Table of contents

DNA APTAMERS: STRUCTURE, PHYSICAL PROPERTIES AND BIOSENSING APPLICATIONS	10
DOES GANGLIOSIDE GM1 PROMOTE NEURODEGENERATION OR DOES IT ACT NEUROPROTECTIVE?	
MOLECULAR INSIGHTS FROM SINGLE MOLECULE FLUORESCENCE	11
CHARGE TRANSPORT IN SINGLE MOLECULE JUNCTIONS	12
ANTICANCER METALLODRUGS: MECHANISTIC INSIGHTS	14
ELECTROCHEMISTRY OF PROTEIN-LIPID MEMBRANE COMPLEXES	15
ELECTROCHEMICAL AND ELECTROPHORETIC DEPOSITION OF MATERIALS OBTAINED BY ANODIC DISSOLUTION OF METALS IN WATER	16
COMPUTATIONAL THERMODYNAMICS - TOOL FOR DEVELOPMENT OF ADVANCED MATERIALS	17
ULTRASENSITIVE H ₂ O ₂ SENSING BY Ti ₃ C ₂ T _x MXene MODIFIED GLASSY CARBO ELECTRODE	
INTERACTION OF PROTEINS WITH SURFACES VIEWED BY CHRONOPOTENTIOMETRIC STRIPPING ANALYSIS	21
FROM POLAROGRAPHY TO ELIMINATION VOLTAMMETRY	23
MOLECULARLY IMPRINTED POLYMERS – (BIO)ANALYTICAL PLATFORM WITH WIDE RANGE OF APPLIACTIONS	
EXPERIMENTAL STUDY OF AL-CU-ZN PHASE DIAGRAM	26
DETERMINATION OF THE DIMER-MONOMER EQUILIBRIUM OF THE 14-3-3 PROTEIN	28
SYNTHESIS OF COMPOSITES OF GRAPHENE OXIDE WITH METAL NANOPARTICLES AND THEIR ANTIMICROBIAL ACTIVITY	29
CHARACTERISATION OF ENTEROKINASE BY CHRONOPOTENTIOMETRIC STRIPPING ANALYSIS	33
SURFACE PLASMON RESONANCE BIOSENSOR FOR DETECTION OF PREGNANCASSOCIATED PLASMA PROTEIN A2	
ELECTROCHEMICAL INVESTIGATION OF NEW LOW-TEMPERATURE ELECTROLYTES FOR ALUMINIUM PRODUCTION	37
STABILITY OF ENCAPSULATED CISPLATIN IN LIPOSOMES- NEW PERSPECTIVE	E 30

ORGANIC ELECTROCHEMICAL TRANSISTORS FOR REAL-TIME CELL OBSERVATION
ELECTROCHEMICAL DETECTION OF DNA METHYLATION USING MULTIWALLED CARBON NANOTUBES
THE ORIGIN OF GUANINE OXIDATION DOUBLE PEAK
DETERMINATION AND COMPARISION OF MICELLE RADIUS OF DIFFERENT SURFACTANTS USING FÖRSTER RESONANCE ENERGY TRANSFER
FLUORESCENE METHOD FOR MEASURING CELL PROLIFERATION BY IMAGE ANALYSIS OF CELL CONFLUENCY
TITANIUM DIBORIDE AS NEW ELECTRODE MATERIAL FOR ELECTROCHEMICAL PREPARATION OF ALUMINIUM
PENCIL GRAPHITE ELECTRODE AS A PROMISING TOOL FOR ELECTROANALYSIS OF METHYLGUANINES
LABEL-FREE ELECTROCHEMICAL APTASENSOR FOR CANCER DIAGNOStic 52
LiFePO ₄ /SULFUR COMPOSITES AS CATHODE MATERIALS FOR HIGH PERFORMANCE Li-S BATTERIES
EFFECT OF AMPELOPSIN ON BIOTRANSFORMATION ENZYMES55
AGGREGATION BEHAVIOUR OF HYALURONAN-CATIONIC SURFACTANT SYSTEM STUDIED BY FLUORESCENT HYDROPHOBIC PROBES
A NOVEL PROCEDURE FOR CONSTRUCTION OF AN APOFERRITIN NANOCARRIER WITH ENCAPSULATED ELLIPTICINE
ASCORBIC ACID ELECTROCHEMICAL DETERMINATION IN COMMERCIAL PRODUCED JUICES
DEAE/SDS AND CHITOSAN/SDS HYDROGELS
ANTIBODY TREATMENT OF LUNGS – INHALATION EFFICIENCY 64
TERAHERTZ WAVEMIXING IN A CHI(3) MEDIUM
THE COMPARISON OF THE CELL PROLIFERATION ANALYSIS METHODS67
ENHANCED GENOTOXICITY OF PLANT ALKALOIDS ARISTOLOCHIC ACID I AND II AFTER THEIR COMBINED APPLICATION TO RATS
TIN MICROELECTRODE CHAMBER COATING FOR IMPROVED CARDIOMYCYTE CELL ADHESION AND ELECTROPHYSIOLOGICAL CHARACTERIZATION
THERMODYNAMIC AND KINETIC STUDY OF 14-3-3Z DIMERIZATION

OXIDATION OF AN ANTICANCER DRUG VANDETANIB BY RAT CYTOCHROMES	,
P450 AND FLAVIN MONOOXYGENASES IN VITRO	.74
GET TO KNOW METROHM	.76