

The Regional Committee
of the Hungarian Academy
of Sciences at Szeged

13-15. October 2010.
Szeged



ISIRR 2010

11th

International

Symposium

Interdisciplinary

Regional

Research

HUNGARY – ROMANIA – SERBIA

International Organizing and Scientific Committee

Prof. Dr. Imre Dékány

President of the Regional Committee of the Hungarian Academy of Sciences at Szeged, Department of Colloid Chemistry, University of Szeged, HUNGARY

Prof. Dr. Mária Homoki-Nagy

Scientific Secretary of the Regional Committee of the Hungarian Academy of Sciences at Szeged, Graduate Schools of the University of Szeged, HUNGARY

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„Banat” University of Agricultural Sciences and Veterinary Medicine Timisoara, ROMANIA

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Head of General Association of the Romanian Engineers (AGIR) – branch of Hunedoara, ROMANIA

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Condensed Matter Research Department, National R&D Institute for Electrochemistry and Condensed Matter, ROMANIA

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Faculty of Engineering – Hunedoara, University Politehnica Timisoara, ROMANIA

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of the Hungarian Academy of Sciences at Szeged**

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THE REGIONAL COMMITTEE OF THE
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Schedule of Events

1st DAY, Wednesday, 13rd October, 2010

- 16.00 – 18.00** Welcoming of guests and registration of participants – in the Hall of the Regional Committee of the Hungarian Academy of Sciences at Szeged (SZAB)
- 19.00 –** Dinner – in the Regional Committee of the Hungarian Academy of Sciences at Szeged (SZAB)

2nd DAY, Thursday, 14th October, 2010

- 08.00 – 10.00** Registration – in the Hall of The Regional Committee of the Hungarian Academy of Sciences at Szeged (SZAB)
- 10.00 – 10.20** Opening Ceremony – room 103-104
- 10.20 – 11.00** Plenary Lectures:
1. REDUCING THE NUMBER OF ABORTIONS – POSSIBILITIES AND SOLUTIONS – SITUATION IN SERBIA
Prof. Dr. Aleksandra Kapamadzija
 2. PHYTOREMEDIATION AND FOOD CHAIN SAFETY
Prof. Dr. László Erdei
- 11.00 – 13.00** Presentations and posters by sections.
- 13.00 – 14.00** Lunch
- 14.00 – 16.00** Presentations and posters by sections.
- 16.00 – 16.20** Coffee break
- 16.20 – 18.00** Posters by sections
- 19.00 –** Festive dinner

3rd DAY, Friday, 15th October, 2010

- 9:00 –** Discussion of the International and Hungarian organizing committee about the further cooperation, – in the Meeting room
- 12:00 –** Lunch

Symposium topics

Section A.	<i>(Agriculture)</i>	page 05
Section B.	<i>(Biology)</i>	page 06
Section C.	<i>(Chemistry)</i>	page 10
Section E.	<i>(Environmental)</i>	page 14
Section M.	<i>(Medical)</i>	page 16
Section M-RHS.	<i>(Medical Reproductive Health Section)</i>	page 17
Section S.	<i>(Sociology)</i>	page 20
Section T.	<i>(Engineering)</i>	page 21
&		
Informative meeting		

Section A. (Agriculture)

Moderators:
Prof. H.C. Dr. eng. Gallia Butnaru
Dr. Lajos Bóna

Oral Presentations (11:00-13:30)

Romania:

- **EFFECTS OF SOWING TIME ON STEM RUST INFECTIONS IN HUNGARIAN AND ROMANIAN WINTER WHEAT CULTIVARS UNDER ARTIFICIAL INFECTION CONDITION**

Gallia Butnaru, László Purnhauser, Ioan Sarac, Mária Csősz

Hungary:

- **TRITICALE IS A SUITABLE CROP FOR ENVIROMENTAL SOUND, LOW INPUT AGRICULTURE**

L. Bona, A. Palágyi, L. Purnhauser

- **CHANGES OF THE WATER QUALITY IN THE SZARVAS-KÁKAFOK DEADARM**

Gábor Csizmarik, Ferenc Ligetvári, Csaba Juhász, Zsuzsanna I. Rác

India, South Africa, Hungary:

- **FUSARIUM KERATITIS IN SOUTH INDIA: A RETROSPECTIVE STUDY IN THE ARAVIND EYE HOSPITAL, COIMBATORE.**

Palanisamy Manikandan, Hester Vismer, László Galgóczy,
Subramaniam, Shobana, Kanesan Panneerselvam, Venkatapathy Narendran,
Csaba Vágvolgyi, László Kredics

Poster Presentations (14:00-16:00)

Romania:

SA-1.

- TEST RESULTS TO EVALUATE DETONABILITY OF CHEMICAL FERTILIZERS WITH A HIGH NITROGEN CONTENT CARRIED OUT BY INCD – INSEMEX ROMANIA**

Stefan Ilici, Attila Kovacs, Daniela Rus

Serbia:

SA-2.

- EFFECT OF DIFFERENT WINEMAKING TECHNOLOGIES ON THE RESVERATROL CONTENT OF WINE**

Mira Bursać, Milica Atanacković, Jelena Cvejić, Ljiljana Gojković-Bukarica,
Aleksandar Petrović, Slobodan Jović

SA-3.

- EFFECTIVE DOSE ESTIMATIONS AND RISK ASSESSMENT DUE TO 40K IN SOIL**

Ljubica Župunski, Vesna Spasić-Jokić, Vojin Gordanić, Mirjana Trobok

Hungary:

SA-4.

- INFLUENTIAL FACTORS OF COSTUMERS' DECISIONS**

Árpád Ferencz, Márta Nótári, Péter Lévai

SA-5.

**EFFECT OF THE STORAGE CONDITIONS
ON THE COLOUR CHARACTERISTICS OF PAPRIKA POWDERS**

Zsuzsanna H. Horváth

SA-6.

ECONOMICAL QUESTIONS OF IRRIGATION IN FIELD CROPS

Péter Karácsonyi

SA-7.

**SIMPLE CALCULATION METHOD FOR DETERMINATION
OF NUTRIENT DOSE OF THE CROP PLANTS**

István Kocsis, László Pásztor, Gábor Csizmarik, Péter Simándi

SA-8.

HOST RESPONSE TO CANDIDA PARAPSILOSIS INFECTION

Csaba Papp, Tibor Mihály Németh, Adél Tóth, Csaba Vágvolgyi, Zsuzsanna Hamari, Attila Gácsér

SA-9.

**UPTAKING OF MACRO-NUTRIENTS
IN CUCUMBER HYDROPONIC PRODUCTION**

Zsuzsanna I. Rácz, Péter Simándi, István Kocsis, Gábor Csizmarik

SA-10.

**COMPARISON OF MATERIAL TRANSFORMATION PROCESSES
IN COMPOSTS PREPARED BY DIFFERENT METHODS**

Péter Simándi, Zsuzsanna I. Rácz, István Kocsis, Gábor Csizmarik

Section B. (Biology)

Moderators:
Prof. Dr. László Erdei
Prof. Dr. Csaba Vágvolgyi

Oral Presentations (11:00-13:00)

Serbia:

■ **CHANGES IN NUTRITIVE QUALITY OF PLUMS OSMODEHYDRATED
IN SUGAR BEET MOLASSES**

Gordana Koprivica, Nevena Misljenovic, Ljubinko Levic,
Tatjana Kuljanin, Lidija Jevric

■ **IMPROVING OF THE FUNCTIONAL PROPERTIES OF CUCURBITIN,
PUMPKIN SEED GLOBULINE, BY ENZYMATIC MODIFICATION**

Ljiljana Popović, Draginja Peričin, Žužana Vaštag, Senka Popović

■ **ENZYMATIC HYDROLYSIS OF PUMPKIN, RAPESEED AND SOY PROTEIN
ISOLATES; A COMPARISON OF ANALYTICAL METHODS
TO DETERMINE THE DEGREE OF HYDROLYSIS**

Žužana Vastag, Draginja Peričin, Senka Popović, Ljiljana Popović

Hungary:

■ **PEROXIDASE ACTIVITIES AND EXPRESSION LEVEL DURING OSMOTIC-
STRESS IN ROOTS OF WHEAT GENOTYPES DIFFERING IN DROUGHT
TOLERANCE**

Jolán Csiszár, Ágnes Gallé, Edit Horváth, Piroska Dancsó, Magdolna Gombos,
Dániel Benyó, Zsuzsanna Kolbert, Mária Szécsényi, János Györgyey, Irma
Tari, László Erdei

■ **IDENTIFICATION OF THE BIOSYNTHETIC PATHWAY OF PGE2 IN CANDIDA PARAPSILOSIS OLE2 DELETION MUTANTS**

Zsuzsanna Grózer, Zsuzsanna Hamari, Renáta Tóth, Csaba Vágvolgyi, Attila Gácsér

14:00-16:00

■ **CANDIDA PARAPSILOSIS SECRETED ASPARTYL PROTEASES AS VIRULENCE FACTORS IN HOST-PATHOGEN INTERACTIONS**

Péter Ferenc Horváth, Zsuzsanna Hamari, Tibor Németh, Csaba Vágvolgyi, Attila Gácsér

■ **INTERACTIONS OF NANOPARTICLES AND LIVING ORGANISMS: TOXIC AND OTHER EFFECTS**

András Papp, Gábor Oszlánczi, Szabolcs Takács, Zsuzsanna Máté, Andrea Szabó,

■ **SEMISYNTHESIS OF MEMBRANE - ASSOCIATED PROTEINS**

Balázs Schäfer, Mariann Majer, Ervin Welker, Csaba Tömböly

■ **OXIDATIVE STRESS RESPONSES OF SALICYLIC ACID PRE-TREATED TOMATO PLANTS DURING SALT STRESS**

Ágnes Szepesi, Jolán Csiszár, Katalin Gémes, Gábor Orosz, Péter Poór, Zoltán Takács, Irma Tari

■ **IMPROVEMENT OF SALT STRESS ACCLIMATION OF TOMATO BY SALICYLIC ACID: THE ROLE OF OSMOTIC ADAPTATION**

I Tari, P. Poór, K. Gémes, Á. Szepesi, D. Szopkó, LM. Simon, J. Csiszár

■ **CONNECTION BETWEEN SULFUR METABOLISM AND HYN HYDROGENASE IN THIOCAPSA ROSEOPERSICINA**

Roland Tengölics, Tünde Csata, Edit Győri, Livia Mészáros, Kornél L. Kovács, Gábor Rákhely

Poster Presentations (continuously)

Romania:

SB-1.

PHYSICO-CHEMICAL CHARACTERISATION AND IN VITRO INVESTIGATION OF SOME 4,4'-DIAMINO BENZANILIDE AZO DERIVATIVES

Georgeta-Maria Simu, Maria Elena Grad, Germaine Savoiu-Balint, Mihaiela Andoni

Serbia:

SB-2.

A THERMODYNAMIC STUDY CONCERNING THE ADSORPTION ON A CELLULOSIC SUBSTRATE OF A NEW AZOCOMPOUND CONTAINING 4,4'-DIAMINO BENZANILIDE MOIETY

Georgeta-Maria Simu, Simona Funar-Timofei, Gianina Bals

SB-3.

GENETIC DIVERSITY OF AMBROSIA ARTEMISIIFOLIA (L.) IN SERBIA

Natasa Kocis Tubic, Dragana Obreht, Mihajla Djan, Pal Boza

SB-4.

CORRELATIONS BETWEEN STRUCTURE AND ANTIFUNGAL ACTIVITY OF SOME BENZOXAZOLE DERIVATIVES

Sanja Podunavac-Kuzmanović

Hungary, Spain:

SB-5.

**TRICHODERMA GREEN MOULD OF CULTIVATED PLEUROTUS OSTREATUS
IN HUNGARY AND SPAIN**

L. Hatvani, P. Urbán, L. Garcia Jimenez, F.J. Gea, A. Nagy, Cs. Vágvölgyi, L. Kredics.

Hungary, Mongolia:

SB-6.

**ANTIMICROBIAL ACTION OF ESSENTIAL OILS
AGAINST FOOD-RELATED MOULDS**

Judit Krisch, Gergő Horváth, Csaba Vágvölgyi, Renstkenhand Tserennadmid,
Dugarsuren Tserendulam

Hungary, Germany:

SB-7.

**PHYLOGENETIC STUDIES ON THE FILAMENTOUS FUNGAL
GENUS MORTIERELLA**

Tamás Petkovits, Ildikó Nyilasi, László G. Nagy, Stella A. Kovács,
Kerstin Hoffmann, Kerstin Voigt, Tamás Papp, Csaba Vágvölgyi

Hungary:

SB-8.

**IN VITRO SUSCEPTIBILITY OF SOME HUMAN PATHOGENIC BACTERIA
TO PURIFIED COMPONENTS OF AN ANTIBIOTIC COMPLEX**

S. Kocsubé, I. Nyilasi, O. Bencsik, T. Papp, M. Pesti, Cs. Vágvölgyi

SB-9.

**METABOLIC CONNECTIONS OF HOX1 HYDROGENASE IN
THIOCAPSA ROSEOPERSICINA BBS**

Tünde Csata, Lívia Mészáros, Rita Béres, Roland Tengölics,
Kornél L. Kovács, Gábor Rákhely

SB-10.

**IDENTIFICATION AND CHARACTERIZATION OF THE FLAVOCYTOCHROME
C SULFIDE OXIDASE IN A PURPLE SULFUR PHOTOSYNTHETIC BACTERIUM**

Ágnes Duzs, András Tóth, Kornél L. Kovács, Gábor Rákhely

SB-11.

**DEVELOPMENT OF NEW METHODS FOR DETECTION
OF WINE SPOILAGE YEASTS**

Zoltán Farkas, János Márki-Zay, Ildikó Lantos, Ágnes Lakner, Csaba Vágvölgyi,
Judit Kucsera, Ilona Pfeiffer

SB-12.

**IN VITRO INTERACTION BETWEEN PHENOTHIAZINES
AND AMPHOTERICIN B AGAINST DIFFERENT CANDIDA SPECIES**

László Galgóczy, Andrea Bácsi, Mónika Homa, Máté Virágh,
Tamás Papp, Csaba Vágvölgyi

SB-13.

**CHARACTERISATION OF FUNCTION AND REGULATION OF GLUTATHIONE
TRANSFERASES IN WHEAT SPECIES EXPOSED TO PEG
INDUCED OSMOTIC STRESS**

Ágnes Gallé, Jolán Csizsár, Dániel Benyó, Mária Secenji, László Erdei,
János Györgyey, Irma Tari

SB-14.

ABSCISIC ALDEHYDE OXIDASE ACTIVITY AND GENE EXPRESSION LEVELS IN SALICYLIC ACID PRE-TREATMENT AND SUBSEQUENT NaCl STRESS

Edit Horváth, Ágnes Gallé, Zsolt Váry, Ágnes Szepesi, Jolán Csiszár, Irma Tari

SB-15.

IDENTIFICATION OF THAUMATIN-LIKE PROTEIN ENCODING GENES IN RHIZOMUCOR ISOLATES

Laura Kovács, Zsófia Pusztai, Mónika Homa, Máté Virágh, László Galgóczy and Csaba Vágvolgyi

SB-16.

SUSCEPTIBILITY OF THE HUMAN PATHOGENIC BIPOLARIS SPECIES TO VARIOUS ANTIFUNGAL AGENTS

Krisztina Krizsán, Alexandra Lengyel, Hajnalka Fürtön, Ildikó Nyilasi, Tamás Papp, Csaba Vágvolgyi

SB-17.

PARAQUAT: NEW SIDE OF AN OLD COIN

Gabor Laskay

SB-18.

CATALASE GENES OF THE OPPORTUNISTIC PATHOGEN ZYGOMYCETES, RHIZOPUS ORYZAE

Beáta Linka, Tamás Papp, László G. Nagy, Csaba Vágvolgyi

SB-19.

ALTERATIONS IN THE CENTRAL NERVOUS SYSTEM CAUSED BY INTRATRACHEAL INSTILLATION OF MN, IN ASPECTS OF NEUROPHYSIOLOGY AND MOLECULAR BIOLOGY

Zs. Máté, A. Szabó, E. Hermes, Zs. Jancsó, I. Boros

SB-20.

CHARACTERIZATION OF HMG-COA REDUCTASE GENES IN MUCOR CIRCINELLOIDES

Gábor Nagy, Árpád Csernetics, Gergely Imre, Csaba Vágvolgyi, Tamás Papp

SB-21.

ALUMINIUM ACTIVATES THE CHLOROPLASTIC GLUTAMINE SYNTHETASE IN WHEAT

Z. Nagy, D. Aleksza, A. Pécsváradi

SB-22.

COMPARISON OF THE PRIMYCIN PRODUCTION OF SOME BACTERIAL MUTANT STRAINS UNDER DIFFERENT CULTIVATION PARAMETERS.

Ildikó Nyilasi, Sándor Kocsubé¹, Angéla Besze, Anna Jova, Tamás Papp, Miklós Pesti, Csaba Vágvolgyi

SB-23.

METAL CONTENT AND NITRIC OXIDE (NO) PRODUCTION IN THE ROOTS OF HEAVY METAL-TREATED PEA PLANTS

Andrea Pető, Nóra Lehotai, László Erdei, Zsuzsanna Kolbert

SB-24.

IN VITRO SUSCEPTIBILITY OF CANDIDA PARAPSILOSIS, C. METAPSILOSIS AND C. ORTHOPSILOSIS TO STATINS

Judit Szenzenstein, Zoltán Farkas, János Márki-Zay, Judit Kucsra, Csaba Vágvolgyi, Attila Gácsér, Ilona Pfeiffer

SB-25.

THE INFLUENCE OF COPPER EXCESS ON EARLY DEVELOPMENT, LIPID PEROXIDATION AND ANTIOXIDATIVE SYSTEM IN GERMINATING INDIAN MUSTARD (BRASSICA JUNCEA L.) SEEDS

Réka Szóllósi, Erika Kálmán, Ilona Sz. Varga, Anna Medvegy, Andrea Pető, László Erdei

SB-26.

BEHAVIORAL AND ELECTROPHYSIOLOGICAL EFFECTS OF ORAL MANGANESE EXPOSURE RECORDED IN RATS WITH CHRONICALLY IMPLANTED CORTICAL ELECTRODES

Szabolcs Takács, Zsuzsanna Máté, Edina Horváth, András Papp,

SB-27.

SYNTHESIS OF OLIGOSACCHARIDES BY A RHIZOMUCOR MIEHEI BETA-GLUCOSIDASE

Adél Tóth, Miklós Takó, Ottó Bencsik, Judit Krisch, Csaba Vágvolgyi and Tamás Papp

SB-28.

IDENTIFICATION OF THE BIOSYNTHETIC PATHWAY OF PGE2 IN CANDIDA PARAPSILOSIS OLE2 DELETION MUTANTS

Zsuzsanna Grózer, Zsuzsanna Hamari, Renáta Tóth, Csaba Vágvolgyi, Attila Gácsér

SB-29.

IN VITRO INTERACTION BETWEEN STATINS AND ANTIFUNGAL AGENTS AGAINST MEDICALLY IMPORTANT FUNGI

Csaba Vágvolgyi, Ildikó Nyilasi, Gyöngyi Lukács, László Galgóczy, Tamás Papp

SB-30.

QUORUM SENSING INHIBITION BY PHENOTHIAZINES AND ESSENTIAL OILS

Zoltán G. Varga, M. Szabó, Zs. Schelz, E. Szegedi, J. Molnár

SB-31.

NITRIC OXIDE MODULATES GUARD CELL PHOTOSYNTHESIS

Ferenc Horvath, Attila Ördög, Tamás, Rózsavölgyi, Barnabás Wodala

Section C. (Chemistry)

Moderators:
Prof. Dr. Teréz Nyári
Prof. Dr. Ferenc Gaál
Prof. Dr. András Erdőhelyi

Oral Presentations (11:00-13:00)

Romania:

- **DOCKING EXPERIMENT USING PLS DISCRIMINANT ANALYSIS. GLYCOGEN SYNTHASE KINASE 3 (GSK3) INDIRUBIN INHIBITORS APPLICATION.**
Luminita Crisan, Liliana Pacureanu, L. Kurunczi
- **THE ADVANTAGES OF THE SOL GEL DERIVED NANOSTRUCTURED MATERIALS TEXTURAL PROPERTIES IN BIOLOGICAL AND BIOMEDICAL APPLICATIONS**
Zoltan Dudas, Catalin Ianas, Cristian Danielescu, Corina Enache, Cecilia Savii
- **OPTICAL, MORPHOLOGICAL, TOPOLOGICAL AND ECOTOXICOLOGICAL PROPERTIES OF NEW NANOMATERIALS BASED ON PORPHYRINS**
Eugenia Fagadar-Cosma, Daniela Bratosin, Nicolae Hurdud, Corina Enache

Serbia:

■ **DETERMINATION OF FILTER NOZZLE PERFORMANCE CURVE USING COLUMN**

Siniša Bikić, Maša Bukurov

■ **PROJECT ENER-SUPPLY IN VOJVODINA REGION**

Siniša Bikić, Maša Bukurov

Hungary, Romania:

■ **MAGNETIC FLUIDS FOR BIOMEDICAL APPLICATION**

Etelka Tombácz, Angéla Hajdú, Ildikó Tóth, Erzsébet Illés, Ladislau Vékás

Poster Presentations (continuously)

Romania:

SC-1.

THE INFLUENCE OF PH ON THE PHASE PURITY OF TERNARY SEMICONDUCTOR ZNIN2S4 PREPARED BY A HYDROTHERMAL METHOD

Radu Banica, Terezia Nyari

SC-2.

TRICALCIUM PHOSPHATE SYNTHESIS AND CRYSTALLIZATION BEHAVIOR STUDY BY HIGH-TEMPERATURE X-RAY DIFFRACTION

R. Bucur, A. Bucur, M. Miclau, I. Grozescu

SC-3.

LEAD-FREE PIEZOELECTRIC CERAMICS

Raul Bucur, Alexandra Bucur, Irina Nicoara

SC-4.

ZNO HYDROTHERMAL CRYSTALS GROWTH

Raul Bucur, Ioan Grozescu, Alexandra Bucur, Paula Sfarloaga, Mihaela Vasile

SC-5.

ADSORPTION OF TRACE METALS BY XAD-7 IMPREGNATED RESINS WITH DI-(2-ETHYLHEXYL)-PHOSPHORIC ACID (DEHPA)

Mihaela Ciopec, Adina Negrea, Corneliu-Mircea Davidescu, Petru Negrea, Adriana Popa, Cornelia Muntean

SC-6.

STUDY IN THE CIELAB UNIFORM COLOUR SPACE OF SOME NEW SYMMETRICAL AZO-STILBENE DYES.

Maria Elena Grad, Georgeta Maria Simu, Simona Gabriela Muntean, Oana Paşka

SC-7.

TAILORED STAR-SHAPE BIODEGRADABLE POLY(LACTIC ACID)

Gheorghe Ilia, Smaranda Iliescu, Adriana Popa, Nicoleta Plesu, Lavinia Macarie,

SC-8.

GREEN SYNTHESIS OF NON-FLAMMABLE POLYPHOSPHOESTERS ELECTROLYTES

Smaranda Iliescu, Adriana Popa, Nicoleta Plesu, Lavinia Macarie, Gheorghe Ilia

SC-9.

STUDY OF POLYVINYL ACETATE FILMS TRANSFORMATION BY IR REFLECTANCE SPECTROSCOPY

Simion Jitian

SC-10.

STUDIES ON ADSORPTION IN COLUMN OF AS(III) FROM WATER ON IRON CONTAINING MATERIALS

Adina Negrea, Lavinia Lupa, Cornelia Muntean, Mihaela Ciopec,
Petru Negrea, Roxana Istratie

SC-11.

HYDROTHERMAL SYNTHESIS AND CHARACTERIZATION OF CDXZN1-XIN2S4 COMPOUND SEMICONDUCTORS

Radu Banica, Alexandra Ioana Bucur, Paula Sfirloaga, Terezia Nyari

SC-12.

PREPARATION AND TERMOGRAVIMETRIC CHARACTERIZATIONS OF POLY (AMINOPHOSPHONATES) /SILICA HYBRID MATERIALS

Popa Adriana, Parvulescu Viorica, Ramona Ene, Gheorghe Ilia, Smaranda Iliescu, Nicoleta Plesu, Lavinia Macarie

SC-13.

EDUCATIONAL SOFTWARE USED IN CHEMISTRY FOR DETERMINING CHEMICAL COMPOSITION /MOLECULAR WEIGHT CHEMICALS

Sorina Șerban

Serbia:

SC-14.

ANTIOXIDATIVE COMPONENTS IN SUPERCRITICAL CARBON DIOXIDE EXTRACT OF THYME (THYMUS VULGARIS L.)

Nada Babović

SC-15.

EFFECT OF 7-OXODEOXYCHOLIC AND TRIOXOCHOLIC ACIDS ON VERAPAMIL IN BIOPHYSICO-CHEMICAL MODEL EXPERIMENTS

János Csanádi, Mihály Pósa, Valéria Guzsvány

SC-16.

VOLTAMMETRIC DETERMINATION OF SOME NEONICOTINOID INSECTICIDES AND TRACE METALS BY BISMUTH FILM ELECTRODES

Valéria Guzsvány

SC-17.

¹H NMR STUDY OF STABILITY AND PHOTOCATALYTIC DEGRADATION OF ACETAMIPRID, THIAMETHOXAM, IMIDACLOPRID AND THIACTOPRID NEONICOTINOID INSECTICIDES

Valéria Guzsvány, Ljiljana Rajić, Zsigmond Papp, János Csanádi

SC-18.

SYNTHESIS AND STRUCTURE OF CO(II) AND NI(II) COMPLEXES WITH BIS(PHTHALAZINE-1-HYDRAZONE)-2,6-DIACETYLPIRIDINE DIHYDROCHLORIDE

József Magyarai, Vladimir Divjaković, Vukadin Leovac,
Katalin Mészáros Szécsényi, Berta Holló

SC-19.

CURE KINETICS OF ALKYD/HEXAMETHOXYMETHYLMELAMINE RESIN STUDIED BY ISOCONVERSIONAL METHODS

Mirjana Jovičić, Radmila Radičević, Jelena Pavličević, Oskar Bera

SC-20.

ADSORPTION EFFICIENCY OF LOW-COST MATERIALS IN THE REMOVAL OF ZN(II) IONS FROM PRINTING DEVELOPER

Jelena Kiurski, Savka Adamovic, Jelena Krstic, Ivana Oros,
Mirjana Vojinovic Miloradov

SC-21.

RETENTION COEFFICIENT (RP HPLC) AS A MEASURE OF HYDROPHOBICITY OF SELECTED BILE ACID KETO DERIVATIVES

Ana Pilipović, Mihalj Poša, Mladena Lalić, Jovan Popović

SC-22.

THE INFLUENCE OF POLYMERIZATION METHODS ON THE PROPERTIES OF POLY(LACTIDE)

Ivan S. Ristic, Ljubisa Nikolic, Vesna Simendic, Suzana Cakic, Ljiljana Tanasic,
Nevena Vukic, Jaroslava Budinski-Simendic

SC-23.

HARDWARE AND SOFTWARE OF A SYSTEM FOR ELECTROCHEMICAL AND BIOELECTROCHEMICAL INVESTIGATIONS

Zoran Stević, Mirjana Rajčić-Vujasinović, Dubravka Nikolovski, Dejan Antić

SC-24.

BIODIESEL YIELD IN TRANSESTERIFICATION OF SUNFLOWER OIL OVER SOLID CAO CATALYST

Dj. Vujcic, D. Comic, A. Zarubica, R. Micic, G. Boskovic

Serbia, Greece:

SC-25.

ZNFE2O4 NANOPARTICLES SYNTHESIZED BY A COPRECIPITATION METHOD

Marija Milanović, Ljubica M. Nikolić, Evagelia G. Moshopoulou, Vladimir V. Srdić

Serbia, Hungary:

SC-26.

BENEFICIAL TEXTURAL PROPERTIES OF C-NANOTUBES IN THE COURSE OF THEIR PURIFICATION

Sanja Ratkovic, Erne Kiss, Goran Boskovic, Olga Geszti

Hungary:

SC-27.

PHOTODEGRADATION OF ORGANIC POLLUTANTS ON GOLD FUNCTIONALIZED TiO₂ SURFACES USING VISIBLE LIGHT

T. Rica, Á. Veres, I. Dékány

SC-28.

EFFECT OF SILVER-MODIFYING ON TiO₂ FOR PHOTOCATALYTIC DEGRADATION OF THIODIGLYCOL ON PHOTOCATALYST/POLYMER COMPOSITE FILMS

Á. Veres, T. Rica, L. Janovák, D. Sebők, I. Dékány

Section E. (Environmental)

Moderators:
Assoc. Prof. Dr. Maja Turk-Sekulic
Prof. Dr. Cecilia Hodúr
Assoc. Prof. Dr. Imre Kiss

Oral Presentations (14:00-16:00)

Romania:

- **A KINETIC STUDY OF THE REMOVAL OF DIRECT DYES FROM WASTEWATERS**
Simona Gabriela Muntean, Oana Paska, Maria Grad
- **NATURAL WOOD FIBERS, LOW-COST ADSORBENTS FOR REMOVAL OF COLOURED POLLUTANTS FROM AQUEOUS SOLUTIONS**
Oana Paska, Simona Gabriela Muntean, Georgeta Maria Simu, Milica Mihali, Mihaela Petric
- **QUALITATIVE AND QUANTITATIVE ANALYSIS OF UNDERGROUND WATERS WITH THE ION-CHROMATOGRAPHY AND ATOMIC EMISSION SPECTROMETRY WITH INDUCTIVE COUPLED PLASMA, AND THEIR EFFECTS OVER THE QUALITY OF SURFACE WATERS**
Maria Prodan, Andrei Szöllösi-Moța, Irina Nălboc, Lorand Toth
- **DESIGN OF A WASTE WATER CLEANING EQUIPMENT ON THE HYPOBARIC FLOTATION PRINCIPLE**
Lorand Toth, Angelica Draghici, Marius Kovacs, Maria Prodan, Andrei Szollosi-Moța

Hungary, Serbia:

- **REVERSE OSMOSIS CONCENTRATION OF MEAT INDUSTRY WASTEWATER PRIOR TO ANAEROBIC DIGESTION**
Sándor Beszédes, Gábor Szabó, Dragana Soronja Simovic, Cecilia Hodúr
- **BIOGAS FROM WASTEWATER SLUDGE**
Cecilia Hodúr, Dragana Soronja Simovic, Sándor Beszédes, Zsuzsanna László

Poster Presentations (14:00-16:00)

Romania:

- SE-1.
IS THE BIOFUELS INDUSTRY AN IMPORTANT SOURCE FOR FEED?
O. Colibar, D. Popovici, G. Korodi, S. Colibar, T. Mot
- SE-2.
COMPARISON OF PREHYDROLYSED COAGULANTS USED IN WATER TREATMENT FOR DRINKING PURPOSE
A. Păcală, I. Vlaicu, A. Corui, B. Rosu, M. Anghel, G. Tieregan, D. Landi, A. Anghelina, C. Radovan
- SE-3.
INDUSTRIAL POLLUTION AND CONTROL MEASURES IN ROMANIAN FOUNDRIES
Victoria Petroesc, Roland Iosif Moraru

Serbia:

- SE-4.
ASSESSMENT OF WATER POLLUTION IN THE TAMIŠ RIVER
Nada Babović

SE-5.

**NOISE POLLUTION AS A CONSEQUENCE
OF PEAK HOUR TRAFFIC DEMAND**

Valentina Basarić, Milica Miličić

SE-6.

**EXTERNAL COSTS OF AUTOMOBILE USE: ACCIDENT,
ENVIRONMENTAL AND CONGESTION COSTS IN NOVI SAD**

Valentina Basarić, Milica Miličić

SE-7.

**HEAVY ELEMENT DISTRIBUTION IN ROADSIDE SURFACE SOIL,
PLANT AND MUSHROOM**

Biljana Škrbić, Snežana Milovac, Miroslav Zorić, Svetlana Čupić,
Dušan Stošić, Milan Matavulj

SE-8.

**HAZARDOUS AIR POLLUTANTS (HAPS)
IN PRINTING FACILITY IN NOVI SAD**

Maja Djogo, Jelena Kiurski, Dragan Adamović, Mirjana Vojinović Miloradov,
Jelena Radonić, Maja Turk-Sekulić

SE-9.

**DETERMINATION OF POLLUTANT PARAMETERS
IN LANDFILL LEACHATE WATER OF VOJVODINA REGION**

Maja Djogo, Aleksandar Dvornić, Mirjana Vojinović-Miloradov,
Jelena Radonić, Goran Vujić

SE-10.

SEPARATION OF OILY WATER BY FIBER BED COALESCER

Dragan D. Govedarica, Radmila M. Šećerov Sokolović,
Slobodan M. Sokolović, Dunja S. Sokolović

SE-11.

**COMPUTER ANALYSIS OF THE TEMPERATURE PHENOMENA
DURING TURNING**

Pavel Kovac, Branislav Serdar, Savkovic Borislav

SE-12.

**IDENTIFICATION OF WATER QUALITY AND DISTRIBUTION OF POLLU-
TANTS IN THE RIVER DANUBE ON A CITY LEVEL BY MFA METHOD**

Srdjan Kovacevic

SE-13.

**AN OVERVIEW OF NOISE LEVELS IN PRINTING COMPANIES IN NOVI
SAD, SERBIA**

J. Kiurski, A. Mihailovic, S. Grujic, J. Krstic, I. Radin Oros

SE-14.

**STRUCTURAL ANALYSES OF SALSOLA SODA L. (CHENOPODIACEAE)
POPULATIONS FROM INLAND AND MARITIME SALINEAREA**

Dubravka Milić, Jadranka Luković, Lana Zorić, Ljiljana Mrkulov, Pal Boža

SE-15.

**POSSIBILITIES OF USING BIOGAS FROM LANDFILL AND BREWERY
AS AN RENEWABLE ENERGY SOURCE**

Zorica Mirosavljevic, Svjetlana Jokanovic

SE-16.

CONSERVATION STRATEGY FOR PROTECTED AND STRICTLY PROTECTED HOVERFLIES SPECIES (INSECTA: DIPTERA: SYRPHIDAE) IN SERBIA

Snezana Radenkovic, Ante Vujic, Smiljka Simic, Zorica Nedeljkovic

SE-17.

USING PASSIVE AIR SAMPLERS FOR THE SCREENING OF PERSISTING INFLUENCE OF THE "ALLIED FORCE" OPERATION ON THE ATMOSPHERIC CONTAMINATION OF THE WEST BALKAN REGION

Maja Turk-Sekulic, Jelena Radonic, Mirjana Vojinovic Miloradov

SE-18.

LEGISLATIVE AND REGULATORY APPROACHES FOR E-WASTE RECYCLING

Bogdan Sovilj, Pavel Kovač, Sandra Sovilj-Nikić,
Tatjana Savković, Ivan Sovilj-Nikić

Hungary:

SE-19.

COMPARISON OF VIBRATION AND NON VIBRATION MEMBRANE PROCESSES DURING DAIRY WASTEWATER TREATMENT

Szabolcs Kertész, Zsuzsanna László, Petra Veszelszki Kovács Róbertné,
Cecilia Hodúr, Gábor Szabó

Section M. (Medical)

*Moderators:
Prof. Dr. Aranka László
Prof. Dr. Zoltán Rakonczay*

Oral Presentations (14:00-18:00)

Romania:

- **ATHEROSCLEROTIC DISEASE AND GENDER – ARE THERE PARTICULARITIES?**
Rodica Avram
- **FEM ANALYSES OF STRENGTH EVALUATION FOR COMPLETE DENTURES MADE BY "ECLIPSE RESIN SYSTEM"**
Cristina Maria Bortun, Anghel Cernescu, Nicolae Faur, Otilia Bolos
- **INTERDISCIPLINARY COLLABORATION FOR EXCELLENCE IN THE ORTHODONTIC TREATMENT OF ADULT PATIENTS**
Alexandru Ogodescu, Ștefan Stratul, Emilia Ogodescu, Antonie Sergiu, Darian Rusu, Șerban Talpoș, Meda Negrutiu, Cristina Bortun
- **BUT WHAT ABOUT THE BIG BAD WOLF?**
Andreea Șerban

Serbia:

- **INTERDISCIPLINARY APPROACH TO THE ANALYSIS OF THE HEALTH SYSTEM IN SERBIA**
Veselin Dickov, Aleksandra Dickov, Sladjana Martinović-Mitrović, Boris Kuzman
- **EXPLOITATION INDICATORS OF OVERHEAD LINE AGING**
S. J. Gušavac, M. D. Nimrihter, S. D. Đukić

■ **PATHOLOGY OF FOXES IN VOJVODINA PROVINCE, SERBIA, BEFORE ORAL RABIES VACCINATION.**

D. Lalosevic, V. Lalosevic, S. Prasovic, M. Sinkovic, Z. Ristic, V. Simin, A. Galfi, I. Capo

■ **MIXED MICELLES OF 7, 12-DIOXOLITHOCHOLIC ACID AND SELECTED HYDROPHOBIC BILE ACIDS: INTERACTION PARAMETER, PARTITION COEFFICIENT AND HAEMOLYTIC POTENTIAL**

Mihalj Poša, Vesna Tepavčević, Sanja Treskić

Hungary, USA:

■ **MOLECULAR GENETIC ASPECTS FOR WISCOTT-ALDRICH SYNDROME**

Aranka László, Brian Smart, Eموke Endreffy, Ágnes Várkonyi, Attila Kovács, Ágnes Janovszky, Emese Horváth, János Szabó, Hans D. Ochs, Sándor Túri

■ **NEONATAL SCREENING FOR BIOTINIDASE IN HUNGARY: CLINICAL, BIOCHEMICAL AND MOLECULAR STUDIES**

A. László, Á. Schuler, É. Sallay, E. Endreffy, Cs. Somogyi, Á. Várkonyi, Z. Havass, K. P. Jansen, B. Wolf

Hungary:

■ **COMPARATIVE STUDIES ON SOME KYNURENIC ACID ANALOGUES**

Imola Plangar, Hermina Robotka, Karoly Nagy, Bernadett Tuka, Ferenc Fülöp, Laszlo Vecsei, Jozsef Toldi

■ **ANTITUMOR ACTIVITY OF SUBSTITUTED STEROIDS ON DRUG RESISTANT OVARY CANCER AND MOUSE LYMPHOMA CELLS**

Juliana Serly, Iren Vincze, Laszlo Hodoniczki, Csaba Somlai, Jozsef Molnar

■ **HOW TO LEAD DELIVERIES AFTER ENDOSCOPIC MYOMECTOMIES**

Béla G. Molnár, Zsolt Kormányos, Virág Márton

Section M-RHS. (Medical Reproductive Health Section)

*Moderators:
Prof. Dr. György Bártfai*

Oral Presentations (11:00-13:00)

Romania:

■ **FETAL DISTRESS RELATED TO THE ABNORMAL FETO-PLACENTAR BLOOD FLOW**

Elena Bernad, M. Craina, D. Anastasiu, C. Brisan, V. Albuлесcu, I. Munteanu

Serbia:

■ **ULTRASOUND DIAGNOSTICS OF POSTOPERATIVE COMPLICATIONS AFTER CAESARIAN SECTION**

Tihomir R. Vejnović

Hungary:

■ **EMAS – INVESTIGATING THE AGEING OF MALES**

Imre Földesi, George Bártfai

■ **FUTURE PERSPECTIVES IN HRT**

Zoltán Pál

Hungary, Romania, Serbia:

■ **THE KNOWLEDGE AND ATTITUDE OF YOUNG FEMALE UNIVERSITY STUDENTS ABOUT CONTRACEPTION**

M. Szűcs, Párducz, A. Szöllősi, G. Furau, A. Kapamadzija,
I. Blidaru, K. Sedlecky, G. Bártfai

Poster Presentations Section M. (Medical) (continuously)

Romania:

SM-1.

ASSESSMENT METHODS OF DIFFERENT LASER WELDED DENTAL ALLOYS

Lavinia Ardelean, Lucien Reclaru, Cristina Bortun, Laura Rusu

SM-2.

FRACTURE STRENGTH OF ECLIPSE RESIN SYSTEM

Otilia Bolos, Cristina Bortun, Anghel Cernesu, Nicolae Faur, Adrian Bolos

SM-3.

MALIGNANCIES AND VENOUS THROMBOEMBOLISM

Tudor Ciocarlie

SM-4.

BONE MINERAL DENSITY IN DOGS AFTER REMOVAL OF RIGID PLATES

C. Igna, D. Onet, C. Luca, M. Miclaus, Larisa Schuszler,
M. Sabau, Roxana Dascalu

SM-5.

EVALUATION OF BONE DEFECT HEALING, USING BONE SUBSTITUTES: B-TRICALCIUM PHOSPHATE AND COLLAGEN MATRIX LOADED WITH PERIOSTEAL DERIVED CELLS

C. Luca, C. Igna, Roxana Dascalu, Larisa Schuszler, M. Sabau, Simona Anghel

SM-6.

VENOUS THROMBOEMBOLISM AND ELECTROCARDIOGRAM PARTICULARITIES

Bálint Mihai

SM-7.

CONSUMERS ATTITUDE REGARDING THE CHOICE OF A HEALTHY DIET

Ionel Popescu-Mitroi, Maria-Monica Popescu-Mitroi

SM-8.

CONSEQUENCES OF POTASSIUM DICHROMATE "IN UTERO" EXPOSURE ON SPERM QUALITY BIOMARKERS AT SEXUAL MATURITY IN RATS

Jelena Rankov, Alexandra Trif

SM-9.

ASSESSMENT OF LIDOCAIN COLLAGEN GELS AND MATRICES USED IN DENTISTRY

Laura Rusu

SM-10.

A CLINICAL STUDY OF "KETOFOL" (KETAMINE-PROPOFOL MIXTURE) FOR ORTHOPEDIC PROCEDURE IN DOG

Larisa Schuszler, C. Igna, C. Luca, A. Sala, M. Sabau, Roxana Dascalu

SM-11.

IMPACT OF POTASSIUM DICHROMATE ON SERIC LH AND TESTOSTERONE LEVEL IN "IN UTERO" EXPOSED MALE RATS AT SEXUAL MATURITY

Alexandra Trif, Jelena Rankov, Simona Steliac

Romania, Germany:

SM-12.

**PROTHROMBOTIC MUTATIONS IN HEMOPHILIA:
IS IT REALLY A RARE CONDITION IN THE PATHOLOGY?**

Margit Serban, Bruno Neuner, Hortensia Ionita, Emilia Ursu,
Laura Pop, Urlike Nowak Gottl

Serbia:

SM-13.

EXPLOITATION INDICATORS OF OVERHEAD LINE AGING

S. J. Gušavac, M. D. Nimrihter, S. D. Đukić

SM-14.

**INFLUENCE OF BILE ACIDS ON THE ADSORPTION OF LIDOCAINE
AND VERAPAMIL IN AN IN VITRO EXPERIMENT**

Slavko Kevrešan, Mihalj Poša, Ksenija Kuhajda

SM-15.

**DETERMINATION AND IMPORTANCE OF TEMPERATURE DEPENDENCE OF
RETENTION COEFFICIENT (RPHPLC) IN QSAR MODEL OF NITRAZEPAMS'
PARTITION COEFFICIENT IN BILE ACID MICELLES**

Ksenija Kuhajda, Ana Pilipović, Mihalj Poša

SM-16.

**QSPR STUDY OF THE EFFECT OF STEROID NUCLEUS WITH OH AND OXO
SUBSTITUENTS ON CRITICAL MICELLAR CONCENTRATIONS
OF BILE ACIDS FROM LINEAR CONGENERIC GROUPS**

Mihály Pósa

SM-17.

**CHOLESTEROL SOLUBILIZATION BY OXO DERIVATIVES
OF SELECTED BILE ACIDS**

Zita Farkas, Mihály Pósa, János Csanádi, Ferenc Gaál

Hungary:

SM-18.

**MOLECULAR DIAGNOSIS IN PATIENTS WITH ACHONDROPLASIA
AND HYPOCHONDROPLASIA**

Emőke Endreffy

SM-19.

**MYASTHENIA GRAVIS: ESTABLISHING A POPULATION BASED EPIDEMIO-
LOGICAL STUDY OF PATIENTS TREATED AT SZEGED UNIVERSITY CLINIC**

Györgyi Földházi, Livia Dézsi, Ferenc Somogyvári, Hajnalka Virág Kiss, László Vécsei

SM-20.

**CURRENT TREATMENT APPROACHES OF MYASTHENIA GRAVIS
AT SZEGED UNIVERSITY CLINIC**

Livia Dézsi, Hajnalka Virág Kiss, Györgyi Földházi, Edina Varga, László Vécsei

SM-21.

**SHOULD THERE BE A REGULAR UTERINE CAVITY
FOR A SUCCESSFUL PREGNANCY – MINIMAL INVASIVE SURGERY?**

Zsolt Kormányos, Béla G. Molnár, Virág Márton

SM-22.

EXAMINATION OF MICROVASCULAR FUNCTION IN LEAN, OVERWEIGHT AND OBESE HYPERTENSIVE ADOLESCENTS

Péter Monostori, Ákos Baráth, Ildikó Fazekas, Eszter Hódi, Adrienn Máté, Ildikó Farkas, Zsuzsanna Hracskó, Ilona S. Varga, Viktória Sümegi, Balázs Gellén, Csaba Bereczki, Sándor Túri

SM-23.

ACUTE DISTRIBUTION OF MAGNETIC FLUIDS STABILIZED BY DIFFERENT WAYS STUDIED IN RATS

G. Oszlanczi, A. Hajdú, A. Szabó, S. Berczi, B. Szalay, E. Tombácz

SM-24.

EXAMINATION OF THE BIOCHEMICAL AND GENETICAL PARAMETERS OF OXIDATIVE STRESS IN CHILDHOOD ASTHMA

Zsuzsanna Ökrös, Emőke Endreffy, Zoltán Novák, Péter Monostori, Ilona S. Varga, Zoltán Maróti, Sándor Túri,

SM-25.

STATE OF MEDICAL LABORATORY IN HUNGARY 2009

Ildikó V. Horváth

Section S. (Sociology)

Moderators:
Assoc. Prof. Dr. Imre Pászka

Oral Presentations (14:00-16:00)

Romania:

- **RAJ MATRIARCHS** (Reghina Dascăl)
- **THE DYNAMICS OF SPACE AND GENDER IN CRIME FICTION**
(Dana Percec)

Serbia:

- **NEW APPROACH IN TRAFFIC ACCIDENT FREQUENCY ANALYSIS ON MAIN ROADS OF REPUBLIC OF SERBIA** (Svetlana Bašić)

Poster Presentations (continuously)

Serbia:

SS-1.

- **DIVISION OF HOUSEHOLD LABOR: EXPERIENCES OF COUNTRIES IN SOCIOPOLITICAL TRANSITION**
Ivan Jerkovic

Section T. (Engineering)

Moderators:
Prof. Dr. eng. Teodor Hepuț
Prof. Dr. Endre Ianos
Prof. Dr. Siniša Kuzmanović
Assoc. Prof. Dr. Zsuzsanna László

Oral Presentations (11:00-13:00)

Romania:

- **FLOOD WIRELESS ALARM DEVICES FOR RURAL COMMUNITIES**
Endre Ianos
- **GENERAL REQUIREMENTS TO SELECT THE ELECTRICAL APPARATUS FOR USE IN EXPLOSIVE GAS ATMOSPHERES**
Lucian Moldovan, Sorin Burian, Jeana Ionescu, Martin Friedmann
- **VERIFICATION BY ANALYTICAL CALCULUS OF THE WINDING PULLEY SHAFT OF PETRILA MINE NEW SHAFT WITH SKIP**
Vilhelm Itu, Iosif Dumitrescu, Mihai Carmelo Ridzi, W. Wilhelm Kec

Serbia:

- **COMPUTER AIDED STRUCTURAL ANALYSIS - CONCEPT OF EDUCATION**
Dušan Kovačević, Igor Džolev
- **THE ROLE OF THE MECHATRONICS IN TECHNOLOGICAL DEVELOPMENT OF THE CONTEMPORARY AGRICULTURAL TRACTORS**
Stojić B., Časnji F., Poznić A.

Poster Presentations (14:00-16:00)

Romania:

ST-1.

THE 5S METHOD – METHOD FOR CREATING AND MAINTAINING AN ORGANIZED, CLEAN AND HIGHLY PERFORMING SPACE AT THE WORKPLACE
Vasile Alexa, Imre Kiss, Sorin Aurel Ratiu, Vasile George Cioata

ST-2.

USING COMPUTER GRAPHICS AND COMPUTER AIDED DESIGN METHODS INTO THE CONCEPTION OF THE BOLTED CONNECTIONS
Carmen Inge Alic, Imre Zsolt Miklos, Cristina Miklos

ST-3.

CONSIDERATION REGARDING THE QUALITY OF THE STEEL USED FOR MAKING ROLLING STOCK COMPONENTS
Constantin Andronache, Ana Virginia Socalici, Teodor Hepuț

ST-4.

STUDY OF THE MACHINING ERROR DUE TO CONTACT DEFORMATION OF WORKPIECE-FIXTURE SYSTEM
Vasile George Cioata, Imre Kiss, Vasile Alexa, Sorin Aurel Ratiu

ST-5.

RESEARCH ON THE INFLUENCE OF BASIC ADDITIVES ON THE COMPRESSIVE STRENGTH OF PELLETS
Eugen Mihai Crișan, Teodor Hepuț

ST-6.

IMPACT STUDY OF TECHNOLOGICAL PARAMETERS USED IN LF PLANTS IN THE EFFICIENCY OF HYDROGEN REMOVAL
Florin Dragoi, Erika Ardelean, Teodor Hepuț

ST-7.

**GROWTH OF PIEZOELECTRIC SINGLE CRYSTALS
AT HIGH TEMPERATURES AND PRESSURES**

Iasmina Miron, Marinela Miclau, Ioan Grozescu

ST-8.

**STUDIES AND RESEARCHES CONCERNING THE DETERMINATION,
ON CASTED SAMPLES, OF THE THERMIC TREATMENT
OF THE HYPEREUTECTOIDE STEEL, ADAMIT TYPE**

Ana Josan, Camelia Pinca Bretotean

ST-9.

**TECHNOLOGICAL BEHAVIOUR OF THE QUALITY ASSURANCE
IN SOME MULTIDISCIPLINARY APPROACHES**

Imre Kiss, Vasile George Cioata, Vasile Alexa, Sorin Aurel Ratiu

ST-10.

**MATHEMATICAL CORRELATIONS BETWEEN THE MAIN ALLOY ELEMENTS
AND THE STEELS RESISTANCE**

Gabriela Cornelia Mihuț, Erika Monika Popa

ST-11.

COMPUTER AIDED DESIGN POSSIBILITIES OF THREADED FASTENERS

Imre Zsolt Miklos, Cristina Carmen Miklos, Carmen Inge Alic

ST-12.

**MULTIDISCIPLINARY RESEARCH REGARDING ON THE SOLIDIFICATION
FRONT AT THE CONTINUOUS CAST HALF-FINISHED PRODUCT**

Erika Monika Popa, Imre Kiss

ST-13.

**RESEARCH ON DESULPHURIZATION OF STEEL WITH CALCIUM
ALUMINATES SYNTHETIC SLAG WITH ADDITION OF TITANIUM OXIDE**

Adriana Puțan, Teodor Hepuț, Vasille Puțan

ST-14.

**NUMERICAL SIMULATION OF THERMAL TRANSFER
IN FLAME-HEATED OVENS**

Sorin Aurel Ratiu, Vasile Alexa, Imre Kiss, Vasile George Cioata

Serbia:

ST-15.

**THE INFLUENCE OF OVERHUNG AND AXIAL LOADS AT OUTPUT SHAFT
OF UNIVERSAL WORM AND HELICAL-WORM GEAR UNITS
ON THEIR THERMAL POWER CAPACITY**

Siniša Kuzmanović, Milan Rackov;

ST-16.

**POSSIBILITY OF PRODUCTION OF FUNCTIONAL FOOD SPREAD
FROM PUMPKIN SEED FLOUR**

Ljubica Dokić, Ivana Nikolić, Biljana Pajin, Zita Šereš

ST-17.

**THERMAL CHARACTERISTICS OF FINAL AND BYPRODUCTS OF SUGAR
INDUSTRY DETERMINED BY DIFFERENTIAL SCANNING CALORIMETRY**

Z. Šereš, B. Pilić, B. Pajin, J. Gyura, D. Šoronja Simović, Lj. Dokić, I. Nikolić

ST-18.

**ENZYMATIC HYDROLYSIS AND CROSS-LINKING
OF PUMPKIN SEED PROTEINS**

Draginja Peričin, Ljiljana Popović, Žužana Vaštag, Senka Popović

ST-19.

**IMPROVEMENT OF THERMAL COMFORT IN A PASSENGER CAR
BY LOCALIZED AIR DISTRIBUTION**

Dragan Ruzic

ST-20.

**HERBS AS AN ADDITIVE TO DIET AND SENSORY QUALITY
OF BROILER MEAT**

Tatjana Savkovic, Pavel Kovač

ST-21.

BEHAVIOR OF MWF AEROSOL

Dunja Sokolović, Dragan Govedarica

ST-22.

**“AUTOMATED VIBRATION DIAGNOSTICS OF ROLLING ELEMENT
BEARINGS”**

Ninoslav Zuber, Hotimir Ličen

Serbia, Slovenia:

ST-23.

**INFLUENCE OF DIFFERENT CATALYSTS ON TRANSESTERIFICATION
OF SUNFLOWER OIL**

Olga Borota, Snežana Sinadinović-Fišer, Milovan Janković, Mateja Primožič

Hungary, Serbia:

ST-24.

A STUDY OF MAIN INDUCTANCES OF A PLANAR TRANSFORMER

Nándor Burány, Neda Pekarić Nađ, Nelu Blaž

Hungary

ST-25.

THE CHARACTERISTICS OF SOLAR ENERGY UTILISABLE IN HUNGARY

Dezsó Fodor

ST-26.

**EFFECT OF TEMPERATURE ON POSITIONING
OF DIFFERENT PAM ACTUATORS**

József Sárosi, Sándor Csikós

ST-27.

**TREATMENT OF MEAT INDUSTRY WASTEWATER
APPLYING HYBRID OZONATION - ULTRAFILTRATION SYSTEM**

Angéla Szép, Szabolcs Kertész, Zsuzsanna László, Gábor Szabó, Cecília Hodúr



Magyar
Tudományos
Akadémia

Felelős kiadó:
Prof. Dr. Dékány Imre,
az MTA r. tagja, a SZAB elnöke
Szeged 2010.