

CUPRINS ♦ SOMMAIRE ♦ TABLE OF CONTENTS

celebration of
Acad. Profesor Dr. Doc. Victor Emanuel Sahini VII

PHYSICAL CHEMISTRY

1. POTASSIUM HEXACYANOFERATE(III) CYCLIC VOLTAMMETRY IN "MIDDLE PHASE"	9
M.I. Florea, Otilia Cinteza and C. Mihailciuc	
2. PRELIMINARY COMPARATIVE STUDY OF THERMAL BEHAVIOR OF PURE CHOLESTEROL AND CHOLESTANOL	15
Mihaela Manea, Valentina Chiosa and Cristina Mandravel	
3. HEAT OF COMBUSTION OF SOME SATURATED DICARBOXYLIC ACIDS FROM GROUP CONTRIBUTIONS	21
Viorica Meltzer, Elena Pincu and Gabriela Cristescu	
4. A DSC STUDY OF THE THERMAL DECOMPOSITION OF 2-METHOXYAMINO-3, 5-DINITRO-PYRIDINE.....	25
Adina Magdalena Musuc, Domnina Razus and D. Oancea	
5. THE INFLUENCE OF SELECTIVE SOLVATION ON THE KINETICS OF REACTION BETWEEN MALACHITE GREEN AND HYDROXIDE ION.....	31
Adina Raducan, Mihaela Puiu and D. Oancea	
6. UV-VIS SPECTRAL STUDY OF SOME CALCIUM CHANNEL BLOCKERS SUPERMOLECULAR COMPLEXES	37
I. Stănculescu, D. Landy and G. Surpățeanu	
7. THE CO ₂ DENSITY VARIATION IN THE SUPERCRITICAL EXTRACTION OF ANET ESSENTIAL OILS.....	43
Manuela Zorca, I. Găinar and Daniela Bala	

ANALYTICAL CHEMISTRY

8. CHARACTERIZATION OF SOME MICROSTRUCTURED POLYMER BLENDS BY MECHANICAL TESTS AND ATR-FTIR SPECTROMETRY	49
Zenovia Moldovan, Florica Ionescu, Ioana Vasilescu, Simona Lițescu and G.L. Radu	

9. THE ADSORPTION OF HEAVY METAL IONS ON POROUS CALCIUM ALGINATE MICROPARTICLES.....	59
Iulia Niță, Monica Iorgulescu, Manuela Florea Spiroiu, M. Ghiurea, C. Petcu and Otilia Cintează	
PHARMACEUTICAL CHEMISTRY	
10. VALIDATION REPORT FLAME ATOMIC ABSORPTION SPECTROMETRY ASSAY FOR IRON DETERMINATION IN PHARMACEUTICAL PRODUCTS FOR VETERINARY USE.....	69
Mihaela Scripcariu, I.G. Tănase and V. Magearu	
ENVIRONMENTAL CHEMISTRY	
11. PHYSICO-CHEMICAL AND BIOLOGICAL ANALYSES FOR DANUBE WATER	75
Aristica Balaban and Elena Constantinescu	
12. THE CALCULATION OF POLLUTANTS OCTANOL/WATER PARTITION COEFFICIENT. (I) CHLORODERIVATIVES.....	83
Roxana Done, Georgiana Mîndrilă and Ioana Stănculescu	
13. MONITORING OF SOILS CHARGED WITH HEAVY METALS	87
R.C. Fierăscu, Irina Dumitriu and V. Munteanu	
PH. D. THESIS IN CHEMISTRY PRESENTED IN 2006 AT THE BUCHAREST UNIVERSITY.....	93
SCIENTIFIC EVENTS OF THE YEAR 2006	95
NOTE TO THE AUTHORS	99