

Program simpozion PRIOCHEM

Joi 29 octombrie 2015

8:00	Înregistrarea participanților		
9:00	<i>Deschiderea festivă. Cuvântul invitațiilor oficiali</i> Constantin Enăchioiu , Director ANCSI Prof.dr.ing. Sorin Roșca , Președinte Societatea de Chimie din România		
9:15	Conferințe plenare	Delia Dimitriu , The Manchester Metropolitan University, Environmental Research Centre	Sustainability and resilience of bioeconomy – an analysis of EU countries official strategies
		Dr. Ing. Sanda Velea , Director General INCDPC-ICECHIM	Microalgae- the Green Gold for Bioeconomy
		Prof.dr.ing. Tănase Dobre , Universitatea Politehnica București	Why Modelling in Chemical Engineering ?
10:45	Pauză de cafea		
11:15	Conferințe plenare	Prof.univ. Vasile Pârvulescu , Universitatea București	Lewis acid-base catalysts for the synthesis of fine chemicals
		Pablo Fanjul , DROPSENS - Spania	Electrochemical transducers based on graphene materials
		Alexandru Woinaroschy , UPB și Anca Daniela Raiciu , Hofigal. Cătălin Mirică , OFI Systems	Lansare cărți, prezentare echipamente cercetare
13:00	Lunch oferit de organizatori		

Sala festivități	Sala Protocol	Biblioteca	Sala Consiliu	Hol parter
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14:00	<p>Secțiunea 1 Bioresurse și biomateriale (Bioeconomie)</p> <p>Moderatori: Petruța Cornea, Florin Oancea</p>	<p>Secțiunea 2 și 4 Ingineria mediului și protecția patrimoniului cultural, Petrochimie și inginerie chimică (Inginerie și protecția patrimoniului)</p> <p>Conferință plenară: Ion Oprescu, Haron Erori în transpunerea industrială a tehnologiilor chimice și petrochimice</p> <p>Moderatori: Ion Călinescu Rodica-Mariana Ion</p>	<p>Secțiunea 3 Materiale multifuncționale și nanocompozite</p> <p>Moderatori: Cătălin Zaharia Zina Vuluga</p>	<p>Secțiunea 5 Doctoranzi</p> <p>Moderatori: Vasile Pârvulescu Sanda Velea</p>	Postere
<p>Prezentarea comunicărilor orale pe secțiuni și a posterelor (<i>Timpul alocat prezentărilor: 15 minute pentru fiecare comunicare orală, iar pentru fiecare poster 2 minute.</i>)</p>					

vineri 30 octombrie 2015

	Sala festivități	Sala Protocol	Biblioteca
	Masă rotundă: Să inovăm, așadar!		
9:00	Florin Oancea , ICECHIM: Publicare vs. brevetare – o abordare pentru o dilemă a cercetătorilor		
9:15	Elisabeta Berceanu , OSIM: Dezvăluirea anticipată a invenției		
9:45	Christina Leucuța , Clustero : Inovarea – forța motrice a unui cluster		
10:15	Mihaela Teodorescu , Intellectual Property Office : Brevetul unic european		
10:45	Pauză de cafea		
11:15	Mihail Soare, Florin Lianu , ARIES: 1. Noutăți în rețeaua Enterprise Europe Network (EEN) 2. Rețeaua European Business Angels Network (EBAN) și Business Angels Romania - membru EBAN	Masă rotundă: Promovarea bioeconomiei circulare românești prin fabricația produselor biodegradabile cu viață scurtă, realizabile prin aplicarea tehnologiilor ICECHIM	Workshop Methology of testing mycotoxins from stored grain using modern analytical techniques
11:45	Alexandru Borcea , ARIES: Servicii EEN		
13:00	Închiderea festivă - premiere		



National Research&Development Institute for
Chemistry&Petrochemistry **ICECHIM**

International symposium

Priorities of Chemistry for a Sustainable Development



editia a XI - a

Bucharest, 29th - 30th October 2015

PROGRAM

Sponsori:





PROGRAM
29 octombrie 2015
SALA FESTIVITATI
ora 09:00

DESCHIDERE FESTIVA. CUVANTUL INVITATILOR OFICIALI.

Constantin ENĂCHIOIU – Director ANCSI
Prof. Dr. Ing. Sorin ROȘCA – Președinte Societatea de Chimie din România

CONFERINTE PLENARE

**SUSTAINABILITY AND RESILIENCE OF BIOECONOMY – AN ANALYSIS OF EU COUNTRIES
OFFICIAL STRATEGIES**

Delia Dimitriu¹, Florin Oancea²

The Manchester Metropolitan University, Environmental Research Centre Chester Street, Manchester, M1 5GD
Institutul Național de Cercetare-Dezvoltare pentru Chimie și Petrochimie –ICECHIM,
Spl. Independentei nr. 202, Bucharest, sect.6.

MICROALGAE- THE GREEN GOLD FOR BIOECONOMY

Sanda VELEA

Institutul National de Cercetare-Dezvoltare pentru Chimie si Petrochimie ICECHIM

WHY MODELLING IN CHEMICAL ENGINEERING?

DobreTanase

Politehnica University of Bucharest

10:45 – 11:15 - PAUZA DE CAFEA

CONFERINTE PLENARE

LEWIS ACID-BASE CATALYSTS FOR THE SYNTHESIS OF FINE CHEMICALS

Vasile I. Parvulescu

*University of Bucharest, Department of Organic Chemistry, Biochemistry and Catalysis, Bdul Regina Elisabeta 4-12,
030016, Bucharest, Romania; tel/fax: +40214100241, vasile.parvulescu@chimie.unibuc.ro*

ELECTROCHEMICAL TRANSDUCERS BASED ON GRAPHENE MATERIALS

Pablo Fanjul

Dropsens - Spania

LANSARE CARTI

Alexandru Woinaroschy¹, Anca Daniela Raiciu²

¹Universitatea Politehnica Bucuresti, ²Sc. Hofigal Sa.

PREZENTARE PRODUSE

Catalin Mirica

OF Systems

13:00 – 14:00 LUNCH OFERIT DE CATRE ORGANIZATORI



29 octombrie 2015

Secțiunea 1 – Bioresurse și Biomateriale

COMUNICARI ORALE - ora 14:00 - Sala festivitatii (etajul 1)

Moderatori:

Prof. Univ. Petruta CORNEA

Dr. Biochim. Florin OANCEA

S1 - O - 1

VEDISAN –a new natural product for eye health and vision improve

MANEA Stefan, TAMAS Viorica, NEAGU Mihaela

S.C. HOFIGAL EXPORT IMPORT S.A., Intrarea Serelor no.2, sector 4, Bucharest, Romania

S1 - O - 2

VARIATION OF POLYPHENOL CONTENTS IN VEGETATIVE ORGANS OF TAGETES ERECTA L.

Robert ANCUCEANU¹, Marilena Viorica HOVANEȚ¹, Adriana Iuliana ANGHEL¹, Octavian Tudorel

OLARU¹, Carmen POPESCU², Mihaela DINU¹

¹*Department of Pharmaceutical Botany and Cell Biology, Faculty of Pharmacy, University of Medicine and Pharmacy, "Carol Davila", 6 Traian Vuia street, Bucharest, Romania*

²*„Vasile Goldiș” Western University of Arad; S. C. Hofigal Export-Import S.A.*

S1 - O - 3

ANTIBACTERIAL EFFECT OF ESSENTIAL OILS AGAINST MICROORGANISMS ISOLATED FROM MASTITIS OF PRODUCTIVE RUMINANTS

TEODOR Andreea¹, STOICA Costin¹, IACOB Ion¹, ȘTEFAN Petre¹, TUDORAN Cătălin¹, CHIURCIU Viorica¹, CHIURCIU Constantin¹, COROBEA Mihai Cosmin², VULUGA Zina², ALBU Mădălina³, IORGA Michaela² and NICOLAE Ion¹

1) Romvac Company S.A., Șoseaua Centurii nr. 7, Voluntari, județul Ilfov; 2) Institutul Național de Cercetare - Dezvoltare pentru Chimie și Petrochimie, Splaiul Independenței, nr. 202, sector 6, București; 3) Institutul Național de Cercetare-Dezvoltare pentru Textile și Pielărie, strada Lucrețiu Pătrășcanu, nr. 16, sector 3, București

S1 - O - 4

FUNCTIONALISED MESOPOROUS SBA-15 SILICA AS SUPPORT FOR IMMOBILISATION OF BIOLOGIC COMPOUNDS

Madalina Ciobanu¹, Mihaela Filip¹, Elena Neagu², Gabriela Paun², Viorica Parvulescu¹

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²*National Institute for Research-Development of Biological Sciences – Centre of Bioanalysis, 296 Spl.Independentei, PO Box 17-16, 060031, Bucharest 6, Romania*

S1 - O - 5

PHYTHOTERAPY AND GEMMOTHERAPY USED IN DIFFERENT TYPE OF AGES (FEEDING DISORDERS)

Anca-Daniela RAICIU

S.C. Hofigal Export-Import S.A., Intrarea Serelor Street, no.2, district 4, cod.042124, Bucharest, Romania

S1 - O - 6

EFFICIENT CONVERSION OF LIGNOCELLULOSIC BIOMASS IN FURFURAL AND ITS DERIVATIVES

VELEA Sanda, RADU Elena, GALAN Ana-Maria, GHIMIS Simona-Bianca, CRETU Florentina,

INCDPC- ICECHIM, 202 Spl. Independentei, 060021, Bucharest, Romania

S1 - O - 7

EXPERIMENTAL RESEARCHES REGARDING THE SYNTHESIS OF POLYFURANS STARTING FROM 2,5-FURANDICARBOXYLIC ACID OBTAINED FROM BIOMASS

Nicoleta PETREA^a, Răzvan PETRE^a, Marcel SONU^a, Alexandru BOBEȘ TUREAC^a,

Andrada Laura PRETORIAN^a, Florentina NEAȚU^b, Vasile ȘOMOȘCHI^c

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^b*University of Bucharest, Department of Organic Chemistry, Biochemistry and Catalysis, 4 – 12 Regina Elisabeta Bvd., 030016, Bucharest, Romania*

^c*SC STIMPEX SA, 46-48 Nicolae Teclu Street, 032368, Bucharest, Romania*

S1 - O - 8

PROCESS FOR OBTAINING FATTY ACID METHYL ESTERS FROM MICROALGAE OIL

**Stepan Emil, Velea Sanda, Enascuta Cristina, Oprescu Emilia,
Vasilievici Gabriel, Radu Elena, Radu Adrian**

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060021, Romania, bioresurse@icechim.ro

S1 - O - 9

**THE BIOGAS – A RENAWAREABLE SOURCE OF ENERGY – CHALLENGES AND PERSPECTIVES IN
ROMANIA**

Nicolae SDRULA¹, Daniela Simina STEFAN²

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² IPROCHIM S.A. 19-21 M. Eminescu Street, Bucharest 1, Romania

S1 - O - 10

**A NORBORNANE FRAGMENT AS SUGAR MOIETY FOR OBTAINING NEW CARBOCYCLIC
NUCLEOSIDE ANALOGUES**

**TANASE Constantin^a, DRAGHICI Constantin^b, COJOCARU Ana^a, ZARUBAEV V.Vladimir^c, GALOCHKINA
V. Anastasia^c, ORSHANSKAYA R. Jana^c, SHOVA Sergiu^d, MAGANU Maria^b, ENACHE Cristian^e, PINTILIE
Lucia^a, NEGUT Catalina^a, DEACONU Mihaela^a, MIHAI Elena^a**

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^cInfluenza Research Institute, Dept. Chemotherapy, 15/17 prof. Popova str., St. Petersburg 197376, Russian
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^eCentral Laboratory for Phytosanitary Quarantine, 11, Voluntari Blvd., 077190, Voluntari, ROMANIA

S1 - O - 11

**NOVEL NOOS SCHIFF-BASE TYPE COMPLEXES OF COBALT, NICKEL AND COPPER IONS.
SYNTHESIS AND CHARACTERISATION.**

G.Zamfir¹, N.Stanica², C.Draghici³, N.Spataru², F.Doroftei⁴, M.Silion⁴, Stanomir Maria-Luiza⁵

1-Technical Collegium „Mircea cel Batrin”, 52 Feroviarilor Street, 012207, Bucharest, Roumania. 2-Institute of
Physical Chemistry of Roumanian Academy, 202 Splaiul Independentei 060021, Bucharest, Roumania. 3-Institute of
Organic Chemistry of Roumanian Academy, 202 Splaiul Independentei, 060023, Bucharest, Roumania. 4-Institute of
Macromolecular Chemistry, "Petru Poni", 41A, Aleea Grigore Ghica, 700487, Iasi, Roumania. 5-Environmental
Protection and Ecological Technology Center Polytecnic University, 1 Polizu Street, Bucharest.

S1 - O - 12

**NON-CLINICAL ANALGESIC EFFECT EVALUATION OF SOME PHARMACEUTICAL DOSAGE FORMS
BASED ON EFFECTS POTENTIATION OF ACETAMINOPHEN, ASPIRIN AND CAFFEINE
ASSOCIATION WITH CHLORPHENIRAMINE**

Velescu Bruno-Stefan¹, Anuta Valentina¹, Sarbu Iulian¹, Octavian Olaru¹, Irina Fierascu², Fierascu Radu²

1 Carol Davila University of Medicine and Pharmacy, Traian Vuia 6, Bucharest 020956, Romania

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Bucharest, Romania

S1 - O - 13

ENZYMES - FOOD TECHNICALLY BREWING PROCESS

Florin Dumitrescu

Plenara

**CONVERSION OF PHYTOGENIC SILICA REACH FOOD INDUSTRY BY-PRODUCTS INTO
VALUE-ADDED PRODUCTS**

F. Oancea¹, K. Leluk², S. Shaposhnikov³, P. C. Cornea⁴, K. Garman⁵, I. Moraru⁶

1-National R&D Institute for Chemistry and Petrochemistry - ICECHIM, Spl. Independentei nr. 202, Bucharest,
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3- NorGenoTech AS, Totenvegen 2049, 2848 Skreia, Norway; 4- University of Agronomic Sciences and Veterinary
Medicines, Faculty of Biotechnologies, Bd. Marasti nr.59, 011464 Bucharest, Romania
5-MKF-Ergis Sp. z o.o. z, ul. Tamka 16, 00-349 Warsaw, Poland; 6- Laboratoarele Medica Srl, Frasinului nr. 11,
075100 Otopeni, Romania

SESIUNE POSTERE – HOLUL MARE(Parter)

S1 – P - 1

SEPARATION OF OMEGA-3 FATTY ACID ESTERS BY MOLECULAR DISTILLATION USE OF ARTIFICIAL NEURAL NETWORK AS MODELING TOOL

ENĂSCUȚĂ Cristina Emanuela^{1,2}, STEPAN Emil¹, RADU Adrian¹, LAVRIC Vasile²

¹ Institutul National de Cercetare Dezvoltare pentru Chimie si Petrochimie – ICECHIM
² Universitatea Politehnica Bucuresti, Facultatea de Chimie Aplicata si Stiinta Materialelor

S1 – P - 2

OPTIMIZATION OF AN ANALYTICAL PROCEDURE FOR QUANTIFICATION OF FATTY ACIDS ESTERS FROM MICROALGAL OIL

GĂLAN Ana-Maria¹, CĂLINESCU Ioan¹, VELEA Sanda², RADU Elena², RADU Adrian²

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S1 – P - 3

ECOLOGICAL LUBRICATING FLUID

**OPRESCU Elena-Emilia^{a,b}, CRISTEA Steliana^a, STEPAN Emil^b, RADU Adrian^b, RADU Elena^b,
VELEA Sanda^b**

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S1 – P - 4

RELATIONSHIP BETWEEN STRUCTURE AND SURFACE PROPERTIES OF PROTEIN-BASED SURFACTANTS

Dana Vărășteanu¹, Irina Elena Chican¹, Loti OPROIU¹, Marius SIMION²

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S1 – P - 5

ECOLOGICAL COMPONENT FOR MOTOR FUELS BASED ON FURFURAL DERIVATES VELEA Sanda¹, BOMBOS Mihaela¹, VASILIEVICI Gabriel¹, RADU Adrian¹, BOMBOS Dorin²

¹ National Institute for Research Development for Chemistry and Petrochemistry- ICECHIM-Bucuresti, 202 Spl. Independentei, 060021, Bucharest, Romania

² Petroleum - Gas University of Ploiesti, 39 Calea Bucuresti, 100520, Ploiesti, Romania

S1 – P - 6

CONTINUOUS FLOW MICROWAVE – ASSISTED EXTRACTION OF POLYPHENOLS FROM GRAPE MARC

Mariana Patrascu¹, Marilena Radoiu², Cristina Toca³

¹ Chemspeed Ltd, Bucharest, Romania, ² SAIREM, Lyon, France, ³ Institute for Diagnosis and Animal Health, Bucharest

S1 – P - 7

ANTIOXIDANT CAPACITY DETERMINATION OF PLANT EXTRACTS BY A CHEMILUMINOMETRIC METHOD

POPA Claudia Valentina¹, CHEREGI Mihaela², BADEA DONI Mihaela³, DANET Andrei-Florin²

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S1 – P - 8

PHYTOCHEMICAL ANALYSIS OF ZIZIPHUS JUJUBA MILL. LEAVES

HOVANET Marilena-Viorica¹, DUȚU Ligia Elena², DINU Mihaela¹, ANCUCEANU Robert Viorel¹

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S1 – P - 9

CHEMICAL ANALYSIS OF SOME NEW EXTRACTS OBTAINED FROM *CYMBALARIA MURALIS* (PLANTAGINACEAE)

Olaru Octavian Tudorel, Nițulescu George Mihai, Tomulescu Oana Maria, Enache Ionela Mariana, Velescu Bruno Ștefan, Margină Denisa

1 Carol Davila University of Medicine and Pharmacy, Traian Vuia 6, Bucharest 020956, Romania

S1 – P - 10

EVALUATION OF ANTIOXIDANT ACTIVITY OF ROSES ESSENTIAL OIL OBTAINED BY MICROWAVE – ASSISTED EXTRACTION THROUGH INTLI TECHNOLOGY

Mariana Patrascu,^a Florin Oancea,^b Marilena Radoiu^c

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^bINCDCP – ICECHIM, Bucharest, Romania; ^cDepartment Research and Development, SAIREM, Lyon, France

S1 – P - 11

IMPROVED EXTRACTION PROCESSES OF NATURAL COMPOUNDS USED TO GENERATE NEW PHYTOTHERAPEUTICAL PRODUCTS AND COSMETICS

STAICU Vasile, NICA Cristina, SUCIU Alexandru, TAMAS Viorica

S.C. HOFIGAL EXPORT IMPORT S.A., Intrarea Serelor no.2, sector 4, Bucharest, Romania

S1 – P - 12

ANALYSIS OF THE STORAGE STABILITY OF THE WHEATGRASS (*TRITICUM AESTIVUM L.*) JUICE IN TERMS OF ANTIOXIDANT ACTIVITY AND THEIR POLYPHENOLS CONTENT

Rusăndica STOICA¹, Raluca SENIN¹, Mihaela MANOLACHE¹, Florin OANCEA¹, Marian CEAUȘU²

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S1 – P - 13

PHYTOPATHOGEN CONTROL OF HORTICULTURAL SHRUBS WITH PLANT EXTRACTS.

III. *FUSARIUM OXYSPORUM*

SESAN Tatiana Eugenia^{1,4,5*}, ENACHE Elena¹, IACOMI Beatrice Michaela², OPREA Maria³, OANCEA Florin⁴, IACOMI Cristian²

1 Department of Botany & Microbiology, Biology Faculty, University of Bucharest tatianasesan@yahoo.com; 2*

Faculty of Agriculture, University of Agronomic Sciences and Veterinary Medicine, Bucharest; 3 Research-Development Institute for Plant Protection, Bucharest; 4 National Research & Development Institute for Chemistry and Petrochemistry, Bucharest; 5 Academy of Agricultural Sciences and Forestry

S1 – P - 14

DAPHNIA MAGNA AS TOXICITY SCREENING TOOL IN PLANTS CONTAINING NOR-TRITERPENE LACTONES

Olaru Octavian Tudorel, Nițulescu George Mihai, Pîrvu Oana Marina, Rușnac Alexandra Mădălina, Spînu Cristiana Elena, Potolea Iulia Marina, Nedelcu Georgiana

Carol Davila University of Medicine and Pharmacy, Traian Vuia 6, Bucharest 020956, Romania

S1 – P - 15

THE EVALUATION OF THE METABOLIC PROFILE FOLLOWING THE ADMINISTRATION OF MELATONIN IN ASSOCIATION WITH IRBESARTAN, ON A HAMSTER EXPERIMENTAL MODEL

DRĂGOI Cristina Manuela¹, NICOLAE Alina Crenguța^{1*}, GRIGORE Corina², ARSENE Andreea Letiția¹

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S1 – P - 16

BIOLOGICAL RELEVANCE OF REVERSE MICELLES STRUCTURE FOR MIMING THE CELL CYTOPLASM

ARSENE Melania-Liliana, CHIVULESCU Alexandru, VASILESCU Gelu, JECU Luiza, BADEA-DONI Mihaela

National Institute for Research & Development in Chemistry and Petrochemistry - ICECHIM, 202 Spl. Independentei, 060021, Bucharest, Romania

S1 – P - 17

ULTRASOUND ASSISTED - SYNTHESIS OF SILVER NANOPARTICLES

M.Patrascu¹, M. Vinatoru², T.J. Mason²

¹CHEMSPEED Ltd.Bucharest,²Sonochemistry Centre Coventry University

S1 – P - 18

IMPACT OF WATER DYNAMICS ON BIOCATALYSIS PERFORMANCE IN NANOMETER SYSTEMS

ARSENE Melania-Liliana, CHIVULESCU Alexandru, VASILESCU Gelu, JECU Luiza, BADEA-DONI Mihaela

National Institute for Research & Development in Chemistry and Petrochemistry - ICECHIM, 202 Spl. Independentei, 060021, Bucharest, Romania

S1 – P - 19

SCREENING OF MICROBIAL STRAINS WITH LIGNOCELLULOSE DEGRADATION ACTIVITY FOR FURTHER PRACTICAL APPLICATIONS

LASLO Éva¹, BECZE Annamária^{1,2}, KONCZ Mihály³, TORÓ Szabolcs¹, KÁDÁR Attila², MARA Gyöngyvér¹

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²Politehnica University București, Faculty of Applied Chemistry and Material Science, București, Splaiul Independenței no. 313. ³Szeged University, Faculty of Nature Sciences and Informatics, Szeged, Aradi vértanúk sq.no. 1.

S1 – P - 20

ASSESSMENT OF SOME ABIOTIC FACTORS ON MICROBIAL BIOPRODUCTS USEFUL IN BIOCONTROL OF PHYTOPATHOGENS

DINU Sorina, SICUIA Oana Alina, CONSTANTINESCU Florica

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S1 – P - 21

SIGNIFICANCE OF HYDROLYTIC ENZYMES AND PLANT GROWTH STIMULATION FACTORS OF TRICHODERMA IN BIOLOGICAL PLANT PROTECTION

RAUT Iuliana^{1,2}, SESAN Tatiana Eugenia^{1,2}, OANCEA Florin¹, ARSENE Melania Liliana¹, BADEA-DONI Mihaela¹, VASILESCU Gelu¹, JECU Luiza^{1*}

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S1 – P - 22

INHIBITION OF THE PATHOGENIC STRAIN PYTHIUM ULTIMUM UNDER LABORATORY AND GREENHOUSE CONDITIONS

RAUT Iuliana^{1,2}, SESAN Tatiana Eugenia^{1,2}, MACIAS Rocio³, BADEA-DONI Mihaela¹, OANCEA Florin¹, ARSENE Melania Liliana¹, VASILESCU Gelu¹, JECU Luiza^{*}

¹ National Institute for Research & Development in Chemistry & Petrochemistry - ICECHIM, Biotechnology & Bioanalysis Group, 202 Spl. Independentei, Bucharest, Romania; ² University of Bucharest, Faculty of Biology, 91-95 Spl. Independentei, Bucharest, Romania; ³ CEBAS-CSIC Institute, Murcia, Spain; * Corresponding author: jecu.luiza@icechim.ro

S1 – P - 23

DISRUPTION METHODS OF SACCHAROMYCES SP. YEAST CELL WALL –COMPARATIVE STUDY

Diana Pasarin*, Camelia Rovinaru*, Valentina Filip, Bogdan Frunzareanu****

** National Institute for Research & Development in Chemistry and Petrochemistry - ICECHIM, 202 Spl. Independentei, 060021, Bucharest, Romania; ** SC Romvac Company SA, Str. Centurii nr. 7, Voluntari, Ilfov*

S1 – P - 24

MONITORING PLANT PHENOLOGY AND PHOTOSYNTHETICAL PARAMETERS ON NUTRACEUTICAL PLANTS TREATED WITH SYSTEMIC DEFENCES ELICITORS

Marius GHIUREA¹, Iuliana RĂUT^{1,2}, Tatiana Eugenia ȘESAN^{1,2}, Florin OANCEA¹, Georgeta NEGRU³, Gelu VASILESCU¹, Luiza JECU¹

¹ INCDP-ICECHIM, Spl. Independentei 202, 060021, Bucharest, Romania; ² University Bucharest, Faculty of Biology, Spl. Independentei 91-95, Bucharest, Romania; ³ SC HOFIGAL EXPORT-IMPORT SA, Intrarea Serelor nr 2, Bucharest, Romania

S1 – P - 25

INFLUENCE OF CONSERVATION MANAGEMENT ON GLOMALIN-RELATED SOIL PROTEIN IN A CAMBIC CERNOZEM SOIL

Mariana Popescu¹, Elena Radu¹, Malina Desliu-Avram¹, Alexandru Cociu², Victor Faraon¹, Florin Oancea¹
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S1 – P - 26

ANTIOXIDANT ACTIVITY AND *IN VITRO* BIOCOMPATIBILITY OF *PASSIFLORA INCARNATA* L. PLANTS TREATED WITH MULTIFUNCTIONAL PRODUCTS

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S1 – P - 27

PLANT BENEFICIAL PSEUDOMONAS SPP. STRAINS ISOLATED FROM RHIZOSPHERE

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S1 – P - 28

BIOLOGICAL ACTION OF PLANT EXTRACTS ON A FUNGAL PLANT BIOSTIMULANT STRAIN OF *TRICHODERMA VIRIDE* PERS.

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S1 – P - 29

APPLYING FLOW CHEMISTRY ON TERPENIC ACIDS FOR MULTIFUNCTIONAL BIOPRODUCTS OBTAINING

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S1 – P - 30

NEW WATER-DISPERSIBLE MESOPOROUS SILICA PARTICLES OBTAINED FROM NATURAL RAW RESOURCES

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S1 – P - 31

THE INDUSTRIAL SALT, PRELIMINARY STUDIES ON ITS IMPORTANCE AND A NEW WAY TO REDUCE ITS PRICE FOR MANUFACTURING

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S1 – P - 32

STUDIES ON RHEOLOGICAL BEHAVIOR OF POLY(3-HYDROXYBUTYRATE) USING A BRABENDER PLASTOGRAPH

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S1 – P - 33

EFFECT OF RENAWABLE BIOPLASTICIZER ON SOME BIOPOLYMERS PROPERTIES FOR FOOD PACKAGING APPLICATION

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**THE RESISTANCE OF WOOD - POLY(VINYL CHLORIDE) COMPOSITES
TO MICROBIAL DEGRADATION**

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**BACTERIAL CELLULOSE - POLY(ACRYLIC ACID) INTERPENETRATING POLYMER NETWORKS
(IPN) COMPOSITE HYDROGELS CONTAINING NATURAL BIOACTIVE SUBSTANCES**

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IORDACHE Tanta-Verona¹, DULDNER Monica¹, SANDU Teodor¹, STOICA Anicuța³, STROESCU Marta³**

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**FACILE SYNTHESIS OF NON-TOXIC SILICA PARTICLES STABILIZED WITH OLEIC ACID
NISTOR Cristina Lavinia, IANCHIS Raluca, TRICA Bogdan, SPATARU Catalin Ilie, PETCU Cristian,
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**THE STUDY OF SURFACE AREA AND POROSITY OF MULTIPARTICULATE SYSTEMS LOADED
WITH A NON-STEROIDAL ANTIINFLAMATORY DRUG**

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THE 5-AMINOPYRAZOLE. A POWERFUL TOOL IN DESIGNING JANUS KINASES INHIBITORS

**Nitulescu George Mihai, Nedelcu Georgiana, Velescu Bruno Ștefan, Oлару Octavian Tudorel
Carol Davila University of Medicine and Pharmacy, Traian Vuia 6, Bucharest 020956, Romania**

**MECHANICAL CALCULATIONS AND MOLECULAR PROPERTIES PREDICTION FOR AMINO ACIDS
WITH NON POLAR, ALIPHATIC SIDE CHAINS**

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**STUDY OF THE ORGAN DISTRIBUTION OF TWO NOVEL RUTHENIUM(II)COMPLEX WITH
ANTICANCER PROPERTIES**

**Luigi Silvestro¹, Bruno-Stefan Velescu², Valentina Anuta², George Mihai Nitulescu², Valentina Uivarosi², Maria
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STUDIES FOR OBTAINING mcl-PHA (CO) POLYESTERS WITH DIFFERENT COMPOSITIONS

**VLADU Mariana-Gratiela¹, PETRESCU Maria-Monica¹, STEFANIU Amalia¹, SAVOIU Gabriela Valeria¹,
SPIRIDON Mariana, EREMIĂ Mihaela Carmen¹, PARASCHIV Ileana¹ and LUPESCU Irina^{1,2}**

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**FLOW INJECTION SYSTEM FOR THE ELECTROCHEMICAL MONITORING OF PEROXYNITRITE
AND ITS REACTION WITH MYOGLOBIN**

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MULTI-ANALYTE DETECTION OF DOPAMINE AND CATECHOL AT ELECTROCHEMICAL MICROBIOSENSORS BASED ON MICROELECTRODE ARRAYS

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STUDY OF THE ELECTROCHEMICAL BEHAVIOUR OF SOME LAMIACEAE EXTRACTS

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NEW STOCHASTIC SENSORS FOR ASSESSING THE EFFECT OF OLEAMIDES ON THE OBESITY

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29 octombrie 2015

Sectiunea 2 – Ingineria Mediului si Protectia Patrimoniului Cultural
Sectiunea 4 – Petrochimie si Inginerie Chimica

COMUNICARI ORALE - ora 14:00 - Sala Protocol (etajul 1)

Moderatori:

Prof. Univ. Ioan CĂLINESCU
Prof. Dr. Chim. Rodica-Mariana ION

Conferinta plenara

ERORI IN TRANSPUNEREA INDUSTRIALA A TEHNOLOGIILOR CHIMICE SI PETROCHIMICE
OPRESCU Ion

HAROM

S2 – O - 1

VITREOUSE COATINGS FOR PRESERVATION OF HERITAGE OBJECTS

MOCIOIU Oana Catalina

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S2 – O - 2

**DETERMINATION OF A PERFUMING LIQUID IN ALKOXY PROPANOLS AS SOLVENT
BY GC-MS AND GC-TCD. THE ELUTION ORDER AND THE McREYNOLD’S CONSTANTS**

Dr. chem. Virgil Badescu

National Research & Development Institute for Chemistry & Petrochemistry – ICECHIM

S2 – O - 3

INNOVATIVE TRAINING SOLUTIONS OF ENTREPRENEURS FROM THE LIFE SCIENCE FIELDS

Ana Aurelia Chirvase¹, **Nicoleta Radu**^{1*}, Narcisa Babeanu², Fantxo Hastaran³, Birute Velykiene⁴.

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S2 – O - 4

**KEY COMPETENCES NEEDED TO START AND DEVELOP THE INNOVATIVE SME’S IN THE FIELD
OF LIFE SCIENCES**

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S4 – O - 5

FUEL HYDRODESULFURIZATION IN HETEROGENEOUS CATALYSIS

DOUKEH Rami¹, **BOLOCAN Ion**¹, **VELEA Sanda**², **BOMBOS Mihaela**², **VASILIEVICI Gabriel**², **BOMBOS Dorin**¹, **GEORGESCU Vasile**³

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S4 – O - 6

TECHNODESIGN-ul – REZISTENȚA EDUCAȚIEI INGINEREȘTI

DUMITRESCU Florin

Colegiul Tehnic „General David Praporgescu”

SESIUNE POSTERE – S2 si S4 – HOL MARE (Parter)

S2 – P - 1

NON –HAZARDOUS PRODUCTS FROM RED MUD WASTE

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S2 – P - 2

THE INTERACTION OF IMPURITIES CONTAINED IN NATURAL PHOSPHATES ON THE NITRIC ACID DECOMPOSITION

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S2 – P - 3

BREAKTHROUGH CURVE STUDIES FOR THE REMOVAL OF COBALT FROM AQUEOUS SOLUTIONS ON PUROLITE ION EXCHANGE RESINS

Irina Elena Chican¹, Dana Vărășteanu¹, Mircea Ruse¹, Zornitsa Tsoleva², Bozhidar Slavchev², Lyuben Dobrev²

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S2 – P - 4

ADSORPTION DECOLORIZATION TECHNIQUE OF TEXTILE/ LEATHER – DYECONTAINING EFFLUENTS

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S2 – P - 5

FTIR SPECTRAL ANALYSIS OF COLOURED PRINTING INKS FROM A MAP OF A LATE XIX-th CENTURY ROMANIAN BOOK

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S2 – P - 6

STUDY ON THE EFFECT OF USING ORGANOCATALYSTS IN THE SYNTHESIS OF POLYESTER-POLYOLS FOR THERMAL INSULATING POLYURETHANE RIGID FOAMS, FROM PET WASTES AND RENEWABLE RESOURCES

DULDNER Monica*, IANCU Stela *, CAPITANU Stanca*, BARTHA Emeric **, NICA Simona, SARBU Andrei *, APOSTOL Steluta *, SANDU Teodor *, ZAHARIA Anamaria *, RADU Anita-Laura***

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S2 – P - 7

PHYSICAL AND CHEMICAL CHARACTERIZATION OF WASTE ON THE TARNAVENI PLATFORM IN ORDER TO RECOVER VARIOUS ELEMENTS

ENACHE Lenuta, NEAGU Eleonora, SOARE Victoria, MOCIOIU Ana Maria, PURCARU Victoria, BADILITA Viorel

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S2 – P - 8

FLOURINE VALORIFICATION OBTAINED IN THE FABRICATION PROCESS OF COMPLEX FERTILIZERS

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S2 – P - 9

“SIMULATED ARTEFACTS” IN BIODETERIORATION STUDIES: COMPARISON BETWEEN THE USE OF NATURAL EXTRACTS AND SYNTHESIZED MATERIALS AS ANTIFUNGAL AGENTS

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S2 – P - 10

PHOTO-DEGRADATION STUDY OF POLYBROMINATED ORGANIC COMPOUNDS
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S2 – P - 11

STUDY OF WATER QUALITY PHYSICO-CHEMICAL PARAMETERS.
CASE ON DANUBE IN BRAILA CALARASI AREA

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S2 – P - 12

CONSERVATION AND RESTORATION OF THE CHURCH ASCENSION ICONOSTASIS FROM GRINDU COMMUNE – PRELIMINARY DATES

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S2 – P - 13

COMPARISON BETWEEN DIFFERENT ADSORBENT MATERIALS USED FOR COPPER (II) REMOVAL /FROM AQUEOUS SOLUTIONS

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S2 – P - 14

THE IMPACT OF HYDROPHOBIZATION AND CONSOLIDATION TREATMENTS ON SOME INDIGENOUS LITHIC CALCAREOUS MATERIALS USED IN THE RESTORATION INTERVENTIONS OF SOME HISTORICAL MONUMENTS

PELIN Vasile^(1a), SANDU Ion^(2a), GURLUI Silviu⁽³⁾, BRÂNZILĂ Mihai^(1b), VASILACHE Viorica^(2b), SANDU Ioan Gabriel⁽⁴⁾⁽⁵⁾

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S2 – P - 15

POLYCHLORINATED BIPHENYL COMPOUNDS (PCBs) DETERMINATION FROM WATER BY GAS CHROMATOGRAPHY COUPLED WITH MASS SPECTROMETRY (GC – MS)

Raluca SENIN, Virgil BADESCU, Rusandica STOICA

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S2 – P - 16

TOTAL POLYPHENOLS AND FLAVONOIDS CONTENT AND ANTIOXIDANT ACTIVITY OF ROBINIA PSEUDOACACIA AND CRATAEGUS MONOGYNA EXTRACTS

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S2 – P - 17

THE LIQUID MEMBRANE PROCESS OPTIMIZATION FOR SEPARATION OF CADMIUM CATIONS, USING D2EHPA AS CARRIER

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MODIFIED ROAD BITUMEN WITH POLYBUTENE
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STUDY OF PHYSICO-CHEMICAL PROPERTIES OF GASOLINE+BIOALCOHOLS MIXTURES
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PRESSURE AND TEMPERATURE INFLUENCE ON COMBUSTION PROPAGATION IN
n-BUTANE-AIR GASEOUS MIXTURES

GIURCAN Venera¹, MITU Maria¹, RAZUS Domnina¹, OANCEA Dumitru²

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NITROGEN INFLUENCE ON FLAME PROPAGATION IN C₂H₄-N₂O MIXTURES
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SULFONAMIDE DERIVATIVES OF PHENOXYACETIC ACID; SYNTHESIS AND STRUCTURAL
CHARACTERIZATION

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SYNTHESIS AND SPECTROSCOPY STUDIES OF BY-PRODUCTS OF CHLOROQUINALDOL

Pintilie Lucia¹, Deaconu Mihaela¹, Stefaniu Amalia¹, Tanase Constantin¹, Caproiu Miron Teodor²

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BIOFUELS IN THE FUTURE

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VAPOR-LIQUID EQUILIBRIA AND THERMOPHYSICAL PROPERTIES FOR PROTOTYPE IONIC
LIQUID WITH 1-BUTANOL BINARY SYSTEMS

TEODORESCU Mariana

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29 octombrie 2015

Sectiunea 3 – Materiale Multifunctionale si Nanocompozite

COMUNICARI ORALE - ora 14:00 - Biblioteca (etajul 2)

Moderatori:

Conf. Dr. Ing. Cătălin ZAHARIA

Dr. Ing. Zina VULUGA

S3 – O - 1

STRUCTURAL ANALYSIS OF CuPC THIN FILMS ANNEALED IN DIFFERENT ENVIRONMENTS

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2. Department of Chemistry, Moldova State University, MD 2009, Chisinau Moldova

3. Faculty of Physics, Alexandru Ioan Cuza University, Iasi 700506, Romania

S3 – O - 2

THE STYRENE-BUTADIENE BLOCK-COPOLYMER GRAFTING WITH TETRACYCLINE

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S3 – O - 3

RHEOLOGICAL PROPERTIES OF HUMAN BODY SIMULANTS FOR MILITARY USE

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Materials Group, 1-7 Gh. Polizu Str., 011061 Bucharest, Romania

S3 – O - 4

CATALYTIC AND PHOTOCATALYTIC SYSTEMS FOR DECOMPOSITION OF THE CWAs

**Nicoleta PETREA^a, Razvan PETRE^a, Constantin TOADER^a, Gabriel EPURE^a, Ovidiu IORGA^a, Georgeta
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S3 – O - 5

DIFFERENT TECHNIQUES FOR THE PREPARATION OF 1%, 2%, 3% NICKEL/ACTIVATED CARBON ELECTROCATALYSTS FOR PEMFCs

**Nicoleta PETREA^a, Marcel SONU^a, Răzvan PETRE^a, Ovidiu IORGA^a, Alexandru BOBEȘ TUREAC^a, Mihaela
FLOREA^b, Ștefan NEAȚU^c, Vasile ȘOMOCHI^c**

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S3 – O - 6

ANALYSIS METHOD BY ICP-OES FOR THE DETERMINATION OF PRECIOUS, PLATINUM GROUP AND RELATED ELEMENTS FROM ORES AND TECHNOLOGICAL SOLUTIONS

CAPOTA Petre, PURCARU Victoria

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Biruinței 102 Blvd. Pantelimon Ilfov, ROMANIA

S3 – O - 7

THE DIRECT ANALYSIS OF SOLID SAMPLES WITHOUT DISSOLUTION, BY ICP-OES

CAPOTA Petre, CONSTANTIN Ionuț, OLARU Tudor Mihai

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Biruinței 102 Blvd. Pantelimon Ilfov, ROMANIA

S3 – O - 8

DESORPTION PROPERTIES OF MCM-41 USING CEFEPIME

GUDOVAN Dragoș^a, MIHAIESCU Dan Eduard^a, DEACONU Mihaela^{a,b}, PINTILIE Lucia^b

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S3 – O - 9

DYNAMIC STRESS MITIGATION OF POLYMER COMPOSITE MATERIALS

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S3 – O - 10

STYRENE-DIENE BLOCK COPOLYMERS REINFORCED WITH BENTONITE

Ghioca Paul, Iancu Lorena, Spurcaci Bogdan, Ramona Grigorescu, Michaela Iorga, Dorel Florea

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S3 – O - 11

COLOURED POLYMERIC MICROCOMPOSITES WITH MINIMAL ENVIRONMENTAL IMPACT

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S3 – O - 12

VANCOMYCIN SORPTION ON PRISTINE AND OXIDIZED EXFOLIATED GRAPHITE NANOPATELETS

Elena Radu¹, Rusândica Stoica¹, Sanda Maria Doncea¹, Elvira Alexandrescu¹, Ahmed Jassim Muklive Al-Ogaidi^{2,3}, Mirela Mihon⁴, Ion Ion², Alina Catrinel Ion^{2*}

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SESIUNE POSTERE – S3 – HOL MARE(Parter)

S3 – P - 1

SELF- DISPERSIBLE CARBON BLACK PIGMENT (C I PBlk 7), PREPARATION METHODS AND CLASSIC AND NEWER AREAS OF USE

Angela Anca Athanasiu¹, Marian Deaconu, Sanda Doncea, Loti Cornelia Oproiu, Marian Crudu², Mircea Ruse, Catalin Filipescu¹, Dan Rosu³

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S3 – P – 2

STUDIES FOR SOLID-PHASE EXTRACTION USING MOLECULAR IMPRINTED POLYMERS FOR NITROFURANTOINE

Bacalum Elena¹; Cheregi Mihaela¹; Bucur Bogdan²; David Victor¹; Rizea Florentina³; Diacon Aurel³; Rusen Edina³

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POLYMER MEMBRANES WITH PLANT EXTRACTS FOR REMOVAL OF DYES FROM WASTEWATERS

CAPRARESCU Simona¹, RADU Anita-Laura², PURCAR Violeta², PETCU Cristian², IANCHIS Raluca², ALEXANDRESCU Elvira², SARBU Andrei², NISTOR Cristina Lavinia², MIRON Alexandra Raluca³, ION-EBRASU Daniela⁴, COJOCARU Anca¹

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THERMAL, MECHANICAL AND MORPHOLOGICAL CHARACTERIZATION OF PHA/BACTERIAL CELLULOSE COMPOSITES

CHIULAN Ioana¹, PANAITESCU Denis Mihaela¹, FRONE Adriana Nicoleta¹, NICOLAE Cristian Andi¹, SPĂTARU Cătălin Ilie¹, LUPESCU Irina², CĂȘĂRICĂ Angela²

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MELT RHEOLOGY IN CONECTION WITH TENSILE EXTENSION AND TENSILE STRESS AS METHOD TO SELECT OPTIMUM STARCH FORMULATION FOR THERMOFORMING

Dimonie Doina¹, Dimonie Mihai¹, Musat Miruna¹, Anton Liliana¹, Damian Celina Maria², Trusca Roxana³, Vasile Eugeniu³, Rapa Maria⁴

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⁴The Research Institute of Organic Auxiliary Products ICPAO, 8 Carpati, Medias, Sibiu County, Romania

RELEASE PROFILES OF PEFLOXACIN FROM MESOPOROUS MATERIALS

DEACONU Mihaela^{a,b}, PINTILIE Lucia^b, GUDOVAN Dragoș^a, MIHAIESCU Dan Eduard^a

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CONTROLLING THE MACROMOLECULAR MISCIBILITY AS METHOD TO ENHANCE THE BIODEGRADABILITY OF STARCH BASED RENEWABLE MATERIALS

Dimonie Doina¹, Musat Miruna¹, Anton Liliana¹, Jecu Luiza¹, Raut Iuliana¹, Dimonie Mihai¹, Trusca Roxana², Mihai Anastasescu³, Stoica Rusandica¹, Eugeniu Vasile², Socoteanu Radu³, Patrizia Cinelli⁴

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CHARACTERIZATION OF INSULATING MATERIALS USED IN ROTATING ELECTRICAL MACHINES

DULAMA Ioana Daniela¹, BUCURICA Ioan Alin¹, POPESCU V. Ion^{2,3,4}, TEODORESCU Sofia¹, STIRBESCU Raluca¹, VARATICEANU Bogdan⁵, TELIPAN Gabriela⁶

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TEXTURAL PROPERTIES OF MESOPOROUS SILICA SUPPORTED KEGGIN-TYPE HETEROPOLYACID

GANEA Rodica¹, VELEA Sanda¹, BOMBOȘ Dorin², VASILIEVICI Gabriel¹, STOICA Rusandica¹

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S3 – P - 10

SEBS-GRAPHITE COMPOSITES: OBTAINING AND MORPHOLOGICAL CHARACTERIZATION

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S3 – P - 11

IMPROVING BIOCOMPATIBILITY PROPERTIES OF MEDICAL POLYMERIC MATERIALS BY USING SILVER NANOPARTICLES

GROSU Elena¹, BALOTESCU Carmen², FICAI Anton³, RAPA Maria¹, SOMESAN Maria¹, JECU Luiza⁴

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S3 – P - 12

PREPARATION, CHARACTERIZATION AND APPLICATION OF MODIFIED COMMERCIAL ORGANOCLAY POLYMER MEMBRANES FOR REMOVAL OF INDIGO CARMINE

CAPRARESCU Simona¹, IANCHIS Raluca², RADU Anita-Laura², PURCAR Violeta², ALEXANDRESCU Elvira², SARBU Andrei², MIRON Alexandra Raluca³, VAIREANU Danut Ionel¹, COJOCARU Anca¹, MAIOR Ioana¹, CIOBOTARU Ioana Alina¹

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S3 – P - 13

SMART HYBRID BIOMIMETIC COATED TITANIUM BIOALLOY IN VITRO CELLULAR RESPOSE

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S3 – P - 14

NEW SYSTEMS OF CARRIERS LOADED WITH CARROT EXTRACT IN VEGETABLE OILS

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S3 – P - 15

MOLECULARLY IMPRINTED POLYMERS OBTAINED BY WET PHASE INVERSION FOR SEPARATION AND SENSING

Tanta-Verona Iordache¹, Ana-Mihaela Florea^{1,2}, Steluta Apostol¹, Anita-Laura Radu¹, Anamaria Zaharia¹, Violeta Purcar¹, Catherine Branger³, Hugues Brisset³, Andrei Sarbu¹

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S3 – P - 16

EFFECT OF CARBON NANOTUBES ON THEIR PROPERTIES EPOXY MATRIX

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S3 – P - 17

GRAPHENE AS CATALYST SUPPORT FOR FUEL CELL APPLICATIONS

Adriana Marinoiu¹, Constantin Teodorescu², Mircea Raceanu¹, Irina Petreanu¹, Claudia Sisu¹, Mihai Varlam¹

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S3 – P - 18

NICKEL BASE CATALYSTS AS DUAL FUNCTION MATERIALS FOR CO₂ CONVERSION TO METHANE

Adriana Marinoiu¹, Tudor Popescu², Ioan Iordache¹, Claudia Cobzaru³, Corina Cernatescu³

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S3 – P - 19

OBTAINING AND CHARACTERIZATION OF NEW CARBAZOLE-CONTAINING AZOPOLYMER

Alexei MESHALKIN

Institute of Applied Physics of Academy of Sciences of Moldova

S3 – P - 20

ASSESSMENT OF THE CONCENTRATION OF Ag, Au AND Cu FROM COLLOIDAL SUSPENSIONS AND POWDERS FOR STERILE BANDAGES BY THE FAAS METHOD

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S3 – P - 21

COMPOSITE PROTON EXCHANGE MEMBRANE FROM SULFONATED POLY(PHENYLENE OXIDE) AND SILICA NANOPARTICLES FORMED IN SITU - PREPARATION AND CHARACTERIZATION

Irina Petreanu¹, Adriana Marinoiu¹, Claudia Sisu¹, Mihai Varlam¹, Radu Claudiu Fierascu², Paul Stanescu³, Mircea Teodorescu³

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S3 – P - 22

STUDIES ON COMPOSITE BIOMATERIALS OBTAINED BY POWDER METALLURGY

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S3 – P - 23

CHARACTERIZATION OF RECYCLED POLYPROPYLENE BLENDS OBTAINED BY MELT ALLOYING WITH STYRENE BLOCK COPOLYMERS

RÂPĂ Maria¹, GROSU Elena¹, GHIOCA Paul Nicolae², IANCU Lorena², SPURCACIU Bogdan², GÂRDU Radița³, PICA Alexandra³, CINCU Corneliu³, MATEI Ecaterina⁴, BERBECARU Constantin Andrei⁴

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S3 – P - 24

ESTIMATION OF THE SENSITIVITY AT CHANGING OF WORKING PARAMETERS AS METHOD TO FIND THE WINDOW OF MELT PROCESSING CONDITIONS FOR SOME NEW BIODEGRADABLE MATERIALS

DIMONIE Doina¹, MUȘAT Miruna¹, VASILE Eugeniu², TRUȘCĂ Roxana², ANTON Liliana¹, DAMIAN Celina³, DIMONIE Mihai¹, RÂPĂ Maria⁴

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S3 – P - 25

INVESTIGATION OF POLYMER NANOCOMPOSITES WITH RED MUD CONTENT PRODUCTION PROCESS

SANDU Teodor¹, SÂRBU Andrei¹, ZĂVOIANU Rodica², BRADU Corina³, FLOREA Mihaela², SÂRBU Liliana¹, BACALUM Fănică¹, LADANIUC Magdalena Adriana¹, RADU Anita Laura¹, APOSTOL Steluța¹, PERRIN Francois Xavier⁴

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S3 – P - 26

MULTIFUNCTIONAL HYBRID MATERIAL FOR WASTEWATER TREATMENT

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S3 – P - 27

SPECTROPHOTOMETRIC METHODS FOR ESTIMATION OF MELATONIN AND VITAMIN C FROM THE COMBINED CAPSULE DOSAGE FORM

Stefania Simionescu^{1,2}, Rodica-Mariana Ion^{3,4}

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S3 – P - 28

NEW MATERIALS BASED ON STYRENE-ISOPRENE ELASTOMERS, MODIFIED WITH CYCLOOCTENE BY GRAFTING VIA RING-OPENING METATHESIS POLYMERIZATION (ROMP)

Spurcaci Bogdan*, Ghioca Paul, Iancu Lorena, Bujanca Ioneta,

Grigorescu Ramona, Nicolae Cristian-Andi, Gabor Raluca, Raditoiu Valentin.

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S3 – P - 29

SYNTHESIS OF STYRENE-ISOPRENE BLOCK-COPOLYMERS MODIFIED WITH FATTY ACID ESTERS BY CROSS METATHESIS

Spurcaci Bogdan*, Iancu Lorena, Ghioca Paul, Bujanca Ioneta,

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S3 – P - 30

INTERACTION BETWEEN VARIOUS NANOPARTICLES AND Cr(VI) FROM WASTEWATER

Sofia TEODORESCU¹, Rodica-Mariana ION^{1,2}, Ioana-Daniela DULAMĂ¹,

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S3 – P - 31

PARAMETERS INFLUENCING THE STRUCTURATION LEVEL OF SOME NEW RENEWABLE MATERIALS

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S3 – P - 32

POLYPROPYLENE/ ALUMINOSILICATE COMPOSITES PROPERTIES

Vuluga Zina¹, Paceagiu Jenica², Oancea Florin¹, Iorga Michaela¹, Jecu Luiza¹, Apostol Valentin³

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29 octombrie 2015

Sectiunea 5 – Sectiunea Doctoranzilor

COMUNICARI ORALE - ora 14:00 – Sala Consiliu (etajul 1)

Moderatori:

Prof. Vasile PÂRVULESCU

Dr. Ing. Sanda VELEA

S5 – O - 1

CONTENT ANALYSIS OF METALS AND PERSISTENT ORGANIC POLLUTANTS IN SEDIMENTS FROM THE DANUBE BETWEEN CALARASI AND BRAILA SECTION

CODESCU Maria Cristina

Polytechnic University, Faculty of Applied Chemistry and Materials Science

S5 – O - 2

SYNTHESIS AND FLUORESCENCE OF NEW 3-BIPHENYLPYRROLO[1,2-C]PYRIMIDINES TATU Marian-Laurentiu^a, GEORGESCU Emilian^b, BOSCORNEA Cristian^c, POPA Marcel-Mirel^{d,e}, UNGUREANU Eleonora-Mihaela^a

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S5 – O - 3

EXTRACTION AND FRACTIONATION OF PROTEINS FROM „PHORPHYRIDIUM CRUENTUM” BY ULTRAFILTRATION

TRICĂ Bogdan^{1,2}, DJELVEH Gholamreza³, MARCATI Alain³, DOBRE Tănase², URSU Alina-Violeta³,
PETCU Cristian¹, PURCAR Violeta¹, NIȚU Sabina¹, ȘOMOCHI Raluca¹

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SESIUNE POSTERE – S5 – SALA CONSILIU(Etaj 1)

S5 – P - 1

SYNTHESIS AND APPLICATION OF SOME AZOIC DYES

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³ Valahia University, Materials Dept., 13th Sinaia Alley, 130004, Targoviste, Romania

S5 – P - 2

THE INTERPHASE TRANSFER BALANCES OF INDOLE-3-ACETIC ACID

Ecaterina Anca Șerban, Cristina Monica Mirea, Ioana Diaconu*, Elena Ruse, Gheorghe Nechifor

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S5 – P - 3

THE EFFECT OF DEXTRAN ADDITION UPON THE THERMOGELATION AND DRUG RELEASE PROPERTIES OF POLY(N-ISOPROPYLACRYLAMIDE) INJECTABLE HYDROGELS

Maria ANDREI, Gabriel TURTURICĂ, Paul O. STĂNESCU, Mircea TEODORESCU*

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S5 – P - 4

SYNTHESIS AND CHARACTERIZATION OF NEW MIXED-LIGAND COMPLEXES OF 5-HYDROXYFLAVONE AND 1,10-PHENANTHROLINE WITH SOME LANTHANIDE IONS

Alexandra- Cristina Ticea¹, Mihaela Badea², Rodica Olar², Stefania-Felicia Barbuceanu³, George Mihai Nitulescu⁴, Valentina Uivarosi¹

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S5 – P - 5

BENEFITS AND OUTCOME OF CHEMOTHERAPY IN MEDULLOBLASTOMA AT BORDERLINE AGE IN PROTOCOLS OF ONCOLOGIC TREATMENT. CASE REPORT AND LITERATURE REVIEW

Oana VOINEA, Catalin COCOSILA, M. Sajin, M. Costache, A.Dumitru, Mihai Gheorghe LISIEVICI

Emergency Clinical Hospital Bagdasar-Arseni Bucuresti, University of Medicine and Pharmacy Carol Davila Bucharest, Bucharest University Hospital of Emergencies

S5 – P - 6

AZO-DYES FOR COLOURING FOODSTUFFS OF ANIMAL AND PLANT SOURCES

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S5 – P - 7

SUBSTITUTED PHTHALOCYANINE DERIVATIVES – MATERIALS WITH POTENTIAL PHOTOLENTHIC PROPERTIES

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S5 – P - 8

IDENTIFICATION, STRUCTURAL AND ARCHAEOMETRIC CHARACTERIZATION OF A VIOLIN FROM THE SIXTH CENTURY, COPY MODEL ANTONIUS STRADIVARIUS 1713

Marius PADURARU¹, Ovidiu TANASA², Daniel POTOLINCA¹, Viorica VASILACHE³, Ion SANDU³

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S5 – P - 9

IDENTIFICATION AND CHARACTERIZATION OF THE ILLICIT ARCHEOMETRIC GOODS AT THE CROSSING BORDER

Daniel POTOLINCA¹, Ioan Cristinel NEGRU², Marius PADURARU¹, Viorica VASILACHE³, Ion SANDU³

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S5 – P - 10

DEVELOPMENT OF Ba_{0.5}Sr_{0.5}TiO₃ (BST) BASED THIN FILMS BY HYDROTHERMAL – ELECTROCHEMICAL PROCESSES

Cosmin Petrică¹, Ecaterina Andronescu², Roxana Piticescu¹, Eugeniu Vasile²

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S5 – P - 11

THERMOGRAVIMETRIC ANALYSIS AND ELECTRON MICROSCOPY SEM FOR GRAPHITE FILMS DEPOSITED BY THE ELECTRICAL DISCHARGES IN PULSE METHOD WITH GRAPHITE CATHODE METHOD

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S5 – P - 12

**HYBRID NANOSTRUCTURED THIN FILM DEPOSITION BY VACUUM THERMAL EVAPORATION AS
POTENTIAL METHOD IN SENSORS FABRICATION**

SOBETKII Arcadii, RUSTI Cristina, PITICESCU Radu, BOGDANESCU Cristian
INCDMNR, Bd. Biruinței, nr. 102, Pantelimon, Ilfov

S5 – P - 13

COLD PROCESS FOR OIL SAPONIFICATION

Mariana Popescu, Mălina Deșliu-Avram

Research and Development National Institute for Chemistry and Petrochemistry – ICECHIM, Bucharest

S5 – P - 14

**VALIDATION OF AN ANALYTICAL METHOD FOR THE DETERMINATION OF ANTIMONY IN
DRINKING WATER BY INDUCTIVELY COUPLED PLASMA OPTICAL EMISSION SPECTROMETRY,
ICP-OES**

Luiza CAPRA¹, Mihaela MANOLACHE¹, Alina Catrinel ION²

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S5 – P - 15

KERATINOPHYLIC FUNGI ISOLATED FROM ANIMALS

**CĂLIN Mariana^{1,2}, DRĂCEA Olgața³, RĂUT Iuliana^{1,2}, VASILESCU Gelu¹, JECU Luiza¹,
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Immunology “Cantacuzino”, 103 Independentei Spl. .050096, Bucharest, Romania;*

S5 – P - 16

**TECHNOLOGICAL PROCESS OF PRODUCING SOIL INOCULANTS USING ENTOMOPATHOGENIC
FUNGI AS ACTIVE INGREDIENTS**

Mihaela Monica DINU, Ana-Cristina FĂTU

Research –Development Institute for Plant Protection, Ion Ionescu de la Brad Bd., no.8, Bucharest

S5 – P - 17

**TIMELINE EVOLUTION OF MAIZE AND WHEAT PATHOGENIC FUNGI DURING THE STORAGE
PERIOD**

Roxana DUDOIU^{1,2*}, Carmen LUPU¹, Vasile JINGA¹, Stelica CRISTEA², Florentin CHITORAN³

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Medicine, Bucharest;* ³ *S.C. AGROTEHNIC Păulești, Prahova*

S5 – P - 18

**SYNTHESIS OF BIODEGRADABLE GELATIN FILMS PLASTICIZED BY GLICEROL, APPLICABLE IN
CONTROLLED RELEASE.**

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S5 – P - 19

**OBTINEREA 5-HIDROXIMETIL- FURFURALULUI DIN D-FRUCTOZA PRIN CATALIZA HETEROGENA
SI HOMOGENA**

BEDŐ Dávid CS, FODOR Cristian CSA, BOMBOS Dorin CSI

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30 octombrie 2015

MASA ROTUNDA: SA INOVAM ASADAR!

Ora 09:00 - Sala Festivitati(Etaj 1)

WORKSHOP

**METHODOLOGY OF TESTING MYCOTOXINS FROM STORED GRAIN USING MODERN
ANALYTICAL TECHNIQUES**

Ora 11:00 - Biblioteca(Etaj 2)

**MASA ROTUNDA: PROMOVAREA BIOECONOMIEI CIRCULARE ROMANESTEI PRIN
FABRICATIA PRODUSELOR BIODEGRADABILE CU VIATA SCURTA, REALIZABILE PRIN
APLICAREA TEHNOLOGIILOR ICECHIM**

Ora: 10:00 - Sala Protocol(Etaj 1)

INCHIDEREA FESTIVA – PREMIEREA

Ora 13:00 – Sala Festivitati