

**Journal of the Indian Institute of Science
Bangalore 560 012, India**

Volume 70

September–October 1990

Number 5

CONTENTS

Thermochemistry

K. V. Rajagopalan,
R. Kalyanaraman and
M. Sundaresan

Standard enthalpies of formation of sulfo- 409
salicates of calcium, magnesium, zinc and
aluminium

Short communications

Peptide Chemistry

G. N. Jham, R. E. Cover and
J. Kovacs

Coupling and racemization rate constants 419
and alanine- and glycylalanine-active esters

Fish Histology

G. M. Nijaguna, Katre Shakuntala
and S. Ravichandra Reddy

Microanatomy and histology of the alimentary tract of the air-breathing fish *Channa gachua* (Hamilton): SEM study 425

Palynology

Jyothi Nayyar, Anand Kumar and
C. G. K. Ramanujam

Monitoring of *Parthenium* pollen in the 435
atmosphere of Hyderabad and its environs

Pesticide Residue Analysis

R. Ray and S. F. Hameed

An improved concept of minimum detectable 441
limit in pesticide residue analysis

Microbial Physiology

K. Sasikala and CH. V. Ramana

Ammonia leaching by resting cells of a 447
photosynthetic purple non-sulfur bacterium,
Rhodobacter sphaeroides O.U. 001

Pharmaceutical Sciences

Y. V. Pathak, M. Shingat Giri and
A. K. Dorle

Evaluation of rosin as film-coating material 451
for enteric coating-II—*in vivo* studies

IISc Theses Abstracts

455

Book Reviews

493