C Haranadh 397

Turbulent Kinetic Energy Budget Parameters Over Varanasi from MONTBLEX-90
D V Viswanadham, A N V Satyanarayana, Stuti Mishra and P Parthasarathi 403

Unsteady Dusty Fluid Flow Through a Circular Cylinder with Time Varying Pressure Gradient
S N Maitra 413

Coordination Compounds of Potential Bioinorganic Interest : Synthesis, Magnetic and Spectral Studies of Some Novel Lanthanum (III) Chelates of Schiff Bases Derived from a Pyrazolone Based Heterocyclic β-Diketone
R C Maurya 421

Rainfall-Runoff Model for Silent Valley Catchment of Nilgiri Biosphere Reserve
A K Murali, K E Sreedharan and E J James 427

Published by *Shri S.K. Sahni,* Executive Secretary, Indian National Science Academy, Bahadur Shah Zafar Marg, New Delhi-110002 and printed at *Aakriti Graphics,* B-62/10, Naraina Industrial Area-II, New Delhi-110028. Phone : 5700089