

CONTENTS

PLENARY LECTURES – PLE

- PLE-1 Eliezer Gileadi
TIME-RESOLVED KINETICS OF ELECTRODE REACTIONS
- PLE-2 Toško Mišev
INDUSTRIAL RESEARCH; MANAGEMENT TOOLS FOR SUCCESSFUL NEW PRODUCT DEVELOPMENT
- PLE-3 Panče Naumov
FLIPS, SPINS, TWISTS, TUMBLES, WOBBLERS AND OTHER ACROBATICS OF MOLECULES IN CRYSTALS: DIRECT OBSERVATION OF MOLECULAR DYNAMICS BY DIFFRACTION METHODS
- PLE-4 **Evamarie Hey-Hawkins**, Peter Lönnecke, T. Höcher, S. Kohn, T. Clauß, R. Sommer, Michael Schley, Felicité Majoumo-Mbe
HOMOGENEOUS CATALYSIS WITH MONO- AND OLIGOMETALLIC TRANSITION METAL COMPLEXES
- PLE-5 Cristian Silvestru
RECENT DEVELOPMENTS IN ORGANOMETALLIC CHEMISTRY OF HYPERVALENT GROUP 15 (SB, BI) COMPOUNDS
- PLE-6 Bojan Šoptrajanov
CHEMICAL SCIENCES AT THE EUROPEAN CROSSROADS
- PLE-7 Dušan Sladić
MARINE SESQUITERPENE HYDROQUINONES AND QUINONES – COMPOUNDS WITH A GREAT BIOMEDICAL POTENTIAL
- PLE-8 Venko N. Beschkov
SOME NEW METHODS FOR WASTE WATER TREATMENT
- PLE-9 Eleni Efthimiadou, Yiannis Sanakis, Catherina P. Raptopoulou, Aris Terzis, George Psomas, **Nikos Katsaros**
COPPER COMPLEXES WITH QUINOLONES: SYNTHESIS, STRUCTURE AND BIOACTIVITY

INVITED LECTURES – INV

- INV-1 Jean-Jacques Aaron
LUMINESCENCE SPECTROSCOPY AS A TOOL FOR THE DETERMINATION OF ORGANIC POLLUTANTS AT TRACE LEVEL IN THE ENVIRONMENT¹
- INV-2 Nikolaos G. Argyropoulos
SYNTHETIC APPROACHES TOWARDS STEREOCONTROLLED SYNTHESIS OF AZASUGAR DERIVATIVES
- INV-3 Jane Bogdanov
SPIROCONJUGATION AND ITS APPLICATION TOWARDS THE DESIGN OF MOLECULAR MATERIALS
- INV-4 Grigore Bozga, Dorin Bombos
OPTIMIZATION OF PD DISTRIBUTION IN A PD/HZSM5-ALUMINA CATALYST FOR ACETONE REDUCTIVE CONDENSATION TO METHYL ISOBUTYL KETONE
- INV-5 Živadin D. Bugarčić
SUBSTITUTION REACTIONS OF PLATINUM(II) COMPLEXES WITH SOME BIOLOGICALLY RELEVANT NUCLEOPHILES
- INV-6 Philippe Colombari
ON-SITE RAMAN ANALYSIS IN ART & ARCHAEOLOGY
- INV-7 Sonia Damyanova
NOVEL CATALYSTS FOR HYDROGEN PRODUCTION
- INV-8 Adriana L. Finaru, S. Berteina-Raboin, T. Besson, Gérald Guillaumet
MICROWAVE -ASSISTED SOLID-PHASE SYNTHESIS OF 2-SUBSTITUTED MELATONIN DERIVATIVES
- INV-9 Marija Gavrović-Jankulović
ENGINEERING OF RECOMBINANT PROTEINS FOR ALLERGY DIAGNOSIS
- INV-10 G. Grampp
PRESENT STATE OF ELECTRON TRANSFER KINETICS IN SOLUTION: COMPARISON BETWEEN THEORY AND EXPERIMENT
- INV-11 E. Hadjicostas
VALID ANALYTICAL MEASUREMENTS

- INV-12 Svetomir Hadži Jordanov
HOW TO LEARN MORE OUT OF THE PERIODIC TABLE
- INV-13 Edith Mäder, Shang-Lin Gao, Rosemarie Plonka
NANOSTRUCTURING OF REINFORCEMENT SURFACES AND INTERPHASES IN COMPOSITES
- INV-14 Boško Nikov
DEVELOPMENT BEYOND SUSTAINABILITY
- INV-15 Anna Karawajczyk, Sabina Passamonti, Marjana Novič
QSAR STUDY OF THE MEMBRANE TRANSPORT OF FLAVONOIDS VIA BILITRANSLUCASE – LIGAND-PROTEIN INTERACTION
- INV-16 Mehmet A. Oturan
ELECTROCHEMICAL ADVANCED OXIDATION PROCESSES (EAOPs): KINETICS, MINERALIZATION MECHANISM AND ENVIRONMENTAL APPLICATIONS
- INV-17 Panayotis A. Siskos, Ioannis E. Sitaras
THE ROLE OF PRIMARY AND SECONDARY AIR POLLUTANTS IN ATMOSPHERIC POLLUTION OF ATHENS URBAN AREA
- INV-18 Branko N. Popov
DEVELOPMENT OF NANO-STRUCTURED ELECTROCATALYSTS FOR PEM FUEL CELLS
- INV-19 Evangelia A. Varella
EUROBACHELOR – A BOLOGNA FIRST CYCLE DEGREE IN CHEMISTRY

POSTERS

1. ACH – Analytical Chemistry
2. BCH – Biochemistry
3. BTE – Biotechnology
4. CHE – Chemical Engineering
5. EDU – Education
6. ENV – Environmental
7. ICH – Inorganic Chemistry
8. MAT – Materials
9. OCH – Organic Chemistry
10. PCH – Physical Chemistry
11. POM – Polymers

1. Analytical Chemistry – ACH

- ACH-1 Borislav K. Abramović, Igor M. Jajić, Biljana F. Abramović, Verica B. Jurić
EXPERT SYSTEM FOR DETECTION OF DEOXYNIVALENOL IN CORN ON THE BASIS OF FOURIER TRANSFORM INFRARED SPECTRAL FEATURES
- ACH-2 Elisa A. Alberti, Maria R. Giuffrè, V. Grippaldi
MONITORING OF THE INDOOR CLIMATIC CONDITIONS WITH THE AIM OF PRESERVING AND CONSERVING HISTORICAL AND ARTISTICAL ARTEFACTS. APPLICATION TO THE CHURCHES OF ST. GIOVANNELLO AND LA NUNZIATELLA IN GERACE, SOUTHERN CALABRIA: FIRST RESULTS
- ACH-3 Velibor Andrić, M. Stojanović, N. Perišić, U. B. Mioč, Ljiljana Damjanović
INVESTIGATION OF NEOLITHIC COLORED POTTERY BY X-RAY FLUORESCENCE, IR SPECTROSCOPY AND X-RAY POWDER DIFFRACTION
- ACH-4 Veronica Avram, Virginia Coman, Teodor Hodişan
DETERMINATION OF SOME PHENOLIC ACIDS FROM ROMANIAN WINES BY THIN-LAYER CHROMATOGRAPHY
- ACH-5 Vladimir M. Banković, Vladanka V. Stamenkovic, Dušanka B. Mihajlović
DETERMINATION OF HYPEROSIDE IN TABLETS WITH HAWTHORN EXTRACT BY HPLC METHOD
- ACH-6 Vladimir M. Banković, Suzana B. Ristić, Vesna M. Novković
DETERMINATION OF RUTIN IN TABLETS WITH *ECHINACEA* EXTRACT BY HPLC METHOD

- ACH-7 Rada Baošić, Ana Radojević, Živoslav Tešić
RPTLC DETERMINATION OF HYDROPHOBICITY PARAMETERS OF β -KETOIMINATO COMPLEXES
- ACH-8 Ildiko Broš, Maria-Loredana Soran, Alexandrina Nan, Joachim Leistner
THE ANALYSIS OF OLIVE AND CORN OILS COMPOSITION BY HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY
- ACH-9 Nikolla Civici
APPLICATION OF XRF TECHNIQUES FOR THE IDENTIFICATION OF PIGMENTS IN OLD ALBANIAN ICONS
- ACH-10 Lidija Čukovska, Peter Vandenabeele, Biljana Minčeva-Šukarova, Orhideja Grupče, Vinka Tanevska
RAMAN SPECTROSCOPIC APPROACH TO THE PROBLEM OF MIXED OR SUPERIMPOSED PIGMENTS IN BYZANTINE FRESCOS. I. REFERENT SAMPLE STUDY
- ACH-11 Julijana Cvetković, Sonja Arpadjan, Irina Karadjova, Trajče Stafilov
DETERMINATION OF LEAD IN WINE BY ELECTROTHERMAL ATOMIC ABSORPTION SPECTROMETRY
- ACH-12 Milan N. Damjanović
DETERMINATION OF FLUFENOXURON BY HPLC ACCORDING TO THE CIPAC COLLABORATIVE TRIAL 470
- ACH-13 Ljiljana Damjanović, M. Stojanović, O. Marjanović, Velibor Andrić, U. B. Mioč
SPECTROSCOPIC INVESTIGATION OF ICONS PAINTED ON CANVAS
- ACH-14 Teuta Dilo, Nikolla Civici, F. Stamati, R. Hasa, I. Gjipali, M. Koçi
ARCHAEOLOGICAL STUDY OF ILLYRIAN TERRACOTTAS AND CERAMICS FROM BELSHI REGION BELONGING TO IIIrd CENTURY BC
- ACH-15 Miladin Drobnjak, Miladin Gligorić, Jovan Đuković, Dragica Lazić, Slavko Smiljanić
INVESTIGATION OF QUALITY, STABILITY AND POSSIBILITY FOR BOTTLING OLIGOMINERAL HYPERTHERMAL WATER
- ACH-16 Miuța Filip, Virginia Coman, Ladislau Rosenberg, Gyongyike Hudak, Lioara Căpîlnean
IDENTIFICATION OF SOME ACTIVE COMPONENTS OF DIFFERENT ROMANIAN PLANT EXTRACTS BY HPLC-UV METHOD
- ACH-17 Ana-Maria Gurban, Camelia Bala, Jean-Louis Marty, Thierry Noguer
DEVELOPMENT OF NADH AMPEROMETRIC BIOSENSOR
- ACH-18 I. Iliev, K. Dimitrov, I. Kuleff, E. Pernicka
ARCHAEOLOGICAL INVESTIGATION OF COPPER ARTEFACTS FROM ENEOLITHIC NECROPOLIS OF VARNA
- ACH-19 Violeta Ivanova, Dragica Zendelovska, Trajče Stafilov, Marina Stefova
DEVELOPMENT OF HPLC METHOD FOR DETERMINATION OF VERAPAMIL AFTER SOLID-PHASE EXTRACTION
- ACH-20 Violeta Ivanova, Dragica Zendelovska, Trajče Stafilov, Marina Stefova
DEVELOPMENT OF SOLID-PHASE EXTRACTION METHOD FOR DETERMINATION OF HYDROCHLOROTIAZIDE IN URINE BY HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY
- ACH-21 Bisera Janeska, Marina Stefova, Vlado Matevski, Gjoše Stefkov, Vassya Bankova, Kalina Alipieva, Ljuba Evstatieva
IDENTIFICATION OF EXTERNAL FLAVONOID COMPONENTS FROM DIFFERENT SPECIES OF GENUS SIDERITIS (LAMIACEAE) WITH HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY
- ACH-22 Bisera Janeska, Marina Stefova, Gjoše Stefkov, Vassya Bankova, Kalina Alipieva, Emanuela Kostadinova, Ljuba Evstatieva
SCREENING ANALYSIS OF VACUOLAR FLAVONOID COMPONENTS FROM SIDERITIS SPECIES (LAMIACEAE) WITH HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY
- ACH-23 Ratimir Jelic, Ljubinka Joksović, Predrag Djurdjević
HYDROLYSIS OF GADOLINIUM (III) ION IN LITHIUM AND SODIUM CHLORIDE MEDIUM
- ACH-24 B. M. Kaličanin, R. S. Nikolić
TRACE DETERMINATION OF ACETIC ACID SOLUBLE LEAD IN INORGANIC MATERIALS BY PSA
- ACH-25 Sanja Kostadinović, Marina Stefova, Diana Nikolova, Daniela Petrova, Vassya Bankova
COMPARATIVE INVESTIGATION OF THE SWEET AND BITTER ORANGE ESSENTIAL OIL (*CITRUS SINENSIS* AND *CITRUS AURANTIUM*)
- ACH-26 Igor Kuzmanovski, Goran Stojković
QUANTITATIVE STRUCTURE-PROPERTY RELATIONSHIP STUDY OF PREDICTION OF pK_{BH+} FOR SERIES OF AMIDES USING COUNTER-PROPAGATION NEURAL NETWORKS AND GENETIC ALGORITHMS
- ACH-27 Violeta Mitić, Snežana Nikolić Mandić, Vesna Stankov-Jovanović
KINETIC SPECTROPHOTOMETRIC DETERMINATIONS OF Sb(III)
- ACH-28 Angel Mitrevski
COMPARATIVE ANALYSIS OF TOTAL ANTIOXIDATIVE STATUS IN SOME DOMESTIC AND FOREIGN WINES

- ACH-29 Blagoj Mitrevski, Valentina Pavlova, Simka Petrovska-Jovanović, Zoran Zdravkovski
CAN GAS CHROMATOGRAPHY DISTINGUISH AMPHETAMINIL FROM *N*-(β -PHENYLISOPROPYL)-BENZALDIMINE?
- ACH-30 M. Obradović, S. Tošić, D. Velimirović
IRON(III)-MONOSULPHONATED HYDROQUINONE COMPLEX MGCM-3 ANALYTICAL APPLICATION
- ACH-31 Valentina Pavlova, Blagoj Mitrevski, Violeta Sokolovska, Simka Petrovska-Jovanović
DEVELOPMENT AND OPTIMIZATION OF HPLC METHOD FOR DETERMINATION OF AMPHETAMINE AND METHAMPHETAMINE USING DIODE ARRAY DETECTOR
- ACH-32 Valentina Pavlova, Blagoj Mitrevski, Violeta Sokolovska, Simka Petrovska-Jovanović, Vera Trajkovska
THEORETICAL ASPECTS OF HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY OF AMPHETAMINE AND METHAMPHETAMINE: VAN DEEMTER PLOT
- CH-33 Emilija T. Pecev, Zora M. Grahovac, Todor G. Pecev, Ranko M. Simonovic
KINETIC DETERMINATION OF MOLYBDENUM(VI)
- ACH-34 Ana Petkovska, Marina Stefova, Gjoše Stefkov, Vassya Bankova, Milena Nikolova
QUANTITATIVE STRUCTURE RETENTION RELATIONSHIPS OF FLAVONES USING A NON-PARAMETER APPROACH
- ACH-35 Marjan Piponski, Gordana Serafimovska-Trendovska, Marija Kirova, Irena Slaveska, Marija Mindoševa
PEAK SYMMETRY IMPROVEMENT OF PAROXETINE HYDROCHLORIDE IN HPLC METHOD FOR ITS QUANTIFICATION IN SOLID PHARMACEUTICAL DOSAGE FORM
- ACH-36 Suzana Polić-Radovanović, Mileša Srečković, Zoran Nedić, Aleksandar Bugarinović, Miroslav Timotijević, Biljana Timotijević, Slavica Ristić
APPLICATION OF INFRARED SPECTROSCOPY IN COMPARATIVE INVESTIGATION OF POSSIBILITIES OF LASER PROCESSING AND PROTECTION OF MATERIALS FOR ICONS
- ACH-37 Aleksandra Radoičić, Helena Majstorović, Tibor Sabo, Živoslav Lj. Tešić, Dušanka M. Milojković-Opsenica
HYDROPHILIC INTERACTION PLANAR CHROMATOGRAPHY OF SOME Co(III) COMPLEXES
- ACH-38 Marija Rusi Ognjanovska, Vasilka Dubrova Koceva, Kristina Babunovska
HPLC METHODS FOR DETERMINING PRESENCE OF ANTIOXIDANTS IN HOLLESTA TABLETS
- ACH-39 Ivan Serafimovski, Elizabeta Dimitrieska Stojković, Pavle Sekulovski
DETERMINATION OF THYREOSTATICS IN CATTLE PLASMA BY HPLC WITH DIODE ARRAY DETECTION
- ACH-40 Ranko M. Simonović, Todor G. Pecev, Emilija T. Pecev, Aleksandar R. Igov
KINETIC DETERMINATION OF NANOGRAM AMOUNTS OF MANGANESE(II) IN SOLUTION
- ACH-41 Maja Skenderovska, Biljana Minčeva-Šukarova, Liljana Andreeva
FT-IR AND MICRO-RAMAN SPECTRA OF AUTOMOTIVE TOPCOATS: II. SOME BASE COAT/CLEAR COAT AUTOMOTIVE PAINT PRODUCTS OF "GLASŪRIT"
- ACH-42 Rose Smileski, Orce Popovski, Jovan Naumoski
TOXICITY AND DETECTION OF EXPLOSIVE MATERIALS AND COMPONENTS OF EXPLOSIVE MIXTURES
- ACH-43 Majid Soleimani
SEPARATION AND DETERMINATION OF Fe(III) AND Mn(II) USING A LIGAND CONTAINING MOBILE PHASE IN REVERSED-PHASE HIGH PERFORMANCE LIQUID CHROMATOGRAPHY
- ACH-44 Vesna Stankov-Jovanović, Snežana Nikolić-Mandić, Ljuba Mandić, Violeta Mitić
ENZYMATIC KINETIC DETERMINATION OF PANCURONIUM BROMIDE
- ACH-45 Mirjana Steharnik, Renata Kovačević, Nevenka Petrović
DETERMINATION OF TRACE ELEMENTS IN REFINED SILVER BY OPTICAL EMISSION SPECTROGRAPH TECHNIQUE WITH DIRECT CURRENT ARC
- ACH-46 S. M. Sunarić, Snežana S. Mitić
SPECTROPHOTOMETRIC INITIAL-RATE METHOD FOR THE DETERMINATION OF NEOMYCIN
- ACH-47 Vinka Tanevska, Philippe Colomban, Biljana Minčeva-Šukarova, Orhideja Grupče, Velibor Andrić, Aurelie Tournié
CHARACTERIZATION OF BYZANTINE CERAMIC FINDS FROM ARCHAEOLOGICAL SITES IN SKOPJE AND PRILEP WITH NON-DESTRUCTIVE METHODS OF ANALYSIS
- ACH-48 Milena Taseska, Trajče Stafilov, Petre Makreski, Radojko Jaćimović, Vekoslava Stibilj, Gligor Jovanovski
LIQUID-LIQUID EXTRACTION AND DETERMINATION OF TRACE ELEMENTS IN IRON MINERALS BY ATOMIC ABSORPTION SPECTROMETRY
- ACH-49 Evangelia A. Varella
IMITATIONS AND ADULTERATIONS – A COMBINED METHODOLOGY FOR ATTESTING MATERIAL CULTURAL HERITAGE EXEMPLIFIED IN PURPLE
- ACH-50 Marija Vilotijević, Novica Ranđelović, Siniša Đorđević
THE RECEIVING AND CHEMICAL COMPOSITION OF ETHANOLIC EXTRACTS OF *THYMUS PULEGIODES* L.

- ACH-51 R. M. Zejnilović, S. Radulović
CONSERVATION OF THE FLAG WITH PAINTED SUBJECT
- ACH-52 Saša Zlatković, Goran Nikolić, Siniša Djordjević, Aleksandra Djordjević
THE COMPATIBILITY OF HYPERICINE AND NATURAL ORIGIN ACTIVE PRINCIPLES

2. Biochemistry – BCH

- BCH-1 Šenol Alpat, Sibel Kılınc Alpat, Banu Kutlu, Özge Özbayrak
DETERMINATION OF COPPER WITH MICROALGAE MODIFIED BIOSENSOR
- BCH-2 Mihaela Badea, Rodica Olar, Dana Marinescu, Octavian Nicolescu, Florica Nicolescu
COMPLEXES WITH MIXED LIGANDS DISPLAYING ANTIBACTERIAL AND ANTIFUNGAL ACTIVITIES
- BCH-3 Mira Bjelaković, Natalija Krstić, Nenad Juranić, Vladimir Pavlović
2D NMR STUDIES OF NOVEL GLYCINE- AND PHENYLALANINE-CONTAINING PEPTIDOSTEROID
- BCH-4 Mira Bjelaković, Zorica Juranić, Dragana Milić
SYNTHESIS AND ANTIPROLIFERATIVE ACTIVITY OF NOVEL FULLEROPYRROLIDINIC ESTERS
- BCH-5 M. K. Boneva, Y. I. Tacheva
ANALOG OF VITAMIN B₁₂ WITH L-ASCORBIC ACID
- BCH-6 Janoš Čanadi, Valéria Guzsány, Mihalj Poša, Natalija Kološnjai, Ksenija Kuhajda, Ferenc F. Gaál
¹H NMR STUDY OF THE AGGREGATION OF SODIUM-7-OXO-CHOLATE
- BCH-7 Gordana S. Četković, Slađana Savatović, Jasna M. Čanadanović-Brunet, Sonja M. Dilas, Vesna T. Tumbas
ANTIOXIDANT ACTIVITY OF APPLE POMACE EXTRACT
- BCH-8 Biljana Damjanović
CHEMICAL COMPOSITION AND ANTIMICROBIAL ACTIVITY OF ESSENTIAL OIL OF ROSEMARY (*ROSMARINUS OFFICINALIS* L.) FROM MONTENEGRO
- BCH-9 I. Damljanović, M. Vukićević, R. D. Vukićević
ELECTROCHEMICAL BROMINATION OF ESTROGENS
- BCH-10 Elena Diau, Cristian Baltariu, Atena Hotaranu, Daniela Bogdan, Lucia Mutihac
SOLVENT EXTRACTION OF SOME AMINO ACIDS BY MODIFIED CYCLODEXTRINS
- BCH-11 Vesna Dimova, Katica Čolančeska-Ragjenović, Vladimir Kakurinov
ANTIBACTERIAL ACTIVITY OF N¹-ARYL/HETEROARYLAMINOMETHYL/ETHYL-1,2,4-TRIAZOLE DERIVATIVES: A QSAR STUDY
- BCH-12 Evgenija Djurendić, Neda Mimica-Dukić, Sanja Dojčinović, Emilija Jovin, Nataša Simin, Katarina Penov-Gaši
ANTIOXIDANT ACTIVITIES OF SOME NEW SYNTHESIZED 2-HYDROXYBENZOIC ACID DERIVATIVES
- BCH-13 Evgenija Djurendić, Jovana Daljev, Marija Sakač, Suzana Jovanović-Šanta, Janoš Čanadi, Katarina Penov-Gaši
SYNTHESIS AND ANTI-AROMATASE ACTIVITY OF NEW ANDROSTANE DERIVATIVES
- BCH-14 Evgenija Djurendić, Marina Zaviš, Andrea Gaković, Marija Sakač, Suzana Jovanović-Šanta, Janoš Čanadi, Katarina Penov-Gaši
SYNTHESIS OF SOME NEW EPOXY 5-ANDROSTENE DERIVATIVES
- BCH-15 Tatiana A. Dzimbova, Tamara I. Pajpanova, Evgeny V. Golovinsky
SYNTHESIS OF HETEROCYCLE ARGININE MIMETICS
- BCH-16 Dejan Gođevac, Ljubodrag Vujsić, Ivan Vučković, Aleksandar Ignjatović, Vlatka Vajs, Slobodan Milosavljević
ANTIOXIDANT ACTIVITY OF ESSENTIAL OIL OF *ALLIUM URSINUM* (WILD GARLIC)
- BCH-17 Rodica Guta, Gabriela Putina, Corina Ilie, Doina Nanau-Andreescu, Cristina Ghita, Zelinski Bogdan, Sultana Nita, Ileana Paraschiv, Caproiu Teodor
POTENTIAL ANTIDIABETES/ANTIOBESITY COMPOUNDS FROM THE BETA-3-ADRENERGIC RECEPTORS AGONISTS CLASS
- BCH-18 Corina Ilie, Doina Nanau-Andreescu, Rodica Guta, Gabriela Putina, Sultana Nita, Caproiu Teodor, Diana Nuta
NEW BENZAMIDES WITH POTENTIAL ANTIPSYCHOTIC ACTION
- BCH-19 Suzana Jovanović-Šanta, Julijana Petrović, Gordana Bogdanović, Dragana Četojević-Simin
STUDY OF THE INFLUENCE OF 17-SUCCINOYLOXY-16,17-SECOESTRATRIENE DERIVATIVES ON TUMOUR CELL PROLIFERATION

- BCH-20 Hulya Ayar Kayali, Leman Tarhan
CORRELATION BETWEEN AEROBIC AND ANAEROBIC METABOLITES PRODUCTION OF *AMYCOLATOPSIS ORIENTALIS* DEPENDING ON INITIAL GLUCOSE CONCENTRATION
- BCH-21 Slavko Kevrešan, Mihalj Poša, Ksenija Kuhajda, Vera Ćirin-Novta, Momir Mikov
EFFECTS OF SODIUM SALT OF CHOLIC AND 12-MONOKETECHOLIC ACIDS ON THE TRANSPORT OF LIDOCAINE AND VERAPAMIL IN THE WATER/1-OCTANOL SYSTEM
- BCH-22 Sandra S. Konstantinović, Blaga C. Radovanović, Natasa Joković, Zahari G. Zaharijević
ANTIMICROBIAL ACTIVITY OF COORDINATION COMPOUNDS OF DIVALENT METAL WITH ISATIN-3-THIOSEMICARBAZONE
- BCH-23 D. A. Kostić, G. Ž. Miletić, Snežana S. Mitić, I. D. Rašić
KINETIC ENZYMIC DETERMINATION OF STREPTOMYCIN
- BCH-24 Natalija Krstić, Mira Bjelaković, Željko Žizak, Zorica Juranić, Vladimir Pavlović
BIOLOGICAL ACTIVITY OF SOME STEROIDAL DERIVATIVES
- BCH-25 Ksenija Kuhajda, Mihalj Poša, Momir Mikov, Slavko Kevrešan, Vera Ćirin-Novta
THE EFFECT OF SUBSTITUTION OF THE OH GROUP OF CHOLIC ACID WITH KETO GROUPS ON TRANSPORT OF LIDOCAINE FROM AQUEOUS MEDIUM TO 1-OCTANOL
- BCH-26 Una Matko
INFLUENCE OF SUBSTRATE ON ALUMINIUM TOXICITY AT *CAULERPA TAXIFOLIA*
- BCH-27 Dragana Milić, Tatjana Kop, Dejan Opsenica, Bogdan Šolaja
STRUCTURE-ANTIPROLIFERATIVE ACTIVITY RELATIONSHIP OF ESTRONE BASED COMPOUNDS
- BCH-28 Snežana S. Mitić, Aleksandra N. Pavlović, Olivera D. Anđelković
IDENTIFICATION AND DETERMINATION OF GLYCINE IN PHARMACEUTICAL SAMPLES USING PAPER CHROMATOGRAPHY AND KINETIC METHOD
- BCH-29 Elena Maria Mosoarca, Ramona Tudose, Radostina Alexandrova, Otilia Costisor
COBALT COMPLEXES CONTAINING ANTIPYRINE DERIVATIVES AS LIGANDS – SPECTRAL CHARACTERISTICS AND BIOLOGICAL ACTIVITY
- BCH-30 Maja Natić, Živoslav Tešić, Dušanka Milojković-Opsenica, Rade Marković, Sandra Manić, Siniša Radulović, Biljana Nikolić, Slaviša Stanković
BIOLOGICAL ACTIVITY OF SOME STEREODEFINED 2-ALKYLIDENE-4-OXOTHIAZOLIDINES. STRUCTURE ACTIVITY RELATIONSHIP STUDY
- BCH-31 Milan Nikolić, Dragana Stanić, Ivona Baričević, Olgica Nedić, Vesna Niketić
POTENCIES OF LIPOPROTEINS IN FASTING PLASMA TO ACCEPT ADDITIONAL CHOLESTEROL MOLECULES RELEASED FROM THE HAEMOGLOBIN-CHOLESTEROL ADDUCT IN HUMAN RED BLOOD CELLS
- BCH-32 Ivana Pajić-Lijaković, Diana Bugarski, Milenko Plavšić, Branko Bugarski
MICROENVIRONMENTAL RESTRICTION EFFECTS TO HYBRIDOMA CELL GROWTH INSIDE THE ALGINATE-POLY-L-LYSINE MICROCAPSULE
- BCH-33 Ksenija Pavlović, Vera Ćirin-Novta, Andrea Fekete, Mihalj Poša, Ksenija Kuhajda, Momir Mikov, Slavko Kevrešan
STUDY OF THE EFFECT OF CRITICAL MICELLAR CONCENTRATION OF CHOLIC ACID AND ITS KETO DERIVATIVES ON THE ANESTHETIC ACTION OF LIDOCAINE
- BCH-34 Jelena Penjišević, Deana Andrić, Slađana Rajačić, Goran Roglić
SYNTHESIS AND PHARMACOLOGICAL EVALUATION OF NITROCINNAMYL-4-(2-METHOXYPHENYL)PIPERAZINE
- BCH-35 Mihalj Poša, Momir Mikov, Ksenija Kuhajda, Slavko Kevrešan, Vera Ćirin Novta
STUDY OF THE EFFECT OF BILE ACIDS ON LIDOCAINE TRANSFER FROM AQUEOUS MEDIUM TO 1-OCTANOL BY COMPARTMENTAL ANALYSIS
- BCH-36 Milanka Đ. Radulović, Dragica M. Jakovljević, Miroslav M. Vrvčić
STRUCTURAL UNIFORMITY OF PULLULAN PRODUCED WITH *AUREOBASIDIUM PULLULANS* STRAIN CH-1 AT DIFFERENT SUBSTRATES
- BCH-37 Vesna Rafajlovska, Marija Srbinoska, Liljana Koleva-Gudeva, Renata Slaveska-Raicki
EXTRACTION OF CAPSAICIN AND CAROTENOIDS FROM HOT RED PEPPER (*CAPSIUM ANNUUM* L.)
- BCH-38 Alireza Salabat, Mohammad H. Abnosi, Azadeh Rakhsh Bahar
EXPERIMENTAL AND CORRELATION OF PARTITION COEFFICIENT OF SOME AMINO ACIDS IN AQUEOUS TWO-PHASE SYSTEM OF POLY(PROPYLENE GLYCOL) AND MAGNESIUM SULFATE
- BCH-39 Fazel Shamsa, Hussein Amini
DETERMINATION OF SERUM CORTISOL BY HPLC AFTER PRE-COLUMN FLUORESCENT LABELLING WITH 1-ANTHROYL NITRILE
- BCH-40 S. Spahiu, S. Govori, A. I. Haziri, M. Ismaili, K. H. Kurteshi, Sh. Omeragić
SYNTHESIS OF SOME NEW 4-HETEROARYL-2-OXO-2H-CHROMENE-3-CARBALDEHYDE AND THEIR ANTIBACTERIAL ACTIVITY
- BCH-41 D. Štajner, B. Popović, Jasna M. Čanadanović-Brunet, G. Anačkov
FREE RADICAL SCAVENGING ACTION OF *EQUISETUM MAXIMUM* L.

- BCH-42 Dragana Stanić, Milan Nikolić, Tijana Cvetić, Vesna Niketić
PROTEOLYTIC AND GPI-TRANSAMIDASE ACTIVITY OF INSULIN RECEPTOR
- BCH-43 Bojana D. Stanimirović, Jelena M. Aćimović, Ljuba M. Mandić
IN VITRO INVESTIGATION OF THE REACTION OF CYSTEIN-SH GROUP AND α -DICARBONYLS
- BCH-44 Vesna P. Stankov-Jovanović, Snežana D. Nikolić-Mandić, Ljuba M. Mandić, Violeta D. Mitić
CHOLINESTERASE INHIBITION BASED DETERMINATION OF PANCURONIUM BROMIDE IN BIOLOGICAL SAMPLES
- BCH-45 Vladimir Šukalović, Mario Zlatović, Deana Andrić, Slađana Kostić Rajačić, Goran Roglić
INTERACTION OF 1-SUBSTITUTED ARYLPIPERAZINES WITH SEROTONINE 5HT_{1A} RECEPTOR BINDING SITE
- BCH-46 Constantin Tanase, Florea G. Cocu, Miron T. Caproiu, Constantin Draghici, Maria Croitoru, Lucia Pintilie, Irina Biraruti, Floriana Albu, Cristian Postolache, Lidia Matei, Gina Manda
NEW NUCLEOSIDE ANALOGUES WITH MODIFIED SUGAR MOIETY
- BCH-47 Olgica Trenčevska, Rubin Gulaboski, Kiro Stojanoski, Valentin Mirčeski
PROBING ELECTROCHEMICAL PROPERTIES OF ERYTHROCYTE MEMBRANES
- BCH-48 Olgica Trenčevska, Marija Krakutovska, Vasko Aleksovski, Angel Mitrevski, Kiro Stojanoski
QUANTITATIVE ANALYSIS OF ELECTROPHORESIS DATA: THE POTENTIAL UTILITY OF DERIVATIVE AND OTHER NUMERICAL METHODS OF CEREBROSPINAL LIQUOR ELECTROPHORESIS DATA
- BCH-49 Svetlana Trivić, Mira Popović, Julijan Kandrač, Vladimir Leskovac
PRODUCT INHIBITION IN YEAST ALCOHOL DEHYDROGENASE REACTIONS
- BCH-50 Ramona Tudose, Elena Maria Mosoarca, Radostina Alexandrova, Eugenia Fagadar-Cosma, Otilia Costisor
MONONUCLEAR COPPER COMPLEXES CONTAINING MANNICH BASES AS LIGANDS – SYNTHESIS, STRUCTURE AND BIOLOGICAL ACTIVITY AGAINST GRAM-POSITIVE AND GRAM-NEGATIVE BACTERIA
- BCH-51 Marija D. Živković, Snežana Rajković, Miloš I. Djuran, Urszula Rychlewska
STUDIES OF THE INTERACTIONS OF PALLADIUM(II) COMPLEXES WITH HISTIDINE- AND METHIONINE-CONTAINING PEPTIDES: EFFECTS OF THE MODE OF COORDINATION ON HYDROLYTIC REACTIONS

3. Biotechnology – BTE

- BTE-1 Danica Andreevska, Verica Ilieva
THE CONTENTS OF PROTEINS WITH SOME ITALIAN RICE VARIETIES GROWN IN THE REGION OF KOCANI-MACEDONIA
- BTE-2 Packa Antovska, Maja Cvetkovska, Biljana Minčeva-Šukarova, Katerina Goračinova
PREPARATION AND CHARACTERIZATION OF HEPARIN SODIUM SOL-GEL MICRO-PARTICLES BY SPRAY-DRYING METHOD
- BTE-3 N. Banjac, N. Valentić, G. Uščumlić, D. Mijin
A LSER STUDY OF UV ABSORPTION FREQUENCIES OF PHARMACOLOGICAL ACTIVE 3-SUBSTITUTED-5,5-DIPHENYLHYDANTOINS
- BTE-4 Mirjana Bocevska, Marjan Slavkov
ANTIOXIDANT AND RADICAL SCAVENGING ACTIVITY OF *ACHILLEA MILLEFOLIUM L.*
- BTE-5 Ružica Brnović, Petar Živkovic, Dragan Radonjić
SEPARATION OF BIOGAS FROM LANDFILL C.K.O “LIVADE” IN PODGORICA
- BTE-6 Jasna M. Čanadanović-Brunet, Vesna T. Tumbas, Gordana S. Četković, Sonja M. Đilas, Slađana S. Savatović
ESR SPECTRAL STUDY OF RADICAL SCAVENGING ACTIVITY OF CRANBERRY EXTRACT
- BTE-7 Aleksandar Dedić
UTILIZATION OF WOOD RESIDUES FOR PRODUCING HEAT-TREATED WOOD
- BTE-8 Cristina Dutescu, Vasile Matei, Daniela Popovici, Dorin Stanica-Ezeanu, Dorina Matei, Anca Borcea
BIO-FUELS WITH HIGH BIODEGRADABILITY DEGREE
- BTE-9 Zlatka Garova
THE HONEY – NATURALLY PURE AND THE FIGHT AGAINST “VAROATOZA”
- BTE-10 Ljubica Grbović, Ksenija Pavlović, Ljiljana Suvajdžić, Vera Ćirin-Novta, Slavko Kevrešan, Julijan Kandrač, Ksenija Kuhajda
ANTIBACTERIAL ACTIVITY OF NATURAL PETROLEUM ACIDS FROM VOJVODINIAN CRUDE OIL “VELEBIT”
- BTE-11 V. I. Grozev, V. B. Konsulov, Z. S. Grozeva, A. A. Lyapova
BIODIESEL – STUDY OF THE REACTIONS ESTERIFICATION AND TRANSESTERIFICATION

- BTE-12 Olgica Grujić, Jelena Pejin
THE EFFECT OF WATER QUALITY ON WORT QUALITY WITH APPLICATION OF EXTRUDED WHEAT IN WORT PRODUCTION
- BTE-13 Olgica Grujić, Jelena Pejin
THE INFLUENCE OF BARLEY VARIETY AND CHANGES OF TECHNOLOGICAL PARAMETERS DURING MALT PRODUCTION ON MALT QUALITY
- BTE-14 Julianna Gyura, Dragana Šoronja Simović, Radmila Sekulić, Nada Filipović
FLOUR ENRICHED WITH DIETARY FIBERS AND IT'S RHEOLOGICAL CHARACTERISTICS
- BTE-15 Julianna Gyura, Dragana Šoronja Simović, Radmila Sekulić, Nada Filipović
THE RHEOLOGICAL CHARACTERISTICS OF FLOUR ENRICHED WITH DIETARY FIBER
- BTE-16 Hristina Hadzhiyska, Rositza Betcheva, Nelly Georgieva, Lubov Yotova
BIOBLEACHING OF FLAX WITH LACCASE
- BTE-17 Slavica B. Ilić, Sandra S. Konstantinović, Zoran B. Todorović, Vlada B. Veljković, Miodrag L. Lazić, Gordana Gogjić-Cvijović
IMPACT OF REOLOGY OF FERMENTATION BROTH ON PRODUCTION OF ANTIBIOTIC BY STREPTOMYCES HYGROSCOPICUS
- BTE-18 Ružica Jovanović-Malinovska, Slobodanka Kuzmanova, Eleonora Winkelhausen, Maja Cvetkovska, Christo Tsvetanov
PRODUCTION OF XYLITOL BY *CANDIDA BOIDINII* CELLS ENTRAPPED IN HYDROGELS BASED ON UV CROSSLINKED POLY(ETHYLENE OXIDE)
- BTE-19 M. H. Katsoura, A. C. Polydera, S. Kostić-Rajačić, H. Stamatis
USE OF IONIC LIQUIDS AS MEDIA FOR THE LIPASE-CATALYZED PREPARATION OF LIPOPHILIC DERIVATIVES OF NATURAL ANTIOXIDANTS
- BTE-20 Biljana Kaurinović, Mira Popović, Mirjana Vojinović-Miloradov, Svetlana Trivić
FREE RADICAL SCAVENGING ACTIVITY OF PCBS AND LAUREL (*LAURUS NOBILIS L.*)
- BTE-21 Žika Lepojević, Senka Čurčin, Zoran Zeković, Svetlana Milošević, Vladan Mičić, Milovan Jotanović, Aleksandar Tolić
EXTRACTION OF *SALVIA OFFICINALIS L.* BY SUPERCRITICAL CARBON DIOXIDE
- BTE-22 Žika Lepojević, Svetlana Milošević, Zoran Zeković, Aleksandar Tolić
SUBCRITICAL CO₂ EXTRACTION OF *GINKGO BILOBA L.*
- BTE-23 Liljana Makraduli, Dobrinka Dimova, Maja Anevska, Violeta Dinić, Duška Lepčevska, Roza Dameska, Emilija S. Aleksovska
HYDROXYPROPYL METHYLCELLULOSE (HPMC) VISCOSITY – INFLUENCE ON THE MATRIX SYSTEMS DISSOLUTION PROFILE
- BTE-24 Dj. Malenčić, D. Prvulović, M. Popović, J. Miladinović
***IN VITRO* ANTIOXIDANT PROPERTIES OF SOYBEAN [*GLYCINE MAX L. (MERR.)*]**
- BTE-25 Dj. Malenčić, M. Popović, D. Prvulović, S. Kereši
POLYPHENOL CONTENTS OF SOYBEAN SEED EXTRACTS FROM SERBIA
- BTE-26 Adela Medović, Petar Skundrić, Mirjana Kostić, Predrag Djordjević
MATHEMATICAL MODELING OF BIODEGRADABLE INSULIN ARTIFICIAL DEPOT BASED ON ALGINATE FIBERS
- BTE-27 Mirjana Menkovska, Milisav Ivanoski, Marija Sharić
COMPARATIVE EVALUATION OF THE TECHNOLOGICAL QUALITY OF BREAD WHEAT AND TRITICALE CULTIVARS
- BTE-28 Tanja Milošević, Slavica Solujić
ETHANOLIC EXTRACT OF *HYPERICUM PERFORATUM* AS POTENTIAL FOOD PRESERVATIVE
- BTE-29 Irina Mladenoska, Carl Elovson Grey, Slobodanka Kuzmanova, Patrick Adlercreutz
INFLUENCE OF WATER ACTIVITY ON THE CONVERSION OF P-NITROPHENYL- β -D-GLUCOSIDE CATALYSED BY ALMOND β -GLUCOSIDASE IN AQUEOUS ALCOHOLS
- BTE-30 Ilirina Mladenoska, Daniela Nikolovska-Nedelkoska, Eleonora Winkelhausen, Slobodanka Kuzmanova
TRANSGLYCOSYLATION AND REVERSE HYDROLYSIS REACTIONS IN MONOPHASIC WATER/ALCOHOL MIXTURES CATALYSED BY β -GALACTOSIDASE FROM *ASPERGILLUS ORYZAE*
- BTE-31 Srdjan Mladenović, Branislav Nastasijević, Srdjan Miletić
EFFICIENCY OF COMERCIAL ENZYMATIC PREPARATIONS IN GRAIN HYDROLYSES FOR PREPARATION OF SUBSTRATES FOR ALCOHOLIC FERMENTATION
- BTE-32 Nada Č. Nikolić, Mihajlo Z. Stanković
ENZYMES PREPARATION FROM POTATO HAULM AND SPROUTS
- BTE-33 Dušanka Pejin, Olgica Grujić, Stevan Popov, Vesna Vasić, Jelena Pejin, Aleksandar Karić
PRODUCTION OF BIOETHANOL FROM WHEAT AND TRITICALE
- BTE-34 Suzana Ristić, Živomir Petronijević
PRODUCTION AND CHARACTERIZATION OF ALPHA-AMYLASE FROM *PENICILLIUM MYCOIDES 57*

- BTE-35 V. Senthilkumar, S. Meenakshisundaram, N. Selvakumar
REUSING OF CELLULASE FOR BIOPOLISHING APPLICATION IN TEXTILE PROCESSING OF CELLULOSIC FABRICS
- BTE-36 Marija Šarić, Mirjana Menkovska, Nada Guteša, Milisav Ivanoski
SPROUTS FROM DIFFERENT CEREALS INFLUENCING THE CHANGES OF BREAD NUTRITIVE VALUE
- BTE-37 Lj. Simović, P. Škundrić, A. Medović, M. Kostić, S. Dimitrijević, M. Janičijević, B. Milaković
PROLONGED ACTION OF BIOMEDICAL ANTIMICROBIAL FIBERS
- BTE-38 Marko Stamenić, Sandra Glišić, Irena Žižović, Aleksandar Orlović, Dejan Skala
SUPERCRITICAL CARBON DIOXIDE EXTRACTION OF CARROT FRUIT OIL-COMPARISON WITH HYDRODISTILLATION AND MODELLING
- BTE-39 Marija Stanoeska, Mirjana Menkovska, Snežana Ončeska, Milisav Ivanoski
THE TECHNOLOGICAL QUALITY OF BREAD WHEATS GROWN IN SKOPJE REGION DURING THE 2004/05 YEAR
- BTE-40 Ljiljana Stanojević, M. Stanković, Nada Nikolić, Milorad Cakić
COMPOSITION OF PARSLEY SEEDS (*PETROSELINUM CRISPUM* (MILL.) NYM. EX. A.W. HILL) ESSENTIAL OIL OBTAINED BY DIFFERENT TECHNIQUE
- BTE-41 Lidia Taubert, Ecaterina Princz, Hortensia Radulescu, Sándor A. Kiss, Éva Stefanovits-Bányai
PRELIMINARY TESTING OF A CALCIUM AND MAGNESIUM CARBONATES-CONTAINING WASTE IN AGRICULTURE
- BTE-42 N. Todorova, M. Ilarionova, T. Petrova, D. Todorov
OBTAINING AND ANTILEUKOSIS ACTIVITY OF A NEW EPIRUBICIN CONJUGATE WITH CHITOSAN
- BTE-43 Elena Veličkova, Ivana Ilijoska, Eleonora Winkelhausen, Slobodanka Kuzmanova
SHELF LIFE OF SAUSEGES MADE WITH FAT SUPSTITUTES
- BTE-44 Eleonora Winkelhausen, Elena Veličkova, Samuel A. Amartey, Slobodanka Kuzmanova
ACCEPTABILITY OF BAKED PRODUCTS PREPARED WITH POLYOLS
- BTE-45 Jale Yanik, Mithat Yüksel, Mehmet Saçlam, Andrea Kruse
BIOMASS GASIFICATION IN SUPERCRITICAL WATER

4. Chemical Engineering – CHE

- CHE-1 Mirko Aleksić, Ljubiša Vasić, Ivana B. Banković-Ilić, Vlada Veljković, Miodrag Lazić, Dejan Skala
CORRELATION FOR VOLUMETRIC MASS TRANSFER COEFFICIENT IN A RECIPROCATING PLATE COLUMNS DIFFERENT DIAMETER
- CHE-2 Iva Dardanova, Lubomir Petkov
COMPARATIVE INVESTIGATION ON THE PROCESS OF SODIUM HYPOCHLORITE PRODUCTION FROM CONCENTRATED AND DILUTED SOLUTIONS
- CHE-3 Goran Demboski, Maja Nofitoska
COSTS ANALYSIS DUE TO BASE FABRIC DEFECTS IN THE CUTTING PROCESS
- CHE-4 Goran Demboski, M. A. Carvalho, Maja Nofitoska
THE OBJECTIVE EVALUATION OF WOLL AND WOLL BLENDED FABRIC FOR CLOTHING
- CHE-5 Viorica Deselnicu, Florin Platon, Marian Crudu, Oana Cristina Deselnicu
INNOVATIVE ORGANIC TANNING FOR LEATHER
- CHE-6 Emila Djordjević, Stephan Kabelać, Slobodan Serbanović
HEAT TRANSFER AND PRESSURE DROP DURING EVAPORATION OF REFRIGERANT R-134a IN A VERTICAL PLATE HEAT EXCHANGER
- CHE-7 A. Eliyas, L. Spasov, L. Prahov, L. Petrov
GAS-PHASE REACTOR FOR PHOTOCATALYTIC AIR PURIFICATION OVER TITANIA/CORDIERITE HONEYCOMB MONOLITH
- CHE-8 Zeno Ghizdaveț, Dorel Radu, Ovidiu Dumitrescu
CLINKER HEAT OF REACTION CALCULUS UNDER NON-EQUILIBRIUM CONDITIONS
- CHE-9 Sarina Ionescu, Mihai Georgescu
WORLD TRENDS IN PETROLEUM REFINING
- CHE-10 Gheorghita Jinescu, Paul Vasilescu, Gabriela Isopencu, Monica Mares
INTENSIVE PROCEDURES OF GRANULAR BIOMATERIAL DRYING
- CHE-11 Bojan Jokić, Vladimir Pavičević, Marina Stamenović
SUBSTITUTION OF HIDRAZINE BY VOLATILE OXYGEN SCAVENGERS AND ALKALIZING AGENTS IN THERMAL CYCLES
- CHE-12 D. Lončarević, A. Milutinović-Nikolić, Z. Mojović, Ž. Čupić, D. Jovanović
PARTIAL OXIDATION OF CYCLOHEXANE ON MODIFIED CLAY SUPPORTED COBALT CATALYST

- CHE-13 Mirjana Minčeva, Mirko Marinkovski, Liljana Markovska, Verka Meško
SINGLE AND BINARY COMPONENT ADSORPTION OF Zn(II) AND Cd(II) FROM AQUEOUS SOLUTION USING GARNULATED ACTIVATED CARBON AND NATURAL ZEOLITE
- CHE-14 Valentin Munteanu, Josef Jarosinski
INVESTIGATION OF PROPANE-AIR FLAME PROPAGATING IN NARROW CHANNELS UNDER QUENCHING CONDITION
- CHE-15 S. Nenkova, T. Vasileva, K. Stanulov
PRODUCTION OF PHENOL COMPOUNDS BY ALKALINE TREATMENT OF TECHNICAL HYDROLYSIS LIGNIN AND WOOD BIOMASS
- CHE-16 K. Ouzounov, G. Vissokov, I. Grancharov, L. Brakalov
THERMODYNAMIC OPPORTUNITIES FOR PLASMA-CHEMICAL PURIFICATION AND UTILIZATION OF SYSTEMS CONSISTING OF INDUSTRIAL WASTES AND MINERAL RAW MATERIAL
- CHE-17 Petrica Pavel, Mariella Constantinescu, Mircea Olteanu
A MODEL FOR NON-ISOTHERMAL SOLIDIFICATION OF A MOLTEN SALT SYSTEM AROUND A HORIZONTAL PIPE
- CHE-18 Georgi Peev, Agnessa Nikolova, Dimitar Peshev
DISSOLUTION IN LIQUID FILM FLOW ON A ROTATING HORIZONTAL DISC
- CHE-19 Tatyana Petrova, Rumen Darakchiev, Krum Semkov, Simeon Darakchiev
ON THE PRECISION OF MEASURING THE GAS FLOW MALDISTRIBUTION FACTOR IN PACKED COLUMNS
- CHE-20 Georgeta Predeanu, S. Lambescu, C-tin Rohr, Valerica Slăvescu, G. Surugiu, I. Vacarciuc, St. Angelescu, E. Belu, O. Scorțariu
A NEW CLEAN TECHNOLOGY AN APPROACH FOR SUSTAINABLE DEVELOPMENT IN ROMANIA
- CHE-21 Morteza Rahmanpour, Reza Ebrahimi, M. Shams
AERODYNAMIC HEATING WITH NONEQUILIBRIUM REACTIONS AND GAS RADIATION FROM FLOW FIELD OVER A BLUNT BODY
- CHE-22 Morteza Rahmanpour, Reza Ebrahimi, M. Shams
NONEQUILIBRIUM REACTIVE FLOW FIELD OVER A BLUNT BODY AT HYPERSONIC FLIGHT
- CHE-23 Mariana Savova, Ilona Seikova
KINETICS OF EXTRACTION FROM SOLID PLANT TISSUES BY PULSED ELECTRIC FIELD TREATMENT
- CHE-24 Teuta Selimi, Salih Gashi, Fetah I. Podvorica, Bashkim Thaçi
EFFECT OF CASTING SOLUTION COMPOSITION ON PERFORMACE OF CELLULOSE ACETATE COAL HETEROGENEOUS REVERSE OSMOSIS MEMBRANES.
- CHE-25 M. Stamenović, S. Putić, P. Stajčić
STRESS AND STRAIN DETERMINATION IN VERTICAL CUTTING OF GLASS-POLYESTER COMPOSITE PIPES
- CHE-26 Ljubiša S. Vasić, Ivana B. Banković-Ilić, Miodrag L. Lazić, Vlada B. Veljković, Dejan U. Skala
THE GAS HOLD-UP IN A 16.6 cm I. D. MULTIPHASE RECIPROCATING PLATE COLUMN

5. Education – EDU

- EDU-1 Jasna Adamov, Mirjana Segedinac
SURVEY OF APPLICATION OF INFORMATION-COMMUNICATION TECHNOLOGIES IN CHEMICAL EDUCATION IN PRIMARY SCHOOLS IN NOVI SAD, SERBIA
- EDU-2 Ksenija Hadži-Toševa-Avramčeva, Slobotka Aleksovska
CHEMISTRY ON-LINE DISTANCE LEARNING MODELS AND THE POSSIBILITIES FOR THEIR INTRODUCING IN THE EDUCATIONAL SYSTEM IN R. MACEDONIA
- EDU-3 Güliz Aydın, Ali Günay Balim, Ertuğ Evrekli
THE USE OF MIND MAPS AND THE ACTIVITY EXAMPLES BASED ON THE THEORY OF MULTIPLE INTELLIGENCES IN THE SUBJECT OF “THE CLASSIFICATION OF SUBSTANCES AND THEIR TRANSFORMATIONS” IN THE SCIENCE INSTRUCTION
- EDU-4 Ali Günay Balim, Ertuğ Evrekli, Güliz Aydın
THE USE OF THE MIND MAPPING TECHNIQUE IN CHEMISTRY TEACHING
- EDU-5 Rajna Bogeska, Blagica Cekova, Filimena Karafiljkovska
IMPROVING THE QUALITY OF THE EDUCATION TROUGH OTHER TECHNIQUE AND METHODS OF LEARNING
- EDU-6 Snežana Bojović, Dragica Trivić
THE EFFECTS OF THE MOST COMPREHENSIVE REFORM OF THE UNIVERSITY IN BELGRADE
- EDU-7 Velichka Dimitrova, Mario Mitov, Stefan Manev
INTERACTIVITY AND INTERDICPLINARY LINKS IN THE TRAINING OF STUDENTS-CHEMISTS

- EDU-8 Velichka Dimitrova, Mario Mitov, Stefan Manev
USE OF INTERACTIVE METHODS IN THE CHEMICAL EDUCATION
- EDU-9 T. J. Halasi, Roza J. Halasi
KEKULÉ THE THEORETICIAN AND PROFESSOR
- EDU-10 Filimena Karafiljkovska, Blagica Cekova, Rajna Bogeska
MODERNIZATION OF EDUCATION WITH USING ACTIVITY : RESEARCH PROGRESS
- EDU-11 Jasminka N. Korolija, Snežana Rajić, Ljuba M. Mandić
CHECK OF HIGH-SCHOOL STUDENTS' SCIENCE AND TECHNOLOGY LITERACY THROUGH DISCUSSING THE CONCEPT OF EUTROPHICATION
- EDU-12 Marina Monković, Vladimir M. Petruševski, Bojan Šoptrajanov
CHEMICAL DEMONSTRATIONS IN IRONING-OUT PRECONCEPTIONS: 1. REACTIONS OF ALKALI METAL SULFATES WITH CONCENTRATED SULFURIC ACID
- EDU-13 Corneliu Radu
ECONOMIC ENGINEERING AND CHEMICAL EDUCATION IN ROMANIA
- EDU-14 Miomir Randjelović, Mirjana Marković, Dragica Trivić, Ratko Jankov, Vladimir Vukotić
THE STANDARDS FOR CHEMISTRY TEACHING AND EVALUATION OF STUDENTS' ACHIEVEMENTS
- EDU-15 Şebnem Aksu Soydan, Mehmet Kartal
THE IMPORTANCE OF ACTIVE LEARNING IN CHEMISTRY EDUCATION
- EDU-16 Suat Türkoğuz, Zeliha Yayla
STUDENTS' ATTITUDES TOWARDS INTEGRATION OF ART AND CHEMISTRY SUBJECTS FOR TEACHING CHEMISTRY LESSONS AT UNIVERSITIES

6. Environmental – ENV

- ENV-1 Biljana F. Abramović, Vesna B. Anderluh, Ferenc Gaál, Daniela V. Šojić
INVESTIGATION OF THE STABILITY OF HERBICIDES PICLORAM AND TRICLOPYR
- ENV-2 Sibel Kılınç Alpat, Bilge Hilal Çadircı, Özge Özbayrak, İhsan Yaşa, Şenol Alpat
EQUILIBRIUM, KINETIC AND MECHANISM OF NICKEL BIOSORPTION BY MICROORGANISM CIRCINELLA SP
- ENV-3 Sorin-Marius Avramescu, Ion Udrea, Corina Bradu, Florin Ruță
REMOVAL OF CYANIDE AND 2-NITROPHENOL FROM AQUEOUS SOLUTIONS BY CATALYTIC OXIDATION
- ENV-4 N. Z. Blagojević, D. D. Djurović, V. L. Vukašinović-Pešić
CONTENT OF HEAVY METALS IN THE SOIL, FOOD AND GRASS SAMPLES IN THE SURROUNDING AREA OF ALUMINUM FACTORY PODGORICA AND HIGHROAD
- ENV-5 Corina Bradu, Ion Udrea, Sorin-Marius Avramescu, Nicoleta Mihalache
EFFECT OF BICARBONATE AND PHOSPHATE IONS ON CuO: Al₂O₃ CATALYZED OXIDATION OF 2-NITROPHENOL WITH H₂O₂
- ENV-6 Mirela Britchi, Mircea Olteanu
RADIOCHEMICAL CONTAMINATION OF ROMANIAN ENVIRONMENT IN 1986 BY THE NUCLEAR ACCIDENT AT CHERNOBYL
- ENV-7 Katarina Čundeva, Trajče Stafilov, Gorica Pavlovska
A METHOD FOR DETERMINATION OF TRACE AMOUNTS OF SILVER IN WATER MATRICES BY ETAAS
- ENV-8 Maja Dimitrovska, Zoran Kavrakovski, Lidija Petruševska-Tozi
SIMULTANEOUS DETERMINATION OF ACIDIC AND BASIC HERBICIDES BY HPLC-UV
- ENV-9 Bojan Dimzoski, Aleksandra Bužarovska, Gordana Bogoeva-Gaceva
APPLICATION OF INORGANIC POLYMERIC COAGULANT FOR DYE WASTEWATER TREATMENT
- ENV-10 Suzana Dragulović, Valentina Dimitrijević, Suzana Živkonić-Nikolić
PURIFICATION OF EFFLUENT SOLUTION REMAINING AFTER REMOVING THE COPPER FROM ELECTROLYTE BLEED STEAM BY SORPTION ON ANIONIC ION EXCHANGE RESINS
- ENV-11 Aleksandar Duborija, Miodrag Stanisavljević
DETERMINATION OF HEAVY METALS (Fe, Cu, Zn, Cd AND Pb) IN SEDIMENTS OF SKADAR LAKE (SERBIA & MONTENEGRO)
- ENV-12 Vangelica Enimiteva, Trajče Stafilov, Katarina Čundeva
COBALT(III) TETRAMETHYLENEDITHIOCARBAMATE AS A NEW FLOTATION COLLECTOR FOR PRECONCENTRATION AND SEPARATION OF CADMIUM AND LEAD DETERMINED BY ZEEMAN ELECTROTHERMAL ATOMIC ABSORPTION SPECTROMETRY
- ENV-13 Ion Frăsineanu, Nicolae Sdrula
SOURCES AND RESOURCES OF ENERGY

- ENV-14 Svetomir Hadži Jordanov, Milan Tasev, Perica Paunović, Aleksandar Dimitrov, Dragan Slavkov, Zoran Tasev
CONTROL OF WASTEWATER POLLUTION BY STABILIZATION OF LEACHABLE COMPOUNDS IN COPPER MINING TAILINGS
- ENV-15 Sladjana Kljajević, Ljiljana Malović, Zvezdana Sandić, Dragana Đorđević, Dragica Jakovljević, Aleksandra Nastasović
FUNCTIONAL MACROPOROUS COPOLYMERS FOR HEAVY METALS REMOVAL FROM WASTE WATERS
- ENV-16 Joksım Marinković, Zeljko Kamberović, Marija Korać, Miroslav Sokić
OXIDATIVE ROASTING OF POLYMETALLIC COPPER CONCENTRATE – BEHAVIOR OF SULPHUR
- ENV-17 Vasile Matei, Traian Juganaru, Dragos Ciuparu, Daniela Popovici, Dorina Matei, Anca Borcea
AROMATICAL HYDROCARBONS REMOVAL FROM ORGANIC SOLVENTS
- ENV-18 Vasile Matei, Dorina Matei, Luminita Patron, Daniela Popovici, Ion Bolocan, Ioana Mandru, Anca Borcea, Daniela Movileanu
TRANSITIONAL METALS OXIDES SYSTEMS – CATALYSTS FOR ENVIRONMENT PROTECTION
- ENV-19 Violeta Mitić, Vesna Stankov-Jovanović, Niko Radulović, Slađana Alagić, Radosav Palić, Gordana Stojanović
THE CONTENT OF Hg, Cd, Pb, AND Cr IN SOME SERBIAN BRED TOBACCO CULTIVARS
- ENV-20 Marian Neata, Constantin Capat, Ion Udrea
REMOVAL OF CHLORINATED VOLATILE ORGANIC COMPOUNDS (DICHLORO ETHANE) FROM WASTE WATER BY STRIPPING AND ADVANCED CATALYTIC OXIDATION
- ENV-21 Teodora Obradović-Grnčarovska, Anita Grozdanov
ECO-INDICATORS AS A MEASURE OF SUSTAINABILITY IN THE FIELD OF POLYMER COMPOSITE MATERIALS
- ENV-22 Özge Özbayrak, Bilge Hilal Çadırcı, Sibel Kılınç Alpat, İhsan Yaşa, Şenol Alpat
BIOSORPTION OF HEAVY METAL IONS BY MICROORGANISM *CIRCINELLA SP.*
- ENV-23 Denis Mihaela Panaitescu, Michaela Iorga, Constantin Radovici, Serban Sever, Marius Ghiurea
ECO-FRIENDLY COMPOSITES FROM POLYMERS AND NATURAL FIBERS
- ENV-24 Mihaela Puiu, Adina Răducan, Irina Babaligea, Dumitru Oancea
PEROXIDASE CATALYZED OXIDATION OF 2-AMINOPHENOL WITH DIOXYGEN IN A SEMIBATCH REACTOR
- ENV-25 S. Rakovsky, M. Anachkov, G. E. Zaikov
OZONATION OF WATER POLLUTED BY ORGANICS
- ENV-26 Florin Ruță, Nicoleta Mihalache, Ion Udrea
ANALYSIS OF CADMIUM FROM URBAN DUST SAMPLES USING ATOMIC ABSORPTION SPECTROMETRY (GFAAS)
- ENV-27 Andrei Sarbu, Ion Udrea, Ioan Stefan Voicu, Gheorghe Nechifor, Cristina Nechifor, Liliana Sarbu, Beda Mariana
PVA MOLECULARLY IMPRINTED MEMBRANES FOR SELECTIVE EXTRACTIONS OF SOME CHEMICAL POLLUTANTS FROM WATER
- ENV-28 Ivan Serafimovski, Darko Bošnjakovski, Elizabeta Dimitrieska Stojković, Mitra Panevska
BIOACCUMULATION OF SOME TRACE ELEMENTS AND Cs-137 IN WILD GROWING MUSHROOMS COLLECTED FROM DIFFERENT REGIONS IN MACEDONIA
- ENV-29 Ivan Serafimovski, Irina B. Karadjova, Trajče Stafilov, Dimiter L. Tsalev
DETERMINATION OF TOTAL ARSENIC AND TOXICOLOGICALLY RELEVANT ARSENIC SPECIES IN FISH BY USING ELECTROTHERMAL AND HYDRIDE GENERATION ATOMIC ABSORPTION SPECTROMETRY
- ENV-30 Dorin Stanica-Ezeanu, Ion Onutu, Ramona Prodan
PET RECYCLING BY THERMAL CRACKING
- ENV-31 B. Stefanov, D. Borisov, D. Kolev
UTILIZING OF BY-PRODUCTS FROM PYROLYSIS OF WASTE TIRES
- ENV-32 Mirjana Stojanović, A. Branković, D. Radulović, D. Ileš, M. Grubišić, J. Mrdaković Popić
REMEDICATION OF URANIUM CONTAMINATED SOIL BY MECHANOCHEMICAL ACTIVATED NATURAL APATITE
- ENV-33 Snežana Trajkovska, Jean-Jacques Aaron, Didier Tessier, Milena Petrovska, Zoran Zdravkovski, Filip Spirovski
STUDY OF THE SPONTANEOUS CHEMICAL DEGRADATION AND TOXICITY OF THREE SELECTED AROMATIC PESTICIDES, USING HPLC AND FIREFLY ATP BIOLUMINESCENCE

7. Inorganic Chemistry – ICH

- ICH-1 Slobotka Aleksovska, Igor Kuzmanovski, Sandra Dimitrovska-Lazova
STRUCTURAL CORRELATIONS IN CUBIC ABX₃ PEROVSKITES

- ICH-2 K. K. Andjelković, T. R. Todorović, I. Z. Živanović, I. D. Brčeski, D. M. Sladić, D. Minić
SYNTHESIS, CHARACTERIZATION AND THERMAL DECOMPOSITION OF Zn(II), Cd(II) AND Ni(II) COMPLEXES WITH QUINOLINE 2-CARBALDEHYDE SELENOSEMICARBAZONE
- ICH-3 T. Batakliev, S. Rakovsky, G. E. Zaikov
OZONE DECOMPOSITION ON MnO₂ CATALYST
- ICH-4 Andrei Cucos, Narcis Avarvari, Marius Andruh, Yves Journaux, Achim Müller, Marc Schmidtman
REINECKE ANION DERIVATIVES AS TECTONS IN DESIGNING HETEROPOLYMETALLIC SYSTEMS
- ICH-5 Danica G. Cvetić, Dejan M. Gurešić, Urszula Rychlewska, Dušanka D. Radanović, Miloš I. Djuran
CRYSTAL STRUCTURE ANALYSIS OF THE SOLID SOLUTION OF THE COMPOSITION [Mg(H₂O)₆][(Mn(II)_{0.5}Mg(II)_{0.5}(1,3-PDТА)]·2H₂O
- ICH-6 A. Deleanu, M. Iliş, T. Roşu, V. Cîrcu
ORTHO-METALLATED PALLADIUM(II) COMPLEXES
- ICH-7 Miloš I. Djuran, Dušanka D. Radanović, Milica Cvijović, Mirjana Dj. Dimitrijević, Urszula Rychlewska
SYNTHESES OF [Mg(H₂O)₆][Co(1,4-bdta)]·3H₂O AND [Mg(H₂O)₆][Ni(1,4-bdta)]·3H₂O COMPLEXES AND SPONTANEOUS RESOLUTION OF THE RACEMATES BY CRYSTALLIZATION
- ICH-8 Nenad S. Drašković, Dušanka D. Radanović, Urszula Rychlewska, Miloš I. Djuran
POLYMERIC CRYSTAL STRUCTURE OF THE *trans*(O₆) ISOMER OF BARIUM (1,3-PROPANEDIAMINE-*N,N'*-DIACETATO-*N,N'*-DI-3-PROPIONATO)COBALTATE(II) OCTAHYDRATE, *trans*(O₆)-Ba[Co(1,3-PDDADP)]·8H₂O, STABILIZED BY WATER CLUSTERS
- ICH-9 Corina Enache, Cecilia Savii, Daniela Dascalu, Mihaela Popovici, Ramona Radu, Claudia Ionescu
SOL-GEL DERIVED MANGANESE ACTIVATED ZINC SILICATE PHOSPHORS
- ICH-10 Ene Cristian-Dumitru, Augustin Madalan, Hans-Georg Schmidt, Mathias Noltemeyer, Herbert W. Roesky, Marius Andruh
POLYNUCLEAR COPPER(II) COMPLEXES CONSTRUCTED BY USING POLYCARBOXYLIC ACIDS AS BRIDGES
- ICH-11 S. Eric-Antonić, Leposava Filipović-Petrović, V. Vujić, M. Miladinović
SYNTHESIS OF THÉNAR BLUE BY SOL-GEL METHOD
- ICH-12 M. Gabrovska, I. Shtereva, R. Edreva-Kardjieva, M. Stanković, D. Jovanović
TPR STUDY OF SILVER MODIFIED NI/DIATOMITE CATALYSTS FOR EDIBLE OIL HYDROGENATION
- ICH-13 Verica V. Glodjović, Gordana Vasić, Vesna M. Djinović, Srećko R. Trifunović
SYNTHESIS AND CHARACTERIZATION OF THE PLATINUM(IV) COMPLEX WITH ETHYLENEDIAMINE-*N,N'*-DI-S,S-2-PROPIONATE LIGAND
- ICH-14 Rodica Grecu, Elisabeth-Jeanne Popovici, Amalia Hristea, Laura Muresan, Emil Indrea
FTIR STUDIES ON NIOBIUM ACTIVATED YTTRIUM TANTALATE PHOSPHOR
- ICH-15 Tena Šijakova-Ivanova, Vesna Zajkova-Paneva, I. Donova
MINERALOGICAL CHEMICAL CHARACTERISTICS OF GYPSUM OF DEBAR
- ICH-16 V. Kassabova, L. Pavlova, B. Samuneva
RESEARCH ON METAL CITRATE COMPLEXES USED FOR SYNTHESIS OF Mg-Zn FERRITES
- ICH-17 Zorica B. Leka
PREPARATION AND PROPERTIES OF COMPLEX Co(III) WITH TRIAMMONIUM-N-DITHIOCARBOXYIMINODIACETATE, (NH₄)₃L, AS NEW LIGAND
- ICH-18 Vukadin M. Leovac, Violeta S. Jevtović, Lj. S. Jovanović, G. Pellosi
SYNTHESES, PHYSICO-CHEMICAL AND STRUCTURAL CHARACTERIZATION OF Ni(II) COMPLEXES WITH PYRIDOXAL SEMI- AND THIOSEMICARBAZONE
- ICH-19 Petre Makreski, Gligor Jovanovski, Branko Kaitner, Trajče Stafilov, Blažo Boev, Dejan Cibrev
IDENTIFICATION OF SOME MO₂ AND M₂^{III}O₃ (M^{IV} = Ti; M^{III} = Fe OR Al) OXIDE TYPE MINERALS FROM MACEDONIA BY POWDER XRD, AAS AND EAS-ICP
- ICH-20 Petre Makreski, Gligor Jovanovski, Andreja Gajović
VIBRATIONAL SPECTRA OF SOME COMMON APPEARING AMPHIBOLE MINERALS FROM MACEDONIA
- ICH-21 Catalin Maxim, Augustin Madalan, Victor Ch. Kravtsov, Yurii A. Simonov, Sergiu Shova, Floriana Tuna, Marius Andruh
COPPER(II) COMPLEXES WITH TRIDENTATE SCHIFF BASES AS PRECURSORS FOR SUPRAMOLECULAR MULTIMETALLIC SYSTEMS
- ICH-22 Sonja Miličević
THE MODIFIED FENTON'S REACTION
- ICH-23 Dj. U. Miodragović, D. Mitić, Z. M. Miodragović, D. Jeremić, G. Pavlović, K. Andjelković
THE ZINC(II) COMPLEX WITH ALZHEIMER'S DRUG TACRINE
- ICH-24 Laura Muresan, Elisabeth-Jeanne Popovici, Amalia Mesaros, Rodica Grecu, Emil Indrea
EUROPIUM DOPED YTTRIUM OXIDE PHOSPHOR FOR GAS DISCHARGE TUBES

- ICH–25 Goran Nikolić, Suzana Cakić, Sandra Konstantinović, Časlav Lačnjevac, Nikola Ristić, Miloš Rajković
SYNTHESIS, SPECTROSCOPIC AND THERMAL BEHAVIOR OF MIXED-LIGAND COMPLEXES OF Mn(III) BASED ON THE ACETYLACETONATE AND MALEIC ACID AND ITS HYDROXYLAMINE DERIVATIVE
- ICH–26 Traian D. Pasatoiu, Augustin M. Madalan, Narcis Avarvari, Victor Ch. Kravtsov, Yurii A. Simonov, Marius Andruh
SUPRAMOLECULAR SOLID-STATE ARCHITECTURES OBTAINED BY USING MONO- OR BINUCLEAR COPPER(II) COMPLEXES AS TECTONS
- ICH–27 Zagorka Radojević, Anja Terzić, Ljubica Pavlović
HYDROTALCITE SYNTHESIS AND THERMAL DECOMPOSITION
- ICH–28 D. Stanojević, M. Jotanovic, M. Pavlovic, Miladin Gligoric, Dragica Lazić
EVALUATION OF COBALT FROM ZINC AND CADMIUM ELECTROLYSIS BY-PRODUCTS
- ICH–29 Miloš D. Stojanović, Goran N. Kaluđerović, Srećko R. Trifunović, Tibor J. Sabo
NOVEL COMPLEX OF PLATINUM(IV) WITH BRANCH-CHAINED ESTER OF ETHYLENEDIAMINE-*N,N'*-DI-3-PROPANOIC ACID
- ICH–30 T. Tabakova, V. Idakiev, J. Papavasiliou, G. Avgouropoulos, T. Ioannides
IMPACT OF THE SUPPORT ON THE WGS ACTIVITY OF COMBUSTION SYNTHESIZED CuO CATALYSTS
- ICH–31 Mihaela Vlad, Imre Labadi, Ludovic Saity, Otilia Costisor
SYNTHESIS, CHARACTERIZATION AND THERMAL STUDIES OF NEW HETERONUCLEAR COMPLEXES OXOVANADIUM(IV)-COPPER(II) SYSTEM
- ICH–32 Mihaela Vlad, Imre Labadi, Ludovic Saity, Otilia Costisor
SYNTHESIS, CHARACTERIZATION AND THERMAL BEHAVIOUR OF THE HETERONUCLEAR COMPLEX $Cu(VO)_2(C_2O_4)_3(4,4'-BPY)_2 \cdot 2H_2O$

8. Materials – MAT

- MAT–1 Ranko Adžiski, Biljana Angjuševa, Darko Miloševski, Emilija Fidančevska, Venceslav Vassilev
CREATION OF CONTROLLED POROUS METALLURGICAL SLAG – GLASS COMPOSITE
- MAT–2 Biljana Angjuševa, Emilija Fidančevska, Ranko Adžiski, Darko Miloševski, Venceslav Vassilev
GLASS-CERAMICS COMPOSITES OBTAINED FROM COAL FLY ASH
- MAT–3 Adina Arvinte, Camelia Bala, Lucian Rotariu, Vasile Magearu
DEVELOPMENT OF NEW ELECTROCHEMICAL BIOSENSORS BASED ON CARBON NANOTUBES
- MAT–4 Vanja Asanović, Kemal Delijić, Branka Bosnjak
THE PLATE FORMING PROCEDURE OF THE COPPER-BASED SHAPE MEMORY ALLOY
- MAT–5 Blagica Bliznakovska, Blagica Cekova
IDENTIFICATION OF ION-EXCHANGE ABILITY OF POROUS TiO₂ PELLET
- MAT–6 Branka Bosnjak, Branko Radulović
INFLUENCE OF AUSTEMPERING PARAMETERS ON THE STRUCTURAL CHARACTERISTIC OF Ni-Mo-Cu DUCTILE IRON
- MAT–7 Blagica Cekova, Dragi Kocev, Blagoj Pavlovski, Blagica Bliznakovska, Elena Kolčakovska
INVESTIGATION OF THE PROPERTIES OF THE ZEOLITES OBTAINED FROM WASTE MATERIALS
- MAT–8 Blagica Cekova, Dragi Kocev, Blagica Bliznakovska, Elena Kolčakovska
IONIC EXCHANGE OF THE ZEOLITE SYNTHESIZED FROM FLOATING ASHES WITH Ca²⁺ AND Mg²⁺ IONS FROM DRINKING WATER
- MAT–9 Ljiljana S. Čerović, Slobodan K. Milonjić, Djamilia Bahloul-Hourlier, Zorana Dohčević-Mitrović
SURFACE PROPERTIES OF Si-BASED NONOXIDE NANOPOWDERS
- MAT–10 G. Chernev Biserka Samuneva, Peter Djambaski, L. Kabaivanova, E. Emanuilova, E. Dobreva, I. M. Mirinda Salvado, M. H. V. Fernandes, Aiyng Wu
SOL-GEL SYNTHESIS AND APPLICATION OF SILICA HYBRID NANOMATERIALS CONTAINING HYDROXYETHYL METHACRYLATE
- MAT–11 L. Chioaru, I. Jitaru, L. Bancu, F. Manda
ORGANO-INORGANIC LAYER PEROVSKITES
- MAT–12 Slobodan Despotović, Danilo Babić, Lepsava Filipović-Petrović
INVESTIGATION OF MINERALOGICAL CHANGES IN ZORKA CLAY DEPENDING ON FIRING TEMPERATURE
- MAT–13 Sandra Dimitrovska-Lazova, Daniela Kovacheva, Slobotka Aleksovska
SOLUTION COMBUSTION SYNTHESIS AND CRYSTAL STRUCTURE OF ORTHORHOMBIC PEROVSKITE YCrO₃
- MAT–14 Cristina Dumitrescu, Mirela Menicu
WOOD-CEMENT COMPOSITE MATERIALS WITH ENHANCED PROPERTIES. PART 1

- MAT-15 M. Fábíán, E. Veress*, Ioan Bratu, E. Culea, Emil Indrea, E. Sváb
NEW BOROSILICATE GLASSES DEVELOPED AS HOST MEDIA FOR ACTINIDES IMMOBILIZATION
- MAT-16 Eugenia Fagadar-Cosma, Bianca Maranescu, Ileana Armeanu, Cecilia Savii, Corina Enache, Ramona Radu, Claudia Ionescu, Otilia Costisor
DIFFERENTIALLY 3-HYDROXY- FUNCTIONALIZED PORPHYRINS AS PRECURSORS FOR ADVANCED ELECTRONIC MATERIALS
- MAT-17 Leposava Filipović-Petrović, S. Eric-Antonić, V. Vujić, Slobodan Despotović, S. Ilić
MECHANICAL ACTIVATION OF BENTONITE CLAY IN VIBRATION MILL
- MAT-18 M. Georgieva, G. Vissokov, Iv. Grancharov,
PHYSICAL-CHEMICAL CHARACTERIZATION OF NANODISPERSED NITRIDES PRODUCES BY A PLASMA-CHEMICAL TECHNIQUE
- MAT-19 Zvonko Gulišija, Aleksandra Patarić, Veselinka Đorđević
THE MECHANICAL PROPERTIS OF CONTINUAL ELECTROMAGNETIC CASTED AL 2024 ALLOY INGOTS
- MAT-20 V. Hristov, L. Radev, B. Samuneva, I. Michailova, G. Apostolov
HYDROXYAPATITE FORMATION IN SiO₂-TiO₂-PVA HYBRIDS OBTAINED VIA SOL-GEL ROUTE
- MAT-21 Vasko Idakiev, Tatyana Tabakova, Krassimir Tenchev, Zhong-Yong Yuan, Tie-Zhen Ren, Bao-Lian Su
EFFECT OF CERIA AS MODIFYING ADDITIVE TO MESOPOROUS TiO₂ AND ZrO₂ USED AS SUPPORTS FOR GOLD WGS CATALYSTS
- MAT-22 V. Iliev, D. Tomova, L. Bilyarska, G. Tyuliev
INFLUENCE OF THE SIZE OF GOLD NANOPARTICLES DEPOSITED ON TiO₂ UPON THE PHOTOCATALYTIC DESTRUCTION OF OXALIC ACID
- MAT-23 V. Iliev, D. Tomova, R. Todorovska, D. Oliver, L. Petrov, D. Todorovsky, M. Uzunova-Bujnova
PHOTOCATALYTIC PROPERTIES OF TiO₂ MODIFIED WITH GOLD NANOPARTICLES IN THE DEGRADATION OF OXALIC ACID IN AQUEOUS SOLUTION
- MAT-24 Y. Ivanova, Ts. Gerganova
STRUCTURAL CHANGES AT PYROLYSIS OF DI-URETHANESIL HYBRID GEL MATERIALS
- MAT-25 Dušan Izvonar, Anja Terzić, Ljubica Pavlović
INFLUENCE OF SILANE ON HYDROFOBIC CHARACTERISTICS OF CEMENT BASED PLASTERS
- MAT-26 V. Jovanović, D. Čebzan, M. Petković, Vera Dondur, Ljiljana Damjanović
FUNCTIONALIZED ZEOLITES – EFFICIENT ADSORBENTS FOR ANTIBIOTIC DOXYCYCLINE
- MAT-27 E. Kashchieva
ORIGINE AND EVOLUTION OF MICROHETEROGENEOUS STRUCTURES IN TERNARY SYSTEMS BASED ON GLASS-FORMING OXIDES
- MAT-28 S. Konstantinović, Blaga Radovanović, Goran Nikolić, A. Radovanović, G. Marković
STUDY OF STYRENE BUTADIENE/CHLOROSULPHONATED POLYETHYLENE/WOOD FLOUR COMPOSITES
- MAT-29 Olgica Kovačević, Branimir Kovačević, Dragana Arandjelović, Nada Lazić, Zorica Vuković, Vera Dondur, Živoslav Tesić
THE INFLUECE OF THERMAL TREATMENT ON THE PRECIPITATED SILICA NANOPARTICLE
- MAT-30 S. Lukić, A. Milutinović-Nikolić, K. Asanović, Z. Vuković, G. Popović
NONWOVEN BASED COMPOSITES FOR INCONTINENCE PRODUCTS
- MAT-31 Ružica Manojlović, Natalija Arsoška
APPEARANCE OF SPREADING IN COLD ROLLING OF DIFFERENT METAL MATERIALS
- MAT-32 Amalia Mesaros, Elisabeth-Jeanne Popovici, Laura Muresan, Rodica Grecu
PHOTOLUMINESCENCE PROPERTIES OF NIOBIUM AND RARE EARTH ACTIVATED YTTRIUM TANTALATE POWDERS
- MAT-33 M. Milanova, S. Anastassova, E. Kashchieva, T. Czeppe, D. Todorovsky
MORPHOLOGY, OPTICAL PROPERTIES AND THERMOCHEMICAL BEHAVIOR OF Ru(II) - CONTAINING THIN FILMS USED AS OXYGENE SENSORS
- MAT-34 A. Milutinović-Nikolić, Ljiljana Čerović, Jugoslav Krstić, S. Milonjić, D. Jovanović
THE INFLUENCE OF ACID TREATMENT ON SOME PROPERTIES OF BENTONITE
- MAT-35 Adriana Moanță, Ion Teoreanu
EFFECTS OF INTERGRINDING SURFACE-ACTIVE ADDITIVES ON THE GRINDING AND HARDENING PERFORMANCE OF COMPOSITE CEMENTS WITH LOW RATIOS OF PORTLAND CEMENT
- MAT-36 B. Monchev, P. Petkov, T. Petkova
STRUCTURAL CHARACTERISTICS OF NOVEL BULK Ge-S-AgI GLASSES
- MAT-37 Ștefania Motoc, Enikő Volceanov, Rodica Neagu, Alexandru Abagiu, Petru Nita, Simona Badea, Marcel Istrate
ALUMINA MATRIX COMPOSITES FOR BALLISTIC APPLICATIONS

- MAT-38 Silviu Nastase, Augustin Madalan, Victor Ch. Kravtsov, Yurii A. Simonov, Christopher Muryn, Marius Andruh
FOUR NEW MANGANESE(III) COMPLEXES, POTENTIALLY PRECURSORS FOR MAGNETIC MATERIALS
- MAT-39 Rodica Neagu, Ștefania Motoc, Enikő Volceanov, Patricia Balog
ASSESSMENT OF HIGH PURITY MICRONISED ALUMINA POWDERS PROCESSING FOR SPECIAL APPLICATION
- MAT-40 Yordanka Nedeva, Emil Lilov, Emil Petkov, Christo Petkov, Vanya Ivanova
PHYSICO-CHEMICAL AND MECHANICAL BEHAVIOURS OF CHALCOGENIDE Ge-Se (Te)-Ga GLASSES
- MAT-41 Jenica Paceagiu, Maria Georgescu
EFFECT OF CURING MEDIUMS ON CERTAIN PHYSICAL AND MECHANICAL PROPERTIES OF MAGNESIAN-PHOSPHATE BINDING MATERIALS
- MAT-42 Denitsa Pantaleeva, Tsonko Kolev, Michael Spittler
SUBSTITUTED PYRIDINIUM-BETAINES OF SQUARIC ACID: PROMISING CHROMOPHORES FOR NONLINEAR OPTICAL APPLICATIONS
- MAT-43 Maria Paraschiv, Valerica Slăvescu, Silviu Lambescu
C-C COMPOSITES WITH VITREOUS CARBON
- MAT-44 Maria Paraschiv, Valerica Slăvescu, Silviu Lambescu
VITREOUS CARBON – MANUFACTURING AND STRUCTURE INVESTIGATIONS
- MAT-45 Svetlin Parvanov
COMPOSITION DEPENDENCE OF SOME PHYSICAL PROPERTIES IN AMORPHOUS $\text{Ge}_x\text{Se}_{1-x}$ AND $(\text{GeSe}_3)_{1-x}\text{B}_x$ THIN FILMS
- MAT-46 Svetlin Parvanov, Venceslav Vassilev, Temenuga Hristova-Vasileva
ELECTRICAL PROPERTIES OF AMORPHOUS As-Te-Sb THIN FILMS
- MAT-47 Svetlin Parvanov, Venceslav Vassilev, Katerina Tomova
OPTICAL PROPERTIES OF NEW CHALCOGENIDE GLASSES FROM THE $\text{GeSe}_2\text{-Sb}_2\text{Se}_3\text{-PbSe}$ SYSTEMS
- MAT-48 Ljubica Pavlović, Anja Terzić, Nataša Djordjević, Velimir Antanasković
ELECTROINSULATION MATERIALS ON THE GLASS BASE
- MAT-49 Biljana Pejova, Ivan Grozdanov, Bahattin Abay
TEMPERATURE DEPENDENCE OF THE BAND GAP ENERGY AND SUB-BAND GAP ABSORPTION TAILS IN THIN FILMS OF SEMICONDUCTING CADMIUM SELENIDE QUANTUM DOTS
- MAT-50 Irena Petrova, Nikolay Dishovsky, Rashko Dimitrov
ELECTRICAL PROPERTIES OF MAGNETIC FIELD MODIFIED CHLOROPRENE RUBBER THIN FILMS
- MAT-51 Aurel Prstić, Zagorka Aćimović Pavlović, Ljubica Pavlović, Anja Terzić
THE POSSIBILITY OF APPLICATION OF BASALT IN THE AIM OF OBTAINING CERAMIC GLAZES
- MAT-52 Aleksandra Radulović¹, Radovan Dimitrijević², Predrag Vulić², Vera Dondur³
THE INFLUENCE OF Na-LTA SYNTHESIS ROUTE ON THE LOW-CARNEGIEITE CRYSTALLIZATION
- MAT-53 Raicho Raicheff, Vesela Zaprianova, Elitza Petrova
ELECTROCHEMICAL AND CORROSION BEHAVIOUR OF AMORPHOUS, NANOCRYSTALLINE AND CRYSTALLINE Fe-B-Si ALLOYS
- MAT-54 N. Rangelova, S. Nenkova, L. Radev, B. Samuneva, B. Alexiev, I. Michailova, I. M. M. Salvado, M. H. V. Fernandes
SILICA HYBRID MATERIALS CONTAINING PECTIN AND METAL IONS
- MAT-55 R. Rashkov, Mario Mitov, M. Arnaudova, N. Atanassov, A. Zielonka
SYNTHESIS, STRUCTURE AND CATALYTIC ACTIVITY OF NANOSTRUCTURED Co-BASED ELECTRODEPOSITS
- MAT-56 Gordana Ruseska, Emilija Fidančevska, Ratka Miloševska
MECHANICAL AND THERMAL EXPANSION CHARACTERISTICS FOR $\text{Ca}_{10}(\text{PO}_4)_6(\text{OH})_2$ – SiO_2 COMPOSITES CORRELATED BY SEVERAL MODEL EQUATIONS
- MAT-57 Andrei Sarbu, Ioan Stefan Voicu, Luminita Mara, Ștefania Motoc, Alexandru Abagiu, Victor Fruth, Sorina Garea, Horia Iovu, Mariana Beda, Liliana Sarbu
HYBRID INORGANIC – ORGANIC NANOCOMPOSITES AS SILICON NITRIDE PRECURSORS
- MAT-58 Maria-Loredana Soran, Ovidiu Pană, Cristian Mihail Teodorescu, Rodica Turcu, Lucian Barbu
SYNTHESIS OF IRON-GOLD-POLYPYRROLE CORE-SHELL NANOPARTICLES
- MAT-59 Vineta Srebrenkoska, Dimko Dimeski, Gordana Bogoeva-Gaceva, Anita Grozdanov, Aleksandra Bužarovska
CHARACTERIZATION OF KENAF / PLA COMPOSITES

- MAT-60 Maria Ștefan, Elisabeth-Jeanne Popovici, Ioan Baldea, Rodica Grecu, Emil Indrea
**INFLUENCE OF THE PREPARATIVE CONDITIONS ON THE OPTICAL AND MORFO-
STRUCTURAL PROPERTIES OF CHEMICAL BATH DEPOSITED ZINC SULPHIDE THIN FILMS**
- MAT-61 P. Stefanov, Tzv. Tzvetanov, D. Garlanov, G. Vissokov*, Iv. Grancharov
**PLASMA-CHEMICAL INSTALLATION FOR PREPARING OF NANODISPERSED CARBON
STRUCTURES**
- MAT-62 L. Stejeran, L. Silaghi-Dumitrescu, V. Lates, C. Popescu
FERROCENE-SUBSTITUTED CALIX[4]PYRROLES: NEW ELECTROCHEMICAL SENSORS
- MAT-63 Daniel Mircea Sutiman, Teodor Mircea Nechita, Ioan Iordache
**STABILITY OF LOW ALLOY STEELS IN THE ORGANIC MEDIUM WITH SUCCINIC AND ADIPIC
ACIDS**
- MAT-64 Daniel Mircea Sutiman, Daniel Mareci, Teodor Mircea Nechita, Ioan Iordache
**THE ELECTROCHEMICAL BEHAVIOR OF SOME UNNOBLE ALLOYS IN FUSAYAMA
ARTIFICIAL SALIVA**
- MAT-65 Tzv. Tzvetanov*, P. Stefanov, D. Garlanov, G. Vissokov, Iv. Grancharov
A SURVEY OF PLASMA-CHEMICALLY PRODUCED NANODISPERSED CARBON STRUCTURES
- MAT-66 Philip Ublekov, Maya Staneva, Emanuel Nedkov, Aleksandra Bužarovska, Gordana Bogoeva-
Gaceva, Maurizio Avella, Gennaro Gentile
CRYSTALLIZATION KINETICS OF NEAT PHBV AND COMPOSITES PHBV/KENAF
- MAT-67 M. R. Vasić, M. M. Vijatović, C. Jovalekić, B. D. Stojanović
INFLUENCE OF POWDER SYNTHESIS ON BaTiO₃ ELECTRICAL PROPERTIES
- MAT-68 Radomir Vasić, Zagorka Radojević
THE CORROSION INFLUENCE OF THE SOLUBLE SALTS IN THE MASONRY CONSTRUCTION
- MAT-69 Venceslav Vassilev, Svetlin Parvanov, K. Tomova, Emilija Fidančevska, V. Vachkov, Milosav
Miloševski, L. Aljihmani
PHYSICOCHEMICAL PROPERTIES OF GLASSES IN THE GeSe₂-PbSe-PbTe SYSTEM
- MAT-70 Vencislav Vassilev, L. Aljihmani, Emilija Fidančevska, Svetlin Parvanov¹, V. Vachkov, Milosav
Miloševski, T. Hristova-Vasileva
**STUDY ON THE SOLUBILITY KINETICS OF CHALCOGENIDE GLASSES FROM THE As₂Se₃-
GeSe₂-Ag₄SSe SYSTEM**
- MAT-71 Dj. Veljović, B. Jokić, D. Tanasković, I. Janković-Častvan, S. Lazarević, R. Petrović, Dj. Janačković
CHARACTERIZATION OF HAP CERAMICS OBTAINED BY SINTERING AND HOT PRESSING
- MAT-72 Enikő Volceanov, Rodica Neagu, Adriana Petrescu, Mihai Becherescu, Stefania Motoc, Alexandru
Abagiu, Adrian Volceanov, Maria Ionescu, Alexandrina Enescu
DEVELOPMENT OF SILICON CARBIDE / VITREOUS OXIDE FIBRES WASTE COMPOSITES
- MAT-73 Enikő Volceanov, Adrian Volceanov, Carmen Plăpcianu, Ștefania Stoleriu, Ștefania Motoc, Mihai
Becherescu
**SINTERING ENVIRONMENT INFLUENCE ON TERNARY ZIRCONIA POWDERS STABILISATION
PROCESS**
- MAT-74 Adrian Volceanov, Enikő Volceanov, Carmen Plăpcianu, Cristina Valsangiacom, Ștefania Motoc,
Mihai Becherescu
ZIRCONIA POWDERS STABILISATION IN POLYNARY SYSTEMS
- MAT-75 Tatjana Volkov Husović, Jasmina Dostanić, Marija Dimitrijević, Dragan Mitraković
**AN IMPROVED THERMAL STABILITY CHARACTERIZATION METHOD FOR REFRACTORY
SPECIMEN**
- MAT-76 Zeliha Yayla, İlker Özkan
THE USE OF LEAD GLAZES IN CERAMICS
- MAT-77 Vladan Zlatanovic, Slobodan Bogoevski, Stefan Pocev, Stojan Zafirovski, Ranko Adžiski
WATER GLASS – MACEDONIAN PRODUCT
- MAT-78 Biljana Zlatičanin, Mirjana Filipović, Branislav Radonjić
**THE EFFECT OF TITANIUM CONTENTS ON THE STRUCTURE OF THE Al-5 wt.% Cu-2 wt.% Mg
ALLOY**

9. Organic Chemistry – OCH

- OCH-1 Majlinda Daci-Ajvazi, Sevdije Govori, Vuksan Kalaj
SYNTHESIS OF SOME NEW COMPOUNDS OF 2-OXO-2H-CHROMENE
- OCH-2 Deana Andrić, G. Roglić, V. Šukalović, Gordana Tovilović, M. Tomić, Sladjana Kostić-Rajačić
**SYNTHESIS AND PHARMACOLOGICAL EVALUATION OF 5-[3-(4-ARYLPYPERAZIN-1-
YL)PROPOXY]-1,3-DIHYDRO-2H-BENZIMIDAZOLE-2-THIONES**
- OCH-3 Nikolaos G. Argyropoulos, Evdokia Coutouli-Argyropoulou, Petros Gkizis
**SYNTHETIC STUDIES TOWARDS AZASUGAR DERIVATIVES VIA 1,3-DIPOLAR
CYCLOADDITION OF CHIRAL NITRONES WITH ALKENES**

- OCH-4 Delia Atanasoae, Ion Sebe
SYNTHESIS AND CHARACTERIZATION OF NEW AZOCOUMARIN COMPOUNDS WITH FLUORESCENT PROPERTIES
- OCH-5 Anca Beleaga, Monika Kulcsar, Anca Silvestru,* Cristian Silvestru, Richard Varga
ORGANOCHALCOGEN(I) AND -CHALCOGEN(IV) [E = SE, TE] COMPOUNDS CONTAINING [2-{X(CH₂CH₂)₂NCH₂}C₆H₄] MOIETIES (X = O, NME). SOLUTION BEHAVIOR AND SOLID STATE STRUCTURE
- OCH-6 Elena Bogdan, E. Güllük, M. Christl
3-SUBSTITUTED CYCLOPENTA[C]PYRANS: SYNTHESIS AND ELECTROPHILIC SUBSTITUTIONS
- OCH-7 Carmen Maria Bucovicean, Otilia Costisor, Liliana Cseh
STAR-SHAPED PROMESOGENIC LIGANDS. THE SYNTHESIS AND CHARACTERIZATION OF LIGAND 1,3,5-TRIS(3,5-DI-SUBSTITUTES)BENZOYLOXY)BENZENE AND THEIR PRECURSORS
- OCH-8 Atanas G. Chapkanov, Bojidarka B. Koleva*, Michail G. Arnaudov, Ivan K. Petkov
EXPERIMENTAL AND THEORETICAL UV-SPECTRAL CHARACTERIZATION OF THE 1-PHENYL-3-SUBSTITUTED-PYRAZOL-5-ONES
- OCH-9 Nicoleta Chira, Claudia Mihai, Raluca Stan, Cristina Todașcă, Sorin Roșca
AZO DYES AND POLYPHENOLIC STRUCTURAL MOTIFS GRAFTED ON NATURALLY OCCURRING ACIDS
- OCH-10 Otilia Costisor, Ramona Tudose, Elena Maria Mosoarca, Radostina Alexandrova, Eugenia Fagadar-Cosma
MONONUCLEAR AND BINUCLEAR IRON COMPLEXES CONTAINING MANNICH BASES AS LIGANDS – SYNTHESIS, SPECTRAL CHARACTERISTICS AND BIOLOGICAL ACTIVITY
- OCH-11 Ancuta Covaci, Antonio Laguna, M. Conception Gimeno, Anca Silvestru, Cristian Silvestru
PHOSPHINES WITH 2-(ME₂NCH₂)C₆H₄ GROUPS IN THE COORDINATION CHEMISTRY OF GOLD
- OCH-12 Adina Cristea, Anca Silvestru, Cristian Silvestru*
NEW ORGANOLEAD(IV) COMPOUNDS CONTAINING N,N-DIORGANODITHIOCARBAMATO LIGANDS
- OCH-13 Castelia Cristea, Gabriela Cormos, Delia Gligor, Liana Muresan, Ioan A. Silberg
REDOX PROPERTIES OF SOME NEW PHENOTHIAZINE DERIVATIVES
- OCH-14 Luminița David, Alexandrina Nan, Ion Grosu, Sorin Mager
SYNTHESIS, STEREOCHEMISTRY AND RING-CHAIN TAUTOMERISM OF SOME NEW PERHYDRO-1,3-OXAZINE DERIVATIVES
- OCH-15 Dan Domide, Dan Iridon, Mihai Moga, Gabriela Blăniță, Monica Bucșa, Maria Coroș, Mircea Vlăssă
SYNTHESIS OF NEW ORGANIC LIGANDS
- OCH-16 S. Ž. Drmanić, B. Ž. Jovanović, A. D. Marinković
THE INFLUENCE OF VARIOUS SOLVENTS ON THE REACTIVITY OF 6-SUBSTITUTED NICOTINIC ACIDS IN THE REACTION WITH DIAZODIPHENYLMETHANE
- OCH-17 Florea Dumitrascu, Mino R. Caira, Constantin Draghici, Miron T. Caproiu, Loredana Barbu
ISOLATION AND X-RAY STRUCTURE OF AN INTERMEDIATE IN 1,3-DIPOLAR CYCLOADDITION OF 1,10-PHENANTHROLINIUM N-YLIDES WITH ALKYNES
- OCH-18 Rajabali Ebrahimi, Shahriar Ghammami
KINETICS AND OXIDATION OF SOME ALCOHOLS BY TETRAMETHYLAMMONIUM FLUOROCHROMATE
- OCH-19 Luiza Gaina, Ioan A. Silberg, Tamas Lovasz, Gyorgy Turos, Antal Csampai, Pal Sohar
ULTRASOUND ACCELERATED OXIDATION OF PHENOTHIAZINE DERIVATIVES
- OCH-20 Costinela-Laura Gáspár, Ioan Panea, Ioan Bâldea
SPECTROPHOTOMETRIC pK_a DETERMINATION OF SOME NEW 3H-INDOLO-2-DIMETHINEHEMICYANINE DYES
- OCH-21 Șerban-Andrei Gâz, Yvan Ramondenc, Gérard Plé, Ion Grosu
SYNTHESIS, STRUCTURAL ANALYSIS AND PROPERTIES OF SOME NEW THIA-MACROCYCLES WITH SPIRANIC UNITS
- OCH-22 Maria Elena Grad, Georgeta Maria Simu, Silvana Tomici, Simona Muntean
SYNTHESIS AND COLOUR ANALYSIS OF SOME NEW DISAZO DYES DERIVED OF 4,4'-DIAMINOSTILBENE-2,2'-DISULFONIC ACID
- OCH-23 Ion Grosu, Niculina Bogdan, Yvan Ramondenc, Eric Condamine, Loïc Toupet, Elena Bogdan, Sorin Mager
DESIGN, SYNTHESIS, STRUCTURAL ANALYSIS AND SUPRAMOLECULAR PROPERTIES OF SOME NEW CYCLOPHANES
- OCH-24 Florin Iordache, Ion Costea, V. A. Aguirre Yela, Stefan A. Iordache, Madalina Hrubaru, Paul Balaure, Dan Mihaiescu
SUBSTITUTION REACTIONS TO 3-PHENYL-SYDNONE SYSTEM
- OCH-25 Diana Ivanova, Daniela Batovska, Ilijana Timtcheva
ABSORPTION AND FLUORESCENCE PROPERTIES OF SOME SUBSTITUTED IN THE STYRYL FRAGMENT CHALCONES

- OCH-26 Ahmed Jashari, Murtezan Ismaili, Agim Shabani, Emil Popovski
THE CHEMISTRY OF COUMARIN. SYNTHESIS OF NOVEL PRECURSORS FROM 4-HYDROXYCOUMARIN
- OCH-27 Mariana Kamenova, Georgi Dobrikov, Vladimir Dimitrov
CHIRAL FERROCENE DERIVATIVES – SYNTHESIS AND APPLICATION AS LIGANDS FOR ENANTIOSELECTIVE ADDITION OF DIETHYLZINC TO BENZALDEHYDE
- OCH-28 V. Krstić, N. Valentić*, G. Ušćumlić
SUBSTITUENT AND SOLVENT EFFECTS ON THE UV/VIS ABSORPTION SPECTRA OF *N*-(4-SUBSTITUTED PHENYL) SUCCINIMIDES
- OCH-29 Claudia Lar, Elena Bogdan, Ion Grosu
SYNTHESIS OF NEW CORONANDS WITH TERARYLIC UNITS
- OCH-30 Dušan Ž. Mijin, Slobodan D. Petrović
EFFECT OF MICROWAVE IRRADIATION ON BENZYLATION OF *N*-PHENYL-2-PHENYLACETAMIDE
- OCH-31 S. Minkovska, S. Rakovsky, T. Deligeorgiev, B. Jeliaskova
SYNTHESIS OF NEW PHOTOCROMIC SPIROINDOLINONAPHTHOXAZINES AND THEIR COMPLEXES WITH METAL IONS
- OCH-32 Vahid Mohammadi, Ghiass Arani
A COMPARISON BETWEEN SILICA-IMMOBILIZED LIGANDS AND THEIR POLYSILOXANE COUNTERPARTS
- OCH-33 Bianca-Elena Moldovan, Ioan Oprean
THE SUBSTITUENT EFFECT ON THE TRIPLE HYDROGEN REARRANGEMENT IN EI-MS OF PARA-SUBSTITUTED LONG CHAIN BENZOIC ACID ESTERS
- OCH-34 Gabriela Nemes, Luminita Silaghi-Dumitrescu, Ioan Silaghi-Dumitrescu, Jean Escudié, Henri Ranaivonjatovo, Julio Zuckerman-Schpector
SILATROPIC MIGRATION ABILITY OF -SiMe₃ AND -SiMe₂IND IN BIS(INDEN-1-YL)DIMETHYLSILANE DERIVATIVES
- OCH-35 Teodor Octavian Nicolescu, Mircea Iovu, Florica Nicolescu, Lucian Iscrulescu
MASS SPECTROMETRY AND ¹H-NMR ANALYSIS OF NEW BIS[N-PYRAZOLIL]XYLYLENES AND BIS[N-IMIDAZOLIL]XYLYLENES
- OCH-36 Vesna Nikolić, Ljubiša Nikolić, Mihajlo Stanković, Agnes Kapor, Mirjana Popsavin, Dragan Cvetković
MOLECULAR INCLUSION COMPLEX OF ATENOLOL WITH β-CYCLODEXTRIN AND 2-HYDROXYPROPYL-β-CYCLODEXTRIN
- OCH-37 J. B. Nikolić, M. B. Jovanović, G. S. Ušćumlić, Ivan O. Juranić
SOLVENT AND STRUCTURAL EFFECTS ON THE KINETIC OF THE REACTION OF 2-SUBSTITUTED CYCLOHEX-1-ENYL CARBOXYLIC AND 2-SUBSTITUTED BENZOIC ACIDS WITH DIAZODIPHENYLMETHANE
- OCH-38 Emilia Olteanu, Constantin Draghici, Angela Popescu, Crinu Ciuculescu, Mircea D. Banciu
FLOW-VACUUM PYROLYSIS OF 3-BENZYLIDENE-PHTHALIDE
- OCH-39 Krasimira Petkova, Kalina Kostova, Angel Chimov, Vladimir Dimitrov
FERROCENE ANALOGUE OF BETTI-BASE FOR ENANTIOSELECTIVE ADDITIONS OF DIETHYLZINC TO AROMATIC ALDEHYDES
- OCH-40 Zorica Petrović, Biljana Šmit
SELECTIVE REDUCTIONS OF SOME AROMATIC α,β-UNSATURATED CARBONYL COMPOUNDS CATALYZED BY VITAMIN B₁₂
- OCH-41 I. Philipova, Georgi Dobrikov, Kalina Kostova, S. Panev, M. Genov, Vladimir Dimitrov
CHIRAL LIGANDS PREPARED FROM (+)-CAMPHOR, (-)-FENCHONE AND (-)-MENTHONE FOR THE ENANTIOSELECTIVE ADDITION OF DIALKYLZINCS TO ALDEHYDES
- OCH-42 Nicolae Popovici, Traian-Nicolae Ursaleș, Nicolae Palibroda, Ioan Silaghi-Dumitrescu, Alina Saponar, Elisabeth-Jeanne Popovici
SYNTHESIS AND SPECTRAL CHARACTERIZATION OF NEW CALIX[4]PYROGALOLARENES
- OCH-43 Emil Popovski, Jane Bogdanov, Marija Raspaškowska
SYNTHESIS AND CHARACTERIZATION OF *N,N'*-DI(BENZAMIDOMETHYL)PHENYLACETIC HYDRAZIDE
- OCH-44 Flavia Pop, Anamaria Terec, Elena Bogdan, Ion Grosu
SYNTHESIS OF SOME NEW CAGE MOLECULES CONTAINING HETEROCYCLIC UNITS
- OCH-45 Matei Raicopol, Cristina Ott, Raluca Stan, Sânziana Rosca, Sorin I. Rosca
SOLID PHASE SYNTHESIS OF REGIOREGULARLY COMPLEXED DENDRIMERIC DIARYLMETHANES
- OCH-46 Doru Roiban, Carlos Cativiela, Rafael Navarro, Esteban P. Urriolabeitia, Ion Grosu
CYCLOPALLADATED 5(4*H*)-OXAZOLONES
- OCH-47 T. Rosu, V. Cârțu, Gh. Surpateanu
SYNTHESIS AND CHARACTERIZATION OF A SCHIFF BASE OF *p*-*tert*-BUTYLCALIX[6]ARENE AND ITS COMPLEX WITH Cu(II)

- OCH-48 Adina Rotar, Richard A. Varga, Cristian Silvestru
NEW HYPERVALENT ORGANOTIN(IV) DERIVATIVES CONTAINING [2-(Et₂NCH₂)C₆H₄] GROUPS. SYNTHESIS AND CHARACTERIZATION
- OCH-49 Marija Sakač, Andrea Gaković, Marina Zaviš, Evgenija Djurendić, Suzana Jovanović-Šanta, Janoš Čanadi, Katarina Penov-Gaši
SYNTHESIS OF SOME NEW POTENTIALLY BIOLOGICAL ACTIVE D-SECO-CYANO-5-ANDROSTENE DERIVATIVES
- OCH-50 Alina Saponar, Elisabeth-Jeanne Popovici, Ioan Silaghi-Dumitrescu, Nicolae Popovici
SYNTHESIS OF CALIX[6]ARENE DERIVATIVES SUBSTITUTED AT THE "NARROW-RIM"
- OCH-51 Albert Soran, Cristian Silvestru
SYNTHESIS AND CHARACTERISATION OF NEW METHYLARSONATE AND PHENYLPHOSPHONATE ORGANOBISMUTH(III) DERIVATES
- OCH-52 Bojana Špirović, Mira Bjelaković, Natalija Krstić, Svetislav Gojković, Milan Dabović, Lidija Bondarenko, Ljubinka Lorenc, Vladimir Pavlović
MICROWAVE-ASSISTED TRANSFORMATIONS OF SOME STEROIDAL MOLECULES
- OCH-53 Bojana Srečo, Vesna Kojić, Gordana Bogdanović, Mirjana Popsavin, Velimir Popsavin
SYNTHESIS AND ANTITUMOUR ACTIVITY OF NEW MURICATACIN AND GONIOFUFURONE ANALOGUES
- OCH-54 Stanimir P. Stankolov, Dobromir D. Enchev
INTERACTION OF PHENYLTELURIL CHLORIDES WITH 3-METHYL-1,2-ALKADIENEOPHOSPHONIC DIALKYL ESTERS
- OCH-55 Ivanka Stankova, Tatiana Dzimbova
SYNTHESIS AND BIOLOGICAL ACTIVITY OF AMINO ACID ESTER PRODRUGS OF ACYCLOVIR
- OCH-56 Miloš Svirčev, Vesna Kojić, Gordana Bogdanović, Mirjana Popsavin, Velimir Popsavin
SYNTHESIS AND ANTIPROLIFERATIVE ACTIVITY OF NOVEL TIAZOFURIN ANALOGUE WITH 2'-ACETAMIDO ISOSTERIC GROUP
- OCH-57 Hossein Tavakol, Saeedeh Zakery
MULTICOMPONENT ADDITIONS TO C=N DOUBLE BOND IN LITHIUM PERCHLORATE
- OCH-58 Mihaela Țițaș, Radu A. Gropeanu, Catherine Pilon, Mario Morin, Livain Breau, Raluca Turdean, Ion Grosu
SYNTHESIS, STEREOCHEMISTRY AND ADSORPTION STUDIES ON Au(III) OF NEW SPIRANES AND POLYSPIRANES CONTAINING 1,2-DITIOLANE UNITS
- OCH-59 Carmen Topala, Ion Iosub, Benedict Oprescu, Lavinia Tataru
FLUOROPHENYLCHOLESTERYL CARBAMATES IN AN ELECTRICAL FIELD
- OCH-60 Cornelia Uncuta, Emeric Bartha, Anca Tanase, Daniela Vuluga, Silvia Udrea, Andreea Corbu
THERMAL AND CATALYTICAL TRANSFORMATIONS OF 5-ISOXAZOLIDINOLS
- OCH-61 G. Uščumlić, D. Mijin, N. Valentić, B. Živanović
SUBSTITUENT AND SOLVENT EFFECTS ON THE UV/VIS ABSORPTION SPECTRA OF 5-(4-SUBSTITUTED ARYLAZO)-4-METHYL-6-PHENYL-3-CYANO-2-PYRIDONES
- OCH-62 A.M. Vălean, A. Hildebrand, P. Lönnecke, L. Silaghi-Dumitrescu, E. Hey-Hawkins
A NEW ARSANYLARYLTHIOLATO LIGAND. CRYSTAL AND MOLECULAR STRUCTURE OF [Mg{(1-AsPh₂-2-SC₆H₄)-κS}₂(THF)₄]
- OCH-63 N. Valentić, G. Uščumlić, V. Krstić
SOLVENT EFFECTS ON THE STRUCTURE-ACTIVITY RELATIONSHIP OF 5-(4-SUBSTITUTED PHENYL)-5-ALKYLHYDANTOINS
- OCH-64 Gordana Vasić, Verica V. Glodjović, Vesna M. Djinović, Srećko R. Trifunović
SYNTHESIS AND CHARACTERIZATION OF THE PLATINUM (IV) COMPLEX WITH (S,S)-ETHYLENEDIAMINE-*N,N'*-(4,4'-DIMETHYL)-2,2'-DI-PENTANOATE LIGAND
- OCH-65 Tatjana Ž. Verbić, Branko J. Drakulić, Ivan O. Juranić, Gordana V. Popović
BROMAZEPAM AND ITS ACID HYDROLYSIS PRODUCT. COMPARISON OF EXPERIMENTALLY DETERMINED p*K_a* VALUES AND MIF ENERGY MINIMA ASSESSED BY THE H₃O⁺ PROBE
- OCH-66 L. Viteva, Tz. Gospodova, J. Rashkova, I. Timtcheva, S. Simova, M.-R. Mazieres, J.-G. Wolf
SYNTHESIS AND PHOTOPHYSICAL PROPERTIES OF SOME RIGIDIZED HEPTA- AND NONAMETHINE MONO- AND BIS-MEROCYANINES
- OCH-67 Christina Zalaru, Adalgiza Ciobanu, Florica Zalaru, Florea Dumitrascu, Constantin Draghici, Laura Alionte, Marian Neata
NEW PYRAZOLES DERIVATIVES WITH POTENTIAL PHARMACOLOGICAL ACTIVITY.
- OCH-68 Zoran Zdravkovski
THEORETICAL STUDY OF THE DIELS-ALDER REACTIONS OF PERFLUOROBICYCLO[2.2.0]HEX-1(4)-ENE WITH AROMATIC DIENES

10. Physical Chemistry – PCH

- PCH-1 Liljana Andreeva, Biljana Minčeva-Šukarova
FT- IR SPECTRA OF PARTIALLY DEBENZENATED ANALOGUES IN SOME HOFMANN TYPE CLATHRATES
- PCH-2 M. Avramov Ivić, Slobodan Petrović, D. Mijin, P. Živković, I. Kosović, K. Drljević
ELECTROCHEMICAL OXIDATION OF AZITHROMYCIN AND HEMOMYCIN® AT GOLD ELECTRODE IN NEUTRAL ELECTROLYTE
- PCH-3 Jelena Bajat, Olivera Dedić
STUDY ON THE ADHESION OF DIFFERENT TYPES OF ORGANIC PRIMERS USED IN AUTOMOTIVE INDUSTRY
- PCH-4 Rodica Bandula, Marilena Vasilescu, Mariana Voicescu, Evelina Dinca, V. Raditoiu, Luminita Eugenia Wagner
SPECTROPHOTOMETRIC CHARACTERISTICS OF DIFFERENT PHTHALIC DERIVATIVES, PRECURSORS IN MIXED CONDENSED SYSTEMS WITH PHTHALOCYANINES SYNTHESIS
- PCH-5 G. Rezaei Behbahani
ENTHALPIES OF TRANSFER OF TETRABUTYLAMMONIUM BROMIDE FROM WATER TO AQUEOUS METHANOL, ETHANOL, PROPAN-1-OL AND 1,4-DIOXANE SYSTEMS AT 298 K- A COMPARISON BETWEEN THE OLD SOLVATION MODEL AND THE EXTENDED EQUATION
- PCH-6 Venera Brinzea, Domnina Razus, Maria Mitu, Dimitru Oancea
MAXIMUM RATE OF PRESSURE RISE AND DEFLAGRATION INDEX OF PROPANE-AIR EXPLOSIONS IN SPHERICAL AND CYLINDRICAL ENCLOSURES
- PCH-7 Michalis Chalaris, Jannis Samios
STATISTICAL MECHANICAL STUDIES VIA COMPUTER SIMULATION TECHNIQUES (MD-MC) TO RESEARCH MOLECULAR FLUIDS
- PCH-8 Dragica Čamovska, Martin Arsov, Toma Grčev
ELECTROCHEMICAL AND IMPEDANCE CHARACTERIZATION OF PASSIVE FILMS ON NIOBIUM IN ALKALINE AND ACIDIC SOLUTIONS
- PCH-9 Virginia Coman, Rodica Grecu, Paul Prodan, Mihaela Băciuț
FTIR SPECTROSCOPIC STUDIES ON DIFFERENT BONE MATRICES
- PCH-10 M. Deneva, S. Rakovsky, M. Anachkov
OZONATION OF ALKYLAMINES. KINETICS AND MECHANISM
- PCH-11 M. Deneva, M. Anachkov, S. Rakovsky
OZONOLYSIS OF POLYBUTADIENES WITH DIFFERENT MICROSTRUCTURE IN SOLUTION
- PCH-12 Evelina Dinca, Marilena Vasilescu, Mariana Voicescu, Rodica Bandula
EFFECTS OF SOLVENTS AND MEDIA ON THE SPECTROPHOTOMETRIC PROPERTIES OF ALPHA-TOCOPHEROL AND ALPHA TOCOPHEROL ACETATE
- PCH-13 Vera Divac, Marina Rvović, Biljana Petrović, Zorica M. Bugarčić
KINETICS AND MECHANISM OF THE REACTION OF PHENYLSELENYL HALOGENIDES AND SOME UNSATURATED ALCOHOLS
- PCH-14 Andreea Dragan, Vasile Magearu
CHARACTERIZATION OF PHTHALOCYANINE MONOLAYERS AT THE AIR-WATER INTERFACE
- PCH-15 N. Elezović, Lj. Vračar, B. M. Babić, N. Krstajić
UNDERPOTENTIAL DEPOSITION OF HYDROGEN AT HIGHLY DISPERSED Pt ON CARBON SUPPORT IN ACID SOLUTION
- PCH-16 Liviu Filotti, François Bozon-Verduraz, Paul Roșca
SUPPORTED CERIA CATALYSTS PREPARATION: A DRS (DIFFUSE REFLECTANCE SPECTROSCOPY) UV-VIS STUDY OF INTERMEDIATE SPECIES
- PCH-17 Lj. M. Gajić-Krstajić, T. Lj. Trišović, B. M. Babić, Lj. M. Vračar, N. V. Krstajić
ELECTROCHEMICAL PROPERTIES OF Ni/(Ni+MoO_x) ACTIVE CATHODES FOR HYDROGEN EVOLUTION IN ALKALINE SOLUTIONS
- PCH-18 V. Georgiev, S. Rakovsky, K. Stanulov
OZONATION OF SATURATED HYDROCARBONS. KINETICS AND MECHANISM
- PCH-19 A. Golubović, R. Gajić, I. Hinić, Zorana Dohčević-Mitrović, M. Šćepanović, S. Nikolić
PHONON ANOMALIES IN THE STOICHIOMETRIC LiNbO₃ AND CaWO₄ SINGLE CRYSTALS
- PCH-20 Ljubiša M. Ignjatović, Jiří Barek, Jiří Zima, Dragan A. Marković
ADSORPTIVE STRIPPING VOLTAMMETRIC DETERMINATION OF 1-PHENYL-3,3-DIMETHYLTRIAZENE
- PCH-21 Ljubiša M. Ignjatović, Jiří Barek, Jiří Zima, Dragan A. Marković
POLAROGRAPHIC BEHAVIOUR AND DETERMINATION OF 1-PHENYL-3,3-DIMETHYLTRIAZENE
- PCH-22 Claudia Ionescu, Mark. E. Smith, Cecilia Savii, Corina Enache, Mihaela Popovici, Ramona Radu, Eugenia Fagadar-Cosma
SOLID STATE NMR STUDY OF THE SOL-GEL FORMATION OF SILICA-POLYVINYL ALCOHOL HYBRIDS

- PCH-23 Mirjana Jankulovska, Ilinka Spirevska, Lidija Šoptrajanova
BEHAVIOUR OF SOME NEWLY SYNTHESIZED DERIVATIVES OF 1,2,4-TRIAZOLINE-3-THIONE IN PROTIC AND APROTIC SOLVENTS
- PCH-24 Jelena Jovanović, Borivoj Adnadjević
DRUG DELIVERY KINETICS FROM POLY(ACRYLIC-CO-METHACRYLIC ACID) HYDROGEL
- PCH-25 V. D. Jović, B. M. Jović
ADSORPTION OF CHLORIDE AND BROMIDE ANIONS ONTO Ag(111) AND Ag(100)
- PCH-26 B. M. Jović*, V. Maksimović, M. G. Pavlović, V. D. Jović
ELECTRODEPOSITION AND MORPHOLOGY OF Ni AND Co POWDERS
- PCH-27 Vančo Kocevski, Ljupčo Pejov
THEORETICAL STUDY OF DIPOLE-QUADRUPOLE VS. HYDROGEN BONDING INTERACTION IN GAS-PHASE PHENOL-CO DIMERS IN THE NEUTRAL GROUND ELECTRONIC STATE
- PCH-28 Šebojka Komorsky-Lovrić, Milivoj Lovrić
A FORM OF ADSORPTIVE PRE-WAVE IN A SAMPLED *dc* POLAROGRAPHY ON A STATIC MERCURY DROP ELECTRODE
- PCH-29 Zagorka Koneska, Ljubomir Arsov
ANODIC BEHAVIOR OF ZIRCONIUM IN ALKALINE SOLUTIONS
- PCH-30 Dumitra Lucan, Manuela Fulger, Gheorghita Jinescu
CORROSION OF THE CANDU STEAM GENERATOR TUBING IN THE PRESENCE OF IMPURITIES
- PCH-31 Snejana Magaeva, Boyan Boyanov, Georgi Patronov
ZINC SULPHIDE CONCENTRATES CHARACTERISTIC AND ENERGY TECHNOLOGICAL ANALYSIS OF THEIR ROASTING IN FLUID BED
- PCH-32 Irena Mickova, Abdurauf Prusi, Todor Anovski, Ljubomir Arsov
POTENTIODYNAMIC STUDIES OF NIOBIUM ELECTRODE IN KOH SOLUTIONS
- PCH-33 Lj. Mihajlović, R. Džudović, Lj. Jakšić, M. Vukašinović, V. Kaljević
NATURAL MONOCRYSTALLINE PYRITE AS ELECTRODE MATERIAL FOR POTENTIOMETRIC TITRATIONS OF WEAK ACIDS IN PYRIDINE
- PCH-34 Biljana Minčeva-Šukarova
PRELIMINARY SPECTROSCOPIC INVESTIGATIONS OF THE METEORITE *STRUGA*
- PCH-35 Valentin Mirčeski, Šebojka Komorsky-Lovrić, Milivoj Lovrić
STUDYING ELECTRODE MECHANISMS OF BENZOYLECGONINE AND AMPHETAMINE DRUGS
- PCH-36 Valentin Mirčeski, Milivoj Lovrić, Šebojka Komorsky-Lovrić
THEORETICAL STUDY OF THE COUPLED ELECTRON-ION TRANSFER REACTIONS RELEVANT TO THE CHARGE TRANSFER PROCESSES AT THE LIVING CELL MEMBRANES
- PCH-37 Valentin Munteanu, Octavian Miron Staicu, Domnina Razus, Dumitru Oancea
QUENCHING DISTANCES OF STOICHIOMETRIC ETHYLENE-AIR MIXTURE WITH CO₂ ADDITION
- PCH-38 Nicoleta-Gabriela Musat, Valentin Munteanu, Dumitru Oancea, Domnina Razus
CRITICAL IGNITION AND QUENCHING PARAMETERS OF N-BUTANE-AIR FLAMES
- PCH-39 Adina Magdalena Musuc, Jeanina Pandlele Cusu, Domnina Razus, Dumitru Oancea
HAZARDS ASSOCIATED WITH DECOMPOSITION OF SOME REAGENTS USED FOR DERIVATIZATION OF CARBONYL COMPOUNDS
- PCH-40 Panče Naumov, Gligor Jovanovski, Orhideja Grupče, Branko Kaitner, David A. Rae, Weng Seik Ng
IMPERFECTION COMPENSATED BY DISORDER: MODULATIONS IN THE STRUCTURE OF SODIUM SACCHARINATE 1.875 HYDRATE WITH UNIT CELL OF 15.6 nm³
- PCH-41 Panče Naumov, Kenji Sakurai, Yuji Ohashi
PHOTOINDUCED INTRAMOLECULAR NITRO-ASSISTED PROTON TRANSFER IN CRYSTALLINE 2-NITROBENZYLPIRIDINES
- PCH-42 Panče Naumov, Kenji Sakurai
REVERSIBLE THERMAL GATING OF PHOTOREACTION KINETICS BY COOPERATIVE MOLECULAR TWISTS IN A SINGLE CRYSTAL
- PCH-43 N. D. Nikolić, K. I. Popov, Lj. J. Pavlović, M. G. Pavlović
THE EFFECT OF CONCENTRATION OF COPPER(II) IONS ONTO THE FORMATION OF DISPERSE COPPER DEPOSITS
- PCH-44 Goran Nikolić, Milorad Cakić, Žarko Mitić, Ljubomir Ilić
SYNTHESIS AND SPECTROSCOPIC CHARACTERIZATION OF ZINC(II) COMPLEXES WITH DEXTRAN DERIVATIVES
- PCH-45 Musaj Paçarizi*, Merita Shehdula, Mustafë Bacaj, Ismet Hashani, Albana Mehmeti
COMPLEXATION OF LEAD ION (II) WITH NITRILOTREACETIC ACID AND CYCLOHEXYLDINITRILOTETRA ACETIC ACID IN A BUFFER CITRATE SOLUTION
- PCH-46 Musaj Paçarizi*, Merita Shehdula, Selim Jusufi, Azem Lajçi, Albana Mehmeti
POLAROGRAPHIC INVESTIGATION OF COMPLEXATION OF LEAD IONS WITH NTA AND EDTA IN AQUEOUS TARTRATES BUFFER SOLUTION

- PCH-47 Vladimir Panić, S. Milonjić, V. B. Mišković-Stanković, B. Nikolić*
STABILITY OF $Ti_{0.6}Ru_{0.4-x}Ir_xO_2$ COATINGS ON TITANIUM IN SEA WATER ELECTROLYSIS
- PCH-48 Perica Paunović, Orce Popovski, Petar Iliev, Veneta Nikolova
CATALYTIC ACTIVITY OF NON-PLATINUM COMPOSITE ELECTRODES FOR HYDROGEN EVOLUTION REACTION IN PEM ELECTROCHEMICAL CELLS
- PCH-49 Perica Paunović, Orce Popovski, Aleksandar Dimitrov, Zoran Tasev, Dragan Slavkov, Milan Tasev, Svetomir Hadži Jordanov
INFLUENCE OF ANEALING TEMPERATURE ON TiO_2 STRUCTURE AND CATALYTIC ACTIVITY OF $Me-TiO_2$ HYPO-HYPER *D*-CATALYSTS FOR HYDROGEN EVOLUTION REACTION (HER)
- PCH-50 M. G. Pavlović, V. M. Maksimović, Lj. J. Pavlović, M. V. Tomić, K. I. Popov
CHARACTERIZATION OF POWDER PARTICLE MORFOLOGY
- PCH-51 Lj. J. Pavlović, M. G. Pavlović, N. D. Nikolić, M. V. Tomić, V. M. Maksimović, K. I. Popov
MORPHOLOGY OF COPPER POWDER PARTICLES OBTAINED IN ELECTRODEPOSITION BY CONSTANT AND REVERSING CURRENTS
- PCH-52 Jelena M. Pješčić, Ivana V. Bošković, Miljan G. Pješčić
INVESTIGATION OF OXIDATION OF HALOGENIDE IONS ON THE COMPOSITE LAYER PbO_2-TiO_2 ELECTROCHEMICAL FORMED ON TITANIUM SURFACE
- PCH-53 Fetah I. Podvorica, Catherine Combellas, Jean Pinson, Salih Gashi, Bashkim Thaçi, Teuta Selimi
CHEMICAL GRAFTING OF IRON SURFACES BY REDUCTION OF ARYLDIAZONIUM SALTS IN ACIDIC AND NEUTRAL WATER. APPLICATION FOR THE INHIBITION OF IRON CORROSION
- PCH-54 D. Popova, S. Rakovsky, M. Belitsky, G. Zaikov
4-HYDROXYMETHYLFURFURAL OZONATION
- PCH-55 A. Popova, M. Machkova, A. Djambova, A. Zwetanova, S. Raicheva
RELATIONSHIP BETWEEN MOLECULAR STRUCTURE PARAMETERS AND INHIBITOR EFFICIENCY OF SOME BENZIMIDAZOLE DERIVATIVES
- PCH-56 D. Popova, S. Rakovsky, M. Anachkov
TRANS-1,2-CYCLOHEXANEDIOL OZONATION
- PCH-57 Elisabeth-Jeanne Popovici, Florica Imre-Lucaci, Crina Dan, Petre Mărginean
STUDIES ON SOME DECOMPOSITION CATALYSTS BASED ON MANGANESE OXIDE
- PCH-58 Orce Popovski, Perica Paunović, Aleksandar Dimitrov, Dragan Slavkov, Svetomir Hadži Jordanov
MORPHOLOGICAL EFFECTS OF PERIODICALLY CHANGING OVERPOTENTIAL ON THE SILVER ELECTROREFINING
- PCH-59 François Quentel, Valentin Mirčeski, Maurice L'Her, Catherine Elleouet
COMPARATIVE STUDY OF ANIONS TRANSFER KINETICS FROM WATER TO ORGANIC SOLVENTS BY MEANS OF THIN-FILM SQUARE-WAVE VOLTAMMETRY
- PCH-60 Ivona R. Radović, Mirjana Lj. Kijevčanin, Slobodan P. Šerbanović, Aleksandar Ž. Tasić, Bojan D. Djordjević
VOLUMETRIC PROPERTIES OF THE ALKANOL + CYCLOHEXYLAMINE BINARY SYSTEMS: EXPERIMENTAL DATA AND CORRELATION BY CUBIC EQUATION OF STATE
- PCH-61 Domnina Razus, Maria Mitu, Venera Brinzea, Dimitru Oancea
FLAMMABILITY CHARACTERISTICS OF LPG-AIR MIXTURES IN A CLOSED SPHERICAL VESSEL
- PCH-62 Jovana Rosić, Tanja Soldatović, Biljana Petrović, Živadin D. Bugarčić
KINETICS AND MECHANISM OF THE SUBSTITUTION REACTIONS BETWEEN MONOFUNCTIONAL Pt(II) COMPLEXES AND SOME SULFUR AND NITROGEN DONOR BIOMOLECULES
- PCH-63 C. Sârbu
MOLECULAR MODELING OF BILE ACIDS AND THEIR DERIVATIVES BY MULTIVARIATE REGRESSION METHODS
- PCH-64 Dragiša Savić, Nataša Joković
DISCRIMINATION OF LACTOBACILLI USING FTIR SPECTROSCOPY
- PCH-65 Jelena D. Smiljanić, Mirjana Lj. Kijevčanin, Bojan D. Djordjević, Slobodan P. Šerbanović
VOLUMETRIC PROPERTIES OF THE TERNARY MIXTURE 1-BUTANOL + CHLOROFORM + BENZENE AT (288.15, 293.15, 298.15, 303.15, 308.15, 313.15) K
- PCH-66 Maria-Loredana Soran, Maria Curtui, Diana Gherman
DI(*n*-BUTYL)- AND DI(*iso*-BUTYL)DITHIOPHOSPHORIC ACIDS-COMPLEXING AGENTS IN TLC SEPARATION OF U(VI), Th(IV) AND OTHER TRANSITION METAL IONS
- PCH-67 S. P. Sovilj, K. Babić-Samardžija, Vladislava M. Jovanović
EFFECT OF HETEROCYCLIC *S,S'*-LIGANDS ON ELECTROCHEMICAL PROPERTIES OF SOME COBALT(III) COMPLEXES IN ACID
- PCH-68 Filip Spasovski, Marta Gaćina, Valentin Mirčeski
ELECTROCHEMICAL STUDY OF ION TRANSFER KINETICS ACROSS CHOLESTEROL MEMBRANE SUPPORTED AT THE LIQUID|LIQUID INTERFACE

- PCH-69 Z. Stanić, R. Mihajlović, B. Vukanović, I. Pantić
NATURAL MONOCRYSTALLINE PYRITE, CHALCOPYRITE AND GALENA AS ELECTROCHEMICAL SENSORS FOR POTENTIOMETRIC REDOX TITRATIONS IN ACETONITRILE
- PCH-70 D. Stanojević, M. Rajković, D. Tošković, M. Tomić
PITTING CORROSION OF STAINLESS STEELS IN LEACHING SOLUTION FROM HYDROMETALLURGICAL ZINC PRODUCTION
- PCH-71 Milovan Stojilković, Mirjana Pavlović, Miroslav Kuzmanović, Jelena Savović
MONOCHROMATIC DIGITAL IMAGING TECHNIQUE FOR STUDY OF SPATIAL EMISSION DISTRIBUTION OF SPECTRAL LINES IN DC ARC PLASMA WITH AEROSOL SUPPLY SUBJECTED TO OSCILLATING MAGNETIC FIELD
- PCH-72 Filip Svonson, Viktor Stefov, Ljupčo Pejov
CALCULATION OF ANHARMONICITY CONSTANTS AND OTHER PARAMETERS CHARACTERIZING THE VIBRATIONAL POTENTIAL OF WATER MOLECULES IN CRYSTALLINE HYDRATES ON THE BASIS OF IR SPECTROSCOPIC DATA
- PCH-73 Sanja Terzić, Vladislava M. Jovanović, Oliver Terzić, Jugoslav Krstić
NEW CARBON SUBSTRATE FOR SUPPORTED PLATINUM CATALYSTS
- PCH-74 B. F. Vasheghani, F. H. Rajabi, M. H. Ahmadi
INVESTIGATION OF HYDROPHOBIC INTERACTION AND TEMPERATURE ON THERMODYNAMIC PARAMETERS OF SOME INTERPOLYMER COMPLEXES
- PCH-75 F. B. Vasheghani, F. H. Rajabi, M. H. Ahmadi
SELECTIVE INTERMACROMOLECULAR COMPLEX FORMATION IN RELATION TO THEIR STRUCTURE AND COMPOSITION
- PCH-76 Marilena Vasilescu, Rodica Bandula, Florea Dumitrascu, H. Lemmetyinen
SPECTROSCOPIC PROPERTIES OF THE FLUORESCENT PYRIDYLINDOLIZINE DERIVATIVES IN SOLID STATE
- PCH-77 J. Vučina, D. Lukić, S. Milonjić, M. Stojilković
CONCENTRATION OF RHENIUM
- PCH-78 D. Vuksanović, P. Živković, Dragan Radonjić
INVESTIGATION OF IMPACTS MAGNESIUM HAS ON CORROSION BEHAVIOR OF ALUMINIUM ALLOYS
- PCH-79 R. M. Zejnilović, Ž. K. Jaćimović, N. Z. Blagojević, Vukadin M. Leovac
CHARACTERIZATION OF (H₂L)₂[Hg(SCN)₄] COMPLEX BY CYCLIC VOLTAMMETRY METHOD

11. Polymers – POM

- POM-1 Mir Mohammad Alavi Nikje, Moslem Haghshenas
EPOXIDATION OF NON CONJUGATED DIENE POLYMERS BY USING IN-SITU GENERATED DIMETHYL DIOXIRANE
- POM-2 Liubomir Angelov
UTILIZATION OF COBALT – MANGANESE CATALYSTS DISCHARGED FROM THE SYNTHETIC FIBRES PRODUCTION II. OXALATE PROCEDURE
- POM-3 Jadranka Blaževska-Gilev, Dijana Spaseska
KINETICS AND MECHANISMS OF THERMAL DEGRADATION OF PVC/PVAc COPOLYMER
- POM-4 Jadranka Blaževska-Gilev, Dijana Spaseska
MATHEMATICAL DESIGN OF PVC/PVAc COPOLYMER THERMAL DEGRADATION
- POM-5 Jadranka Blaževska-Gilev, Dijana Spaseska
RECYCLING OF POLY(VINYL CHLORIDE) IN ORGANIC SOLVENTS
- POM-6 Aleksandra Bužarovska, Gordana Bogoeva-Gaceva, Maurizio Avella, Gennaro Gentile, Maria E. Errico, Anita Grozdanov
POLYLACTIC ACID: CRYSTALLIZATION PECULIARITIES IN PRESENCE OF DIFFERENT REINFORCEMENTS
- POM-7 Suzana M. Cakić, Goran S. Nikolić
THERMOOXIDATIVE STABILITY OF WATERBORNE OF POLYURETHANES USING CATALYSTS OF DIFFERENT SELECTIVITY
- POM-8 Paula Cucos, Mirela Pascu, Roberta Sessoli, Narcis Avarvari, Fabrice Pointillart, Marius Andruh
A NOVEL CHIRAL HETEROTRIMETALLIC COORDINATION POLYMER WITH HELICAL STRUCTURE
- POM-9 Bojan Dimzoski, Tomica Milosavljević, Anita Grozdanov, Gordana Bogoeva-Gaceva
SUITABILITY OF TWO CLASSES POLYETHYLENE GRANULATE FOR PRODUCTION OF PRESSURE PIPES
- POM-10 Dragan Djordjević, Miodrag Smelcerović, Suzana Cakić
POLYESTER FABRIC BIOPROCESS USING ULTRASONIC ENERGY

- POM-11 Khalil Faghihi, Zohreh Mozaffari
SYNTHESIS AND CHARACTERIZATION OF NOVEL THERMALLY STABLE POLYAMIDES BASED ON PYRIDYL MOIETIES
- POM-12 Gordana Bogoeva-Gaceva, Aleksandra Bužarovska, Maurizio Avella, Maria E. Errico, Gennaro Gentile, Anita Grozdanov
BIODEGRADABLE THERMOPLASTICS AS MATRICES FOR NATURAL FIBER COMPOSITES
- POM-13 Gordana Bogoeva-Gaceva, Anita Grozdanov, Aleksandra Bužarovska
NONISOTHERMAL CRYSTALLIZATION OF MALEIC ANHYDRIDE GRAFTED IPP: COMPARISON OF DIFFERENT KINETIC MODELS
- POM-14 V. Genadiev, I. Iliev, D. Ivanova
OBTAINING AND PROPERTIES OF POLYURETHANE COATINGS ON THE BASE PHENOXY-RESIN
- POM-15 Anita Grozdanov, Gordana Bogoeva-Gaceva, Aleksandra Bužarovska, Maurizio Avella, Gennaro Gentile, Aleksandar Dekanski
THERMAL STABILITY OF DIFFERENTLY TREATED NATURAL FIBER REINFORCEMENTS FOR COMPOSITES
- POM-16 Yoanna Hristova, Peter Djambazki, Biserka Samuneva, Svetla Bogdanova, I. M. Miranda Salvado, Aiyng Wu
SILICADIOXIDE-POLYVINILPYROLIDON HYBRIDS AS CARRIERS OF MODEL DRUG SYSTEMS
- POM-17 Milcho Ivanov, Tania Bojurina, Ivailo Traikov
THE INFLUENCE INVESTIGATION OF DIFFERENT SILANES ON THE PROPERTIES OF SiO_2 -FILLED ELASTOMER BLENDS
- POM-18 Vitan B. Konsulov, Zoya S. Grozeva
EFFECTS OF MOLECULAR STRUCTURE OF N-(DICHLOROPHENYL)MALEIMIDES IN THEIR COPOLYMERIZATION WITH VINYL ACETATE
- POM-19 V. B. Konsulov, A. A. Lyapova, G. P. Petrov
SYNTHESIS AND MODIFICATION OF ALTERNATING COPOLYMER POLY(ACRYLIC ACID-ALT-MALEIC ANHYDRIDE)
- POM-20 Petrunka Malinova, Nicolay Dishovsky
CALCINED AND CALCINED-SILANIZED KAOLINS AS FILLERS FOR RUBBER COMPOSITES AND SOME THEIR APPLICATION
- POM-21 F. Manda, I. Jitaru
ORGANOTITANATES-ADHESION POLYMERS IN PAINT INDUSTRY
- POM-22 Bijana Mangovska, Igor Jordanov, Venco Filipov, D. Hristov
PROPERTIES OF GARMENTS BEFORE AND AFTER DIFFERENT WAYS OF FINISHING TREATMENTS
- POM-23
PREPARATION AND MODIFICATION OF ITACONIC ANHYDRIDE-METHYL METHACRYLATE COPOLYMERS
- POM-24 Ljubiša Nikolić, Dragan Jovanović, Vesna Nikolić, Agnes Kapor
GRAFT COPOLYMERIZATION OF ACRYLATE AND METHACRYLATE MONOMERS ON POLY(VINYL CHLORIDE) IN EMULSION
- POM-25 Livia Popa, Aurelia Meghea, Maria Giurginca, Patroi Delia
BEHAVIOR AT THERMOOXIDATIVE DESTRUCTION OF ETHYLENE VINYL ACETATE COPOLYMERS (EVA) – AMORPHOUS POLY- α -OLEFINS (APAO) BLENDS
- POM-26 A. Popa, Nicoleta Pleșu, V. Sasca, E. E. Kiš, Radmila Marinković-Nedučin
POLYANILINE DOPED WITH HETEROPOLYACIDS AS ORGANIC-INORGANIC HYBRID MATERIALS: TEXTURAL AND STRUCTURAL PROPERTIES
- POM-27 Slobodan Prendžov, Bojan Dimzoski, Magdalena Prendžova, Jaroslava Budinski-Simendić
THE INFLUENCE OF RATIO TOLUENEDIISOCYANATE/WATER ON THE PROPERTIES OF POLYURETHANE FOAMS SYNTHESIZED IN A PRESENCE OF BLOWING AGENT
- POM-28 Il. Radulov, Nicolay Dishovski
INVESTIGATION OF PROPERTIES OF COMPOSITES BASED ON BUTADIENEACRYLONITRILE RUBBER AND POLY(VINYLCHLORIDE)
- POM-29 Luljeta Raka, Gordana Bogoeva-Gaceva
THERMAL CHARACTERISTICS OF SEVERAL TYPES OF IPP: DIFFERENTIAL SCANNING CALORIMETRY AND POLARIZING OPTICAL MICROSCOPY
- POM-30 Cecilia Savii, Laszlo Almasy, Claudia Ionescu, Noemi Kinga Szekely, Eugenia Fagadar-Cosma, Corina Enache, Ramona Radu
TEOS SOL TO GEL TRANSITION PROCESS MONITORED BY SANS TECHNIQUE. INFLUENCE OF CHEMICAL ADDITIVE THF
- POM-31 Hristina Spasevska, Ivan Schopov, Aleksandar Andonovski
AGGREGATION PHENOMENA OF HARY ROD POLYMERS CONTAINING 1,3,4-OXADIAZOLE RINGS IN REPEATING UNITS

- POM–32 Nicoleta Doriana Stanciu, Gabriela Vasiliu, Ana Maria Albu, Dumitru Mircea Vuluga, Claudiu Daniel Utoiu, Marieta Plaveti
MODIFICATION OF CELLULOSE TYPE FIBBERS: II. LAURIL ACRYLATE-MALEIC ANHYDRIDE-CELLULOSE MODEL SYSTEM
- POM–33 Maya Staneva, Philip Ublekov, Emanuel Nedkov, Anita Grozdanov, Aleksandra Bužarovska, Gordana Bogoeva-Gaceva, Maurizio Avella, Gennaro Gentile
MELTING KINETICS OF NEAT PHBV AND COMPOSITES PHBV/KENAF
- POM–34 Yu. Stetsyshyn, N. Nosova, V. Samaryk, S. Varvarenko, S. Voronov
FORMATION OF HEPARIN SALT POLY(2-HYDROXYETHYLMETHACRYLATE)-CO-METHACRYLOYL-N-(2-AMONYETHYL)AMIDE LAYER GRAFTED TO PEROXIDATED POLYPROPYLENE SURFACE AND ITS PROPERTIES
- POM–35 Claudiu Daniel Utoiu, Sorina Otobicu, Ana Maria Albu, Dumitru Mircea Vuluga, Nicoleta Doriana Stanciu, Zina Vuluga, Constantin Radovici, Marieta Plaveti
“IN SITU” RADICAL POLYMERIZATION OF ISOPROPYL METHYL ETHER-MALEIC ANHYDRIDE SYSTEM ON NATURAL LAYERED SILICATE
- POM–36 Zina Vuluga, Mircea Teodorescu, Dumitru Mircea Vuluga, Constantin Radovici, Sever Serban
EFFECTS OF QUATERNISED STYRENE-*p*-CLORMETHYL-STYRENE STATISTIC COPOLYMERS ON THE MORPHOLOGY AND THERMAL PROPERTIES OF POLYSTYRENE/ ORGANOSILICATE NANOCOMPOSITES
- POM–37 Dumitru Mircea Vuluga, Ana Maria Albu, Nicoleta Doriana Stanciu, Claudiu Daniel Utoiu, Thierry Hamaide
MODIFICATION OF CELLULOSE TYPE FIBBERS: I. PRELIMINARY “IN SITU” POLYMERISATIONS