

CUPRINS ◇ SOMMAIRE ◇ TABLE OF CONTENTS

in memoriam

Profesor Dr. Docent Nicolae Barbulescu (1930-2008).....v

PHYSICAL CHEMISTRY

1. ELECTROCHEMICAL PREPARATION AND CHARACTERIZATION OF POLY (3-METHYLTHIOPHENE)-COBALT HEXACYANOFERRATE-MODIFIED PLATINUM ELECTRODE USING CYCLIC VOLTAMMETRY	7
Andra Sorina Dobre, Mirela Dascalu and C. Mihailciuc	
2. SURFACE TENSION COMPONENTS OF PLASMA TREATED POLYSULPHONE MEMBRANES	13
Manuela Florea-Spiroiu, Mihaela Olteanu, Viorica Stanescu and G. Nechifor	
3. ERROR PROPAGATION IN EVALUATION OF THE MAXIMUM EXPERIMENTAL SAFE GAP VIA QUENCHING DISTANCE MEASUREMENTS	19
Mihaela Puiu, Nicoleta-Gabriela Mușat, V. Munteanu and D. Oancea	
4. ELECTROSYNTHESIS AND CHARACTERISATION OF A COBALT HEXACYANOFERRATE-POLY(3-METHYL-THIOPHENE) MODIFIED PLATINUM ELECTRODE USING CYCLIC VOLTAMMETRY	25
Ileana Sandu, Ioana Vlaicu, Alina Cristian and C. Mihailciuc	
5. A NEW DESIGN FOR THE CRUCIAL EXPERIMENT INSTALLATION RELATED TO MAGNETIC SUSCEPTIBILITY DETERMINATION	33
A. Soare and Cristina Mandravel	
6. RAMAN SPECTRA OF DECAYED WOOD SAMPLES.....	41
Ioana Stănculescu, M. Virgolici, Mihaela Manea and C. Ponta	
7. USING FRACTAL ANALYSIS TO DESCRIBE COLLAGEN-CHITOSAN MATRICES	47
Viorica Stănescu, Mihaela Olteanu, Manuela Florea-Spiroiu and M. Rusu	

ENVIRONMENTAL CHEMISTRY & EDUCATION

8. DESIGNING LABORATORY ENVIRONMENT AND EXPERIMENTS FOR SOME DISCIPLINES CORRELATED WITH STRUCTURE, POLLUTANTS TOXICITY AND MOLECULAR INTERACTIONS STUDY (I).....	53
Valentina Chiosa and Ioana Stănculescu	
9. THE SECOND JOINT DANUBE SURVEY EXPEDITION – HAZARDOUS METALS AND METALS CONCENTRATION FROM DANUBE RIVER SEDIMENT	61
Ioana Enache	

10. CHARACTERIZATION OF THE TRANSFER PHENOMENA FOR AN AQUATIC ECOSYSTEM.....	71
Florentina Lorena Soare	
11. FTIR ASBESTOS PRESENCE IDENTIFICATION IN THE OCCUPATIONAL ENVIRONMENT	79
Rodica Stănescu-Dumitru	
THE NEW MANAGEMENT TEAM AT THE FACULTY OF CHEMISTRY	85
PH. D. THESIS IN CHEMISTRY PRESENTED IN 2008 AT THE BUCHAREST UNIVERSITY	87
NOTE TO THE AUTHORS	89