"Nicolae Testemiţanu" State University of Medicine and Pharmacy
Moldova State University
Institute of Chemistry of MSU
Institute of Mother and Child

International Congress MEDICINE, MOLECULAR AND ENVIRONMENTAL SCIENCES 2025

"From chemistry to medicine – 35 years of Moldo-Romanian scientific collaboration"



PROGRAM

November, 10-15 2025 Chişinău, Republic of Moldova "Nicolae Testemiţanu" State University of Medicine and Pharmacy Moldova State University Institute of Chemistry of MSU Institute of Mother and Child

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November, 10-15 2025 Chisinau, Republic of Moldova

WELCOME

Dear Colleagues and Friends,

We are delighted to welcome you at the International Congress "MEDICINE, MOLECULAR AND ENVIRONMENTAL SCIENCES 2025" in Chisinau and we thank you for attending.

Please join us in celebrating 35 years of Moldo-Romanian scientific collaboration.

The MedMolMed 2025 congress aims to play a key role in developing research and expanding collaboration in the fields of molecular and life sciences. Expanding collaboration between scientists from Moldova and Romania is essential for maintaining our relevance, competitiveness, and visibility in the European and global academic area.

Topics include basic and applied researches as well as case studies in the fields of medicine, chemistry, physics and all related biomedical and molecular areas (pharmacy, biochemistry, food sciences, material sciences, crystal engineering, ecology, etc).

There are over papers registerd to MedMolMed 2025. We thank you for the interest shown in this event.

Last but not least, we wish to thank all the sponsors and institutions for their commitment and much appreciated support of the conference. We hope that direct contacts btween sponsors and participants will enhance collaboration in future reserch projects and infrastructure development.

We hope that the program will stimulate enthusiastic discussions and we wish you a nice stay in Chisinau.

Professor Olga TAGADIUC Chair, Organizing Committee

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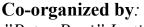
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"Petru Poni" Institute of Macromolecular Chemistry, Iași University of Medicine and Pharmacy "Grigore T. Popa", Iași "Costin D. Nenițescu" Institute of Organic and Supramolecular Chemistry, București A.O. Association for Investigation of Chronic Maladies, Orhei









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Venue: The "Nicolae Testemitanu" State University of Medicine and Pharmacy Sociocultural Complex, Nicolae Testemitanu Street 25, Chisinau. Accessible by public buses No 8 and 9 from Ştefan cel Mare şi Sfânt blvd. (central part) to "Spitalul Clinic Republican" station.

Monday, November 10			
08:30-09:00	Registration		
09:00-10:30	Opening ceremony		
	Moderator: Olga Tagadii	ıc	
	- Guests for welcome speech:		
	- Emil Ceban, Ministry	- Emil Ceban, Ministry of Health of the Republic of Moldova	
	- Dan Perciun, Ministry	of Education and Research of Republic of Moldova	
		of Education and Research, Romania	
		· USMF "Nicolae Testemiţanu"	
	, ,	Moldova State University, Chişinău	
	- Adrian Covic, Vice-red Iași	etor "Grigore T. Popa" University of Medicine and Pharmacy,	
	- Ion Tighineanu, Presid		
		xandru Ioan Cuza University, Iași	
	- Aurelia Hanganu, Gene		
	- Valeria Harabagiu, Dir Chemistry, Iași	ector of the "Petru Poni" Institute of Macromolecular	
	• • • •	or of the Institute of Mother and Child, Chişinău	
	- Aculina Arîcu, Director of the Institute of Mother and Cline, Chişinad		
	- Karina Nersesyan, UN	FPA Moldova representative	
	- Calin Deleanu, "Costin	D. Nenițescu" Institute of Organic and Supramolecular	
	Chemistry, București; "Petru Poni" Institute of Macromolecular Chemistry, Iași,		
10:30-12:00	PLENARY Session		
	Moderators: Olga Tagadiuc, Valeria Harabagiu		
PL-1	Adrian Covic	Chemistry-pathology interface: uremic toxins and the risk in	
10:30-11:00		patients with chronic kidney disease	
PL-2	Ionel Mangalagiu	Multitarget azaheterocycles for anticancer and antimicrobial	
11:00-11:30		diseases	
PL-3	Aurelian Gulea	Design of molecules with strong anticancer properties	
11:30-12:00	LINCH		
12:00-14:00	LUNCH		
14.00-16:00	PLENARY Session		
	Moderators: Cristina M. Al-Matarneh, Tatiana Caraus		
PL-4	Fliur Macaev	Molecular diversity of ionic liquids: preparation of novel scaffolds	
14:00-14:30		and focused targets	
PL-5	Sergiu Coșeri	Nature to nano: the hidden role of cellulose in bioelectronics for	
14:30-15:00		personalized medicine	
PL-6	Veaceslav Kulciţki	Building form and function of terpenoids: the new age of free	
15:00-15:30		radical chemistry	
PL-7	Marcela Mihai	Polysaccharide based (bio)hybrid nanostructures	
15:30-16:00	G (C 1 1		
16:00-17:00	Coffee break		
16:00-17:00	POSTER Session		

17:00-18:00	KEYNOTES Session	
17.00-10.00	Moderators: Veaceslav Kı	ilcitki Silvia Melnic
KN-1	Cristina M. Al-Matarneh	Pyrrol-Sulfonamide Molecules: Small Size, Vast Possibilities
17:00-17:15		· ·
KN-2	Luminița Marin	Mesoporous chitosan nanofibers: an approach to wound dressings
17:15-17:30	·	
KN-3	Dinu Ţurcanu	Wearable biosensors for physiological and nutritional monitoring
17:30-17:45		in military contexts: comparative analysis of functionality, monitored parameters, and emerging directions
KN-4	Bogdan Agavriloaei	Romanian experience of Tolvaptan treatment in patients with rapid
17:45-18:00	Bogaan / Igavinoaei	progressive ADPKD
18:00	WELCOME Evening	
	T	uesday, November 11
08:30-09:00	Registration	
09.00-12.00	PLENARY Session	
DI O	Moderators: Ionel Manga	
PL-8 09:00-09.30	Tudor Lupașcu	Synthesis and application of new adsorptive nanomaterials for environmental protection and human health
PL-9	Valeria Harabagiu	Plastics: Intercorrelated effects on economics, environment, health
09:30-10:00	vaicha marabagia	Tradition investoristated effects on economics, on thomastic, neutral
PL-10	Viorica Gladchi	Self-purification processes in natural waters: ecochemical
10:00-10:30		mechanisms and environmental protection perspectives
PL-11	Veaceslav Ursaki	Aero-semiconductor materials: preparation, properties and
10:30-11:00		prospects for applications
PL-12	Maria Cazacu	2D Coordination polymers – a hybrid and more versatile alternative to layered inorganic materials
11:00-11:30 KN-5	Launt Malinta	Laboratorium
11:30-11:45	Ionuț Melinte	Laboratorium
WS-1	Victor Richeard	OF System
11:45-12:00		
	GROUP PHOTO	
12:00-14:00	LUNCH	
14.00-16.00	ORAL COMMUNICAT	IONS Session
	Moderators: Aculina Arîc	
OL-1	Elena-Daniela Lotos	Reusable zwitterionic ion-exchange resins for the removal of
14:00-14:15	2641 4 26 1	heavy metals from contaminated water
OL-2	Melinda-Maria	Hybrid nanostructures based on AMP-g-PAA as mediator for in situ gold nanoparticles
14:15-14:30 OL-3	Bazarghideanu Mioara Murariu	Mechanistic insights into the turn-Off/On fluorescence behavior of
14:30-14:45	IVIIOAIA IVIUIAIIU	a PEDOT—cyclodextrin supramolecular architecture toward metal
14.50-14.45		ions
OL-4	Raluca A. Septelean	Phospha(chalcogenoxo) phosphoranes, rich-electron building
14:45-15:00	C 7× =	blocks for new organometallic and coordination compounds
OL-5 15:00-15:15	Cezara Zăgrean-Tuza	Porphyrin is mightier than corrin: reactivity tales of two tetrapyrroles
OL-6	Natalia Bolocan	Thermodynamic insights into synergistic enhancement of drug
15:15-15:30	Tamin Dolovali	solubility
OL-7	Maria Stratan	The power of comprehensive genetic testing in one family case
15:30-15:45		
WS-2	Victor Richeard	OF System
15:45-16:00		

16:00-17:00	Coffee break	
16:00-17:00	POSTER Session	
16:00-17:00	WORKSHOP: Pipetting Excellence (Laboratory USMF, floor 6)	
17.00-18.00	PLENARY Session Moderators: Tudor Lupaş	cu. Ninel Revenco
PL-13 17:00-17:30	Olga Tagadiuc	Free radicals in health and disease
PL-14 17:30-18:00	Călin Deleanu	NMR lipidomics in medicine, molecular sciences and environment
18:00-18:30	Coffee break	
18:30-20:00	Mircea Dumitru &	Debate-Dialog "Despre Adevăr în Știință, Filosofie, Religie și Simțul
	Daniel David	comun"
	We	ednesday, November 12
08:30-09:00	Registration	
09.00-12.00	PLENARY Session	
	Moderators: Valeriu Cote	
PL-15 09:00-09:30	Rodica Sturza	Current food system problems and priority research directions in food science
PL-16 09:30-10:00	Roxana Ionete	From food security to forensic science: Stable isotopes (δ^{13} C, δ^{15} N) as tools for reconstructing diet and geographic provenance from human hair
PL-17 10:00-10:30	Aculina Arîcu	Terpene-heterocyclic hybrids as antimicrobial agents
KN-6 10:30-10:45	Nicoleta Chira	NMR spectroscopy as a tool in checking dairy foods for conformity: detecting the addition of oils and fats of non-dairy origin
KN-7 10:45-11:00	Liliana Cepoi	Optimized Porphyridium purpureum biomass as a source of reducing sugars for AgNPs biosynthesis
KN-8 11:00-11:15	Serghei Corcimaru	Soil microorganisms as indicators of soil pollution by POPs
KN-9 11:15-11:30	Rodica Siminiuc	Dietary patterns in Eastern Europe (2010–2022): Comparative FAOSTAT analysis and implications for non-communicable disease prevention
KN-10 11:30-11:45	Brînduşa Drăgoi	Bridging the gap between cancer research and clinical care with nanomedicine
KN-11 11:45-12:00	Adrian Creţu	ELTA90
12:00-14:00	LUNCH	
14.00-16.00	ORAL COMMUNICAT Moderators: Rodica Sturz	
OL-8 14:00-14:15	Marius Gheorghe Miricioiu	Unveiling wine provenance: a metabolomic and isotopic approach for discriminating neighboring vineyards
OL-9 14:15-14:30	Cătălin Duduianu	NMR insights in tomatoes degradation
OL-10 14:30-14:45	Diana Văluță	Cervical screening, PAP-test vs HPV: opportunities, and priorities
OL-11 14:45-15:00	Adela Stamati	Genotype-phenotype relationships in the management of children with dilated cardiomyopathy

OL-12	Larisa Mocanu	Optimization and kinetic evaluation of catechol degradation in
15:00-15:15		aqueous solutions using homogeneous processes
OL-13	Daniel Dmitriev	Caries risk assessment in children with congenital heart defects:
15:15-15:30		perspectives on oral and systemic health
OL-14	Veronica Dragancea	Potential toxicological hazards of different types of plastic
15:30-16:00		packaging
16:00-17:00	Coffee break	
16:00-17:00	POSTER Session	
16:00-17:30	WORKSHOP: Pipetting	g Excellence (Laboratory USMF, floor 6)
10.00		
19.00		a Garden Restaurant, Sala Panoramică, Bd. Decebal 16,
	Chișinău	
	1	hursday, November 13
00.20.00.00	D : / /	
08:30-09:00	Registration	
09:00-12:00	PLENARY Session	
DI 10		plae Buzatu, Liliana Cepoi
PL-18	Maria Puiu	Genomics as a driver of health development in Romania and Moldova
09:00-09:30	NT 4 1' TT 1	
PL-19	Natalia Ușurelu	Metabolomic research in diagnosis of Inborn Errors of Metabolism
09:30-10:00	A 1' NT' 1	NMD (1.1. 1.1. 1.1.
PL-20	Alina Nicolescu	NMR metabolomics in plants, animals and humans
10:00-10:30	T7 '11' D1''	
KN-12	Vasilica Plăiașu	Fusion of art, science and education: Kabuki phenotype
10:30-10:45		
KN-13	Ana-Maria Gheorghe	A clinical study involving serum irisin assays in post-menopause: blood markers correlates (project IRI-OP-OB)
10:45-11:00	T d D 1	
KN-14	Tatiana Raba	Diagnostic and therapeutic management of colonic papillomatosis associated with pediatric ulcerative colitis
11:00-11:15	4.1. D.	_
KN-15	Adrian Bartoş	Robotic surgery in hepato-bilio-pancreatic tumor pathology: indications, advantages and future perspectives in research field
11:15-11:30	Cuistina Dais as	Treatment of Upper Digestive Bleeding in Surgical Patients
KN-16 11:30-11:45	Cristina Pojoga	Treatment of Opper Digestive Bleeding in Surgical Patients
	I maior Coisson	DIO
KN-17 11:45-12:00	Lucian Cojocaru	BIOgenetiX
12:00-14:00	LUNCH	
12.00-14.00	LUNCII	
14:00-16:00	KEYNOTES Session	
14.00-10.00	Moderators: Marcela Mi	hai Fliur Macaev
KN-18	Mirela Zaltariov	Deep eutectic solvents – A green route in composite materials
14:00-14:15	THING ZARAHOV	The control of the composite materials
KN-19	Maria Gonța	Optimization of anionic surfactant removal using gallic acid-
14:15-14:30	1.121111 0011111	assisted fenton oxidation
KN-20	Ramona Danac	Design and synthesis of new (pyrrolo)indolizine derivatives as
14:30-14:45	Tamona Dana	potential anticancer agents
KN-21	Costel Moldoveanu	The cycloaddition of benzimidazolium ylides to alkynes: the
14:45-15:00	_ 55551 1.10140 , 04114	mechanism elucidation
KN-22	Mihaela Dascălu	Advancing the electromechanical performance of silicone
15:00-15:15		dielectric elastomers
KN-23	Simona Nica	Crystal engineering of azulene-based organic and metal-organic
15:15-15:30	~	cages
KN-24	Mihaela Florea	MXene-based catalysts for selective oxidation of methane at low
15:30-15:45	1,11114014 1 10104	temperatures
10.00-10.70	l	1 *

KN-25	Ahmed Dhifaoui	Jeol
15:45-16:00	C - M 1 1	
16:00-17:00	Coffee break	
16:00-17:30	POSTER Session	
18:00-20:00	Eveniment social	
	Opera "La Traviata"	
		t Theatre "Maria Biesu", 152 Stefan cel Mare and Sfint blvd.,
	Chisinau	
		Friday, November 14
08:30-09:00	Registration	
09:00-12:00	KEYNOTES Session	
	Moderators: Maria Cazac	ru, Olga Tagadiuc
KN-26	Viorica Bulgaru	Meat analogues: A sustainable solution for future food systems
09:00-09:15		
KN-27	Nikita Siminel	Fully inkjet-printed transition metal dichalcogenide FET
09:15-09:30		biosensors for express E. coli Detection
KN-28	Mariana Neamţu	Anti-glioblastoma activity and singlet oxygen generation of novel
09:30-09:45		imidazole-based tetrachloroferrates
OL-15	Natalia Sucman	Synthesis and cytotoxic evaluation of novel naphthoquinones as
09:45-10:00	G :	potential anticancer agents
OL-16	Cojocari Daniela	Microbiostatic activity of berry powders and extracts on microorganisms responsible for food spoilage
10:00-10:15	0.1.01	
OL-17 10:15-10:30	Garbuz Olga	Acaricidal efficacy of cobalt complex in beekeeping
OL-18	Nicolai Cupcea	The use of bioprotective yeasts to reduce sulfite consumption in
10:30-10:45	Micolal Cupcea	winemaking
OL-19	Petru Spătaru	Improvement of the water quality of the Bâc River using the
10:45-11:00	Terra Sparara	example of intensifying the process of purifying ammonia nitrogen
		in Chişinău MWWTP water
OL-20	Oleg Bogdevici	The study of Groundwater and Surface Water Interaction Using
11:00-11:15		Geochemical and Isotope Composition
OL-21	Alina Beşliu	Current concepts on the therapeutic potential of kaempferol-loaded
11:15-11:30		bionanocomposites in corneal regeneration
OL-22	Iulia Bozbei	Evaluation of total flavonoid content in Aronia melanocarpa
11:30-11:45	M'1 1 01	(Michx.) Elliot
OL-23	Mihaela Olaru	FTIR and nano-FTIR spectroscopic insights into the photochemical stability of silsesquioxane hybrid coatings on
11:45-12:00		archaeological ceramics
12:00-13:00	CONCLUSIONS	0
12:00-14:00	LUNCH	
17:00-20:00	Excursion	
17.00 20.00		nomic Complex "Kingdom of Wine", Cricova
		emy of Sciences of Moldova, 1, Ştefan cel Mare blvd.)
		nturday, November 15
09:00-10:00	Networking	
02.00 10.00	Laboratory Visit	
10:00-18:00	-	Orheiul Vechi" with traditional meal
10.00		emy of Sciences of Moldova, 1, Ştefan cel Mare blvd.)
	(Departure from the Acad	emy of Sciences of Moldova, 1, Ștefan cel Mare blvd.)

POSTER PRESENTATIONS

	Chemistry (C1)
PP1.1	Antimicrobial activity of Iron(III) complexes incorporating schiff base ligands
11.1	Olga Danilescu, ^{1, 2} Maria Cocu, ¹ Ion Bulhac ¹
	¹ Moldova State University, Institute of Chemistry, Chisinau, Republic of Moldova; ² Technical University of Moldova, Chisinau, Republic of Moldova
PP1.2	Synthesis and characterization of 3,4-dihydropyrimidin-2-ones with biological potential, in
	the presence of organic catalysts
	Natalia Ciobanu, Fliur Z. Macaev Moldona State University, Institute of Chamietry, Chicinay, Paryellia of Moldona
PP1.3	Moldova State University, Institute of Chemistry, Chisinau, Republic of Moldova Synthesis of new biologically active homodrimane sesquiterpenoids with phenothiazine
111.0	fragment
	Lidia Lungu, ¹ Alexandru Ciocârlan, ¹ Nicoleta Vornicu, ² Aculina Arîcu ¹
	¹ Moldova State University, Institute of Chemistry, Chisinau, Republic of Moldova; ² Metropolitan Center of
PP1.4	Research T.A.B.O.R., Iasi, Romania Synthesis of low molecular weight prenylated acylguanidine derivatives as prospective
rr1.4	antimicrobial agents
	Marina Grinco, Ana Popușoi, Valentin Gușilo, Alic Barba, Veaceslav Kulciţki
	Moldova State University, Institute of Chemistry, Chisinau, Republic of Moldova
PP1.5	Tuning the adsorptive properties of zinc-based MOFs through controlled synthesis conditions
	Silvia Melnic, ^{1,2} Dana Bejan, ³ Vadim Druţă, ¹ Sergiu Shova, ¹ Vasile Lozan ¹
	¹ Moldova State University, Institute of Chemistry, Chisinau, Republic of Moldova; ² "Nicolae Testemitanu" State University of Medicine and Pharmacy, Faculty of Pharmacy, Chisinau, Republic of Moldova; ³ "Petru
	Poni" Institute of Macromolecular Chemistry, Iasi, Romania
PP1.6	Quinoline Derivatives with Potential Antimicrobial Activity
	Violeta Mangalagiu, ² Vasilichia Antoci, ¹ Dorina Amariucai-Mantu, ¹ Ionel I. Mangalagiu ¹
	¹ Alexandru Ioan Cuza University of Iasi, Faculty of Chemistry, Iasi, Romania; ² Alexandru Ioan Cuza University of Iasi, CERNESIM Center, Iasi, Romania
PP1.7	Quantitative thermodynamic modeling of drug precipitation-dissolution in cyclodextrin-based
	multicomponent aqueous systems
	Natalia Bolocan, Oxana Spinu, Igor Povar
PP1.8	Moldova State University, Institute of Chemistry, Chisinau, Republic of Moldova 1H NMR studies of the interactions of three chromenol derivatives with Drew-Dickerson
FF1.8	dodecamer
	Elena Gorincioi, ¹ Marina Ceabanova, ¹ Primož Šket, ² Janez Plavec, ²⁻⁴ Fliur Macaev ¹
	¹ Moldova State University, Institute of Chemistry, Chisinau, Republic of Moldova; ² National Institute of
	Chemistry, Slovenian NMR Centre, Ljubljana, Slovenia; ³ University of Ljubljana, Faculty of Chemistry and Chemical Technology, Ljubljana, Slovenia; ⁴ Center of Excellence, EN-FIST, Ljubljana, Slovenia
PP1.9	Antiproliferative activity of a dinuclear Cu(II) complex with a cyclized carbohydrazone ligand
	Natalia Talmaci, ¹ Diana Dragancea, ^{1,2} Olga Garbuz, ³ Aurelian Gulea ⁴
	¹ Moldova State University, Institute of Chemistry, Chisinau, Republic of Moldova; ² "C. D. Nenitzescu"
	Institute of Organic and Supramolecular Chemistry of the Romanian Academy, Bucharest, Romania, ³ "Nicolae Testemițanu" State University of Medicine and Pharmacy, Chisinau, Republic of Moldova;
	⁴ Laboratory of Advanced Materials in Biopharmaceuticals and Technology, Institute of Chemistry, Moldova
	State University, Chisinau, Republic of Moldova
PP1.10	Quinoline functionalization for the obtaining of biologically useful compounds
	Ana-Maria Birgoanu, ¹ Claudiu Ticaleac, ¹ Cătălina Ciobanu, ² Ionel Mangalagiu, ¹ Costel Moldoveanu, ¹ Gheorghită Zbancioc ¹
	¹ ,Al. I. Cuza" University of Iaşi, Faculty of Chemistry, Iasi, Romania; ² ,Al. I. Cuza" University of Iaşi,
	CERNESIM Centre, Iasi, Romania
PP1.11	Synthesis, characterization and enzymatic activity enhancement of the heterobimetallic
	complex [CaL ₃][Co(NCS) ₄] on <i>Rhizopus arrhizus</i> CNMN FD 03
	<u>Dumitru Ureche</u> , ¹ Ion Bulhac, ¹ Alexandra Ciloci, ² Steliana Clapco ² ¹ Moldova State University, Institute of Chemistry, Chisinau, Republic of Moldova; ² Technical University of
	Moldova, Institute of Microbiology and Biotechnology, Chisinau, Republic of Moldova
PP1.12	Infrared spectroscopy of human urinary stones in Republic of Moldova
	Diana Shepel
PP1.13	Moldova State University, Institute of Chemistry, Chishinau, Republic of Moldova Spectrophotometric method for quantitative determination of the drug "Mabipan"
11113	Spectrophotometric method for quantitative determination of the drug wiadipan"
	Diana Shepel

PP1.14	Evaluation of antibacterial activity of 3d metal complexes with 1-(morpholin-4-yl)propane-
	1,2-dione 4-phenylthiosemicarbazone towards Staphylococcus aureus
	Ianina Graur, Vasilii Graur, Irina Usataia, Victor Tsapkov, Greta Balan, Graurius Graur, Graurius Graur, Graurius Grauri
	Carolina Lozan-Tirsu, ² Aurelian Gulea ¹ ¹ Moldova State University, Institute of Chemistry, Laboratory of Advanced Materials in Biopharmaceutics
	and Technics, Chisinau, Republic of Moldova; ² "Nicolae Testemițanu" State University of Medicine and
	Pharmacy, Department of Preventive Medicine, Chisinau, Republic of Moldova
PP1.15	Exploring the antifungal activity towards Candida albicans of copper(II) complexes with
	2-benzoylpyridine 4-norbornylthiosemicarbazone
	Vasilii Graur, Ianina Graur, Irina Usataia, Greta Balan, Carolina Lozan-Tirsu, Aurelian
	Gulea ¹
	¹ Moldova State University, Institute of Chemistry, Laboratory of Advanced Materials in Biopharmaceutics and Technics, Chisinau, Republic of Moldova; ² "Nicolae Testemițanu" State University of Medicine and
	Pharmacy, Department of Preventive Medicine, Chisinau, Republic of Moldova
PP1.16	Spectral studies on some dextran-iron oxide nanoparticle composites
	Ionut Radu Tigoianu, ¹ Anton Airinei, ¹ Carmen Gherasim, ¹ Tamara Potlog, ² Ion Lungu ²
	Petru Poni Institute of Macromolecular Chemistry, Laboratory of Physical Chemistry of Polymers, Iasi,
	Romania; ² Moldova State University, Laboratory of Organic/Inorganic Materials for Optoelectronics,
DD1 17	Chisinau, Republic of Moldova
PP1.17	HCl-induced opening of steroid epoxides: mechanism and products Natalia Sucman, Dmitri Bilan, Fliur Macaev
	Moldova State University, Institute of Chemistry, Chisinau, Moldova
PP1.18	Soluble nitrogen species in model of river or lake water samples as indicators of the state of
	the aquatic environment
	Alexandru Vișnevschi, <u>Petru Spătaru</u>
	Moldova State University, Institute of Chemistry, Chisinau, Moldova
PP1.19	The synthesis of triazolium salts 2h-chromene-2-ol
	Marina Ceabanova, Eugenia Stingaci, Fliur Macaev
PP1.20	Moldova State University, Institute of Chemistry, Chisinau, Republic of Moldova
PP1.20	Antioxidant co-action of wine polyphenols and organic acids <u>Crina Vicol</u> , Simona Nica, Gheorghe Duca, Marius Andruh ²
	¹ Moldova State University, Institute of Chemistry, Chisinau, Republic of Moldova; ² "C. D. Nenitzescu"
	Institute of Organic and Supramolecular Chemistry, Romanian Academy, Bucharest, Romania
PP1.21	New collagen-based membranes for glioblastoma treatment
	<u>Ileana Rău, ¹</u> Andreea Idu, ¹ Mădălina Albu Kaya, ² Nicoleta Radu ³
	¹ National University of Science and Technology POLITEHNICA Bucharest, Romania; ² INCDTP - Division
	Leather & Footwear Research Institute, Collagen Dept, Bucharest, Romania; ³ National Institute of Chemistry & Petrochemistry R&D Bucharest, Bucharest, Romania
PP1.22	Dihedral angles and conic projection under wave motion
	CI. Mitan, E. Bartha, MT. Caproiu, C. Draghici, C. Deleanu Petru Filip, Robert M.
	Moriarty ²
	¹ "C. D. Nenitescu" Institute of Organic and Supramolecular Chemistry, Bucharest, Roumania; ² University
DD1 44	of Illinois at Chicago, Illinois, Chicago, USA
PP1.23	Reduced forms of oxygen and their role in the redox-catalytic reactions in vivo Gheorghe Duca, Lidia Romanciuc, Olga Covaliova
	Moldova State University, Institute of Chemistry, Chisinau, Republic of Moldova
PP1.24	Oxidative polymerization of ortho-phenylenediamine and 1,4-benzenediol: A route to nano-
	sized oligomers
	Ramil Rzayev, 1,2,3 Ion Geru, 1 Natalia Sucman, 1 Bakhtiyar A. Mammadov, 3 Elvin Ibadov, 3 Fliur
	Macaev ¹
	¹ Moldova State University, Institute of Chemistry, Chisinau, Republic of Moldova; ² Baku Engineering
	University, Department of Chemical Engineering, Baku, Absheron, Azerbaijan Republic; ³ Azerbaijan
PP1.25	National Academy of Sciences, Institute of Polymer Materials, Sumgait, Azerbaijan Republic DFT study of photoswitching systems based on fluorescent azulenyl-substituted
111,40	dithienylcyclopentenes
	Iolanta Balan, Petru Filip, Marius Andruh, Gheorghe Duca, Simona Nica ²
	¹ Moldova State University, Institute of Chemistry, Chişinău, Republic of MoldovaM; ² "C. D. Nenitzescu"
	Institute of Organic and Supramolecular Chemistry, Bucharest, Romania
PP1.26	Copper(II) complexes of syn-2-pyridinealdoxime ligand for prospective biological applications
	Eduard Coropceanu, Aliona Vitiu, Polina Bouros,
	1"Ion Changes" State Dedagogical University of Chining Institute for Describe Institute of the Describe Institute of the Description of the Institute of the Description of the Institute of the
	¹ "Ion Creanga" State Pedagogical University of Chisinau, Institute for Research, Innovation and Technology Transfer, Chisinau, Republic of Moldova; ² Moldova State University, Institute of Applied

	¹ Moldova State University, Institute of Chemistry, Laboratory of "Advanced Materials in Biopharmaceutics
	Aliona Pîntea, ¹ Roman Rusnac, ¹ Olga Garbuz, ² Aurelian Gulea ¹
	thiosemicarbazones 2-formyl pyridines as inhibitors of cancer cell proliferation
PP1.36	Macromolecular Chemistry, Iasi, Romania; ³ Institute of Physics PAS, Warszawa, Poland Coordination copper(II) compounds based on ortho- and para-methoxyphenyl
	¹ Moldova State University, Institute of Chemistry, Chisinău, Republic of Moldova; ² "Petru Poni" Institute of
	Viorina Gorinchoy, ¹ G. Roman, ² Sergiu Shova, ² N. Nedelko, ³ Vasile Lozan ¹
rr1.33	Synthesis, crystal structure and characterization of cobalt(II) coordination polymer derived from a 1,2,3-triazole-based tricarboxylate ligand
PP1.35	"Petru Poni" Institute of Macromolecular Chemistry, Department of Inorganic Polymers, Iasi, Romania Synthesis, arrestal structure and characterization of cabalt(II) coordination polymer derived
	Alexandru-Constantin Stoica, Madalin Damoc, Mihaela Dascalu, Maria Cazacu
	derived cobalt complexes
PP1.34	Experimental and theoretical approaches to the biological activity of some Schiff bases and
	Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Romania
	Balazs Brem, Emese Gal, Adrian Nicoara, Castelia Cristea, Luminita Silaghi-Dumitrescu, Evamarie-Hey-Hawkins, Luiza Gaina
PP1.33	Conjugated platinum(IV) complexes, potential prodrugs in cancer therapy
DD4 22	Macromolecular Chemistry, Iasi, Romania
	¹ University of Vienna, Institute of Inorganic Chemistry, Vienna, Austria; ² "Petru Poni" Institute of
	Shova, Maria Cazacu, Vladimir B. Arion ^{1,2}
	Christopher Wittmann, Oleg Palamarciuc, Mihaela Balan-Porcarasu, Mihaela Dascalu, Sergiu
PP1.32	Zn(II) and Cu(II) complexes with a TMS-substituted indolo[2,3-c]quinoline Schiff Base – properties and cytotoxicity
DD1 22	Chemistry and Chemical Engineering, Cluj-Napoca, România
	Babeş-Bolyai University, Research Center on Fundamental and Applied Heterochemistry, Faculty of
	Luiza Ioana Găina, Radu Silaghi-Dumitrescu
	Emese Gal, Nicoleta Andrian, Cezara Zagrean-Tuza, Maria Lehene, Balázs Brem, Bianca Stoean,
111.31	based approach
PP1.31	of Systematics and Molecular Phylogenetics, Chisinau, Republic of Moldova Synthesis and biological activity of novel coumarin and flavonoid derivatives: a structure-
	and Technics, Chisinau, Republic of Moldova; ² Moldova State University, Institute of Zoology, Laboratory
	¹ Moldova State University, Institute of Chemistry, Laboratory of Advanced Materials in Biopharmaceutics
	Irina Usataia, ¹ Vasilii Graur, ¹ Ianina Graur, ¹ Garbuz Olga, ² Aurelian Gulea ¹
111.50	allyl-S-methylisothiosemicarbazone
PP1.30	Organic and Supramolecular Chemistry, Bucharest, Romania Selective anticancer activity of mixed-ligand copper(II) complexes with salicylaldehyde 4-
	³ "Petru Poni" Institute of Macromolecular Chemistry, Iaşi, România; ⁴ "Costin D. Nenițescu" Institute of
	University, Institute of Genetics, Physiology and Plant Protection, Chişinău, Republic of Moldova
	¹ Moldova State University, Institute of Chemistry, Chişinău, Republic of Moldova; ² Moldova State
	Kulcitki ¹
	NMR and HPLC data Adrian Topală, Alic Barba, Zinaida Balmuş, Alina Nicolescu, Călin Deleanu, 4.4 Veaceslav
PP1.29	Quantitative determination of rosmarinic acids in oregano extracts. A comparative study of
DD4 40	Supramolecular Chemistry, Bucharest, Romania
	Macromolecular Chemistry, Iași, România; ³ "Costin D. Nenițescu" Institute of Organic and
	Adrian Topaia, <u>Viadricia Girou</u> , Afrika Nicolescu, Canni Defeanu, Veacesiav Kulci,ki ¹ Moldova State University, Institute of Chemistry, Chişinău, Republic of Moldova; ² "Petru Poni" Institute of
	HPLC data Adrian Topală, ¹ Vladilena Gîrbu, ¹ Alina Nicolescu, ² Călin Deleanu, ^{2,3} Veaceslav Kulciţki ¹
PP1.28	Determination of rosmarinic acid in salvia species. Comparison of quantitative NMR and
	Organic and Supramolecular Chemistry, Bucharest, Romania
	4"Petru Poni" Institute of Macromolecular Chemistry, Iaşi, România; 5"Costin D. Nenițescu" Institute of
	State University of Medicine and Pharmacy, Department of Preventive Medicine, Chisinau, Republic of Moldova; ³ IMSP Institute of Mother and Child, Chisinau, Republic of Moldova;
	¹ Moldova State University, Institute of Chemistry, Chişinău, Republic of Moldova; ² "Nicolae Testemițanu"
	Alina Nicolescu, ⁴ Calin Deleanu ^{4,5}
	depending on NMR probe and magnet power Vladilena Gîrbu, ¹ Adina Organ, ² Alexandr Dorif, ³ Alic Barbă, ¹ <u>Veaceslav Kulcitki</u> , ¹

PP1.37	Novel Aminonaphtochinone Mannich bases Derived from Lawsone induce Cell Death on
111.07	Human Malignant Melanoma Cell Line A375 by Apoptosis and/or Necrosis
	Danil Feldman, ¹ Elena Gorincioi, ¹ Dmitri Bilan, ¹ Nicoleta Elena Dina, ² Maria Suciu, ³
	Andrea Simion, ² Natalia Sucman, ¹ Fliur Macaev ¹
	¹ Moldova State University, Institute of Chemistry, Chisinau, Republic of Moldova; ² National Institute for
	Research and Development of Isotopic and Molecular Technologies, Department of Isotopic and Molecular
	Technologies (TIM), Cluj-Napoca, Romania; ³ National Institute for Research and Development of Isotopic
	and Molecular Technologies, Department of Isotopic and Molecular Technologies (TIM), Microbiology and
DD1 20	Cell Biology Laboratory, Cluj-Napoca, Romania
PP1.38	Synthesis, characterization and biological activity of novel platinum(IV) complexes with fatty
	acids
	Melinda Gal, Luiza Găină, Emese Gal, Maria Lehene, Cezara Zăgrean-Tuza, Radu Silaghi-
	Dumitrescu, Evamarie Hey-Hawkins
PP1.39	Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Romania From platinum to ruthenium: New chemical and clinical frontiers in ovarian cancer
FF1.39	treatment
	Adelina Maria Buţincu, ^{1,3} Sonia Nicorici ^{2,3}
	1"Grigore T. Popa" University of Medicine and Pharmacy, Faculty of Medicine, Iaşi, Romania;
	² "Grigore Ghica" National College, Chemistry Departament, Dorohoi, Romania; ³ "Alexandru Ioan Cuza"
	University, Faculty of Chemistry, Iași Romania
PP1.40	Development and characterization of new platinum(IV) complexes with nicotinic acid:
	synthesis, structural insights, computational studies and electrochemical properties
	Bianca Vasile, Luiza Găină, Emese Gal, Maria Lehene, Cezara Zăgrean-Tuza, Adrian Nicoară,
	Radu Silaghi-Dumitrescu, Evamarie Hey-Hawkins
	Babes-Bolyai University, Research Center on Fundamental and Applied Heterochemistry, Faculty of
	Chemistry and Chemical Engineering, Cluj-Napoca, Romania
PP1.41	Experimental research on testing the sensitivity of indicator tubes for the detection of
	chemical warfare agents
	Nicoleta Petrea, 1 Raluca Elena Ginghină, 1 Liliana Rece, 1 Rodica Lungu, 1 Alexandru Bobeș-
	Tureac, Vasile Şomoghi, Aurel Pop ²
	¹ Research and Innovation Center for CBRN Defense and Ecology (CCIACBRNE), Bucharest, Romania; ²
PP1.42	STIMPEX SA, Bucharest, Romania Design, synthesis, and characterization of novel pyrrole—terpenic hybrids
FF1.42	Natalia Simionescu, Ashraf Al-Matarneh, Ana Popușoi, Alina Nicolescu, Veaceslav Kulciţki,
	Cristina M. Al-Matarneh ¹
	¹ Center of Advanced Research in Bionanoconjugates and Biopolymers, "Petru Poni" Institute of
	Macromolecular Chemistry of Romanian Academy, Iasi, Romania; ² Alexandru Ioan Cuza University of Iasi,
	Faculty of Chemistry, Iasi, Romania; ³ Moldova State University, Institute of Chemistry, Chişinău, Republic
	of Moldova; 4"Petru Poni" Institute of Macromolecular Chemistry of Romanian Academy, NMR
DD4 42	Laboratory, Iasi, Romania
PP1.43	Synthesis of copper(II) coordination compounds with sulfanilamides and
	thiosemicarbonazone 2,4-dihydroxybenzaldehyde with antioxidative activity
	Maria Bîrcă, Olga Garbuz, Victor Țapcov, Aliona Cotovaia, Aurelian Gulea, Alexandra Raneţchi Moldova State University, Laboratory of Advanced Materials in Biofarmaceutics and Technics, Chişinău,
	Republic of Moldova
PP1.44	The biological relevance of Pt(IV) prodrugs with specific axial ligands
	Nicoleta Andrian, ¹ Bianca Stoean, ¹ Melinda-Eva Gal, ¹ Balazs Brem, ¹ Evamarie Hey-Hawkins, ¹ , ²
	Radu Silaghi-Dumitrescu ¹
	¹ Babeş-Bolyai University, Department of Chemistry, Cluj-Napoca, Romania; ² Universität Leipzig, Institute
	of Bioanalytical Chemistry, Faculty of Chemistry and Mineralogy, BBZ, Leipzig, Germany
PP1.45	Antioxidant properties of coordination compounds of Cu(II) and Bi(III) with
	aminopolycarboxylate and 2-formylpyridine 4-phenylthiosemicarbazone ligands
	Elena Neguta, 1,2 Olga Garbuz, 3 Aurelian Gulea, 1 Ion Bulimestru 1
	¹ Moldova State University, Faculty of Chemistry and Chemical Technology, Chisinau, Republic of Moldova;
	² Moldova State University, Institute of Chemistry, Chisinau, Republic of Moldova; ³ Moldova State
DD1 47	University, Institute of Zoology, Chisinau, Republic of Moldova
PP1.46	Personal kit for immediate decontamination
	Vasile Somoghi, Marcel Istrate, Cătălin Enescu, Nicoleta Petrea, Liliana Rece, Alexandru
	Bobeș-Tureac ¹ ¹ STIMPEX SA, Bucharest, Romania; ² Research and Innovation Center for CBRN Defense and Ecology
	(CCIACBRNE), Bucharest, Romania
	(COLITODIUID), DUCIMI OSI, ITOIMIMI

PP1.49 **Oppert[II] complex with a redox-noninnocent Schiff base: synthesis, structure and catalytic oxidation of cyclobexane Christopher Wittmann.** Oleg Palamarcine.** Minacla Dascalu.** Maria Cazacu.** Dmytro S. Nesterov.** Armando. I. L. Pombeiro.** Peter Rapta.** Vladimir B. Arion!** "University of Vienna, Institute of Inorganic Chemistry, Isir Roman.** Minacla Macronolecular Chemistry. Isir Romania.** Wholdway State University, Offsinian, Republic of Moldowa; "Institute Politecinco de Lisboa, Instituto Superior Teenco.** Lisboa, Instituto Superior Teenco.** Lisboa, Instituto Superior Teenco.** Lisboa, Portugal.** Universidade de Lisboa, Instituto Superior Teenco.** Lisboa, Portugal.** Universidade de Lisboa, Instituto Superior Teenco.** Lisboa, Portugal.** Universidade de Raptislows, Showk Republic.** **P1.48** Maria Lehene.** Cezara Zagrean-Tuza, Radu Silaghi-Dumitrescu Babes-Bolyau University. Paparament of Chemistry Gul-Mapaca, Romania **P1.49** Spectroscopic evaluation of the interaction of Myoglobin with biomedically relevant compounds **Alexandru Minzat, Nicoleta Andrian, Cezara Zágrean-Tuza, Radu Silaghi-Dumitrescu Babes-Bolyau University. Faculy of Chemistry and Chemical Engineering, Department of Chemistry. Chinapoca, Romania **Perparation of cinchonine-carboxylic acid co-crystals through a charge-assisted hydrogen bonding assembly process **Mina Deleanua, Sergiu Shova,** Alina Nicolescu,** Florina Dumitru** **Costin D. Nemicacu** Institute of Organic and Supramolecular Chemistry, Romanian Academy, Bucharest, Romania,** *Palamace pagoda tree (Saphona japonica L.)** growing in Moldowa as a source of bio-organic compounds **Alexandru Ciccarlan,** Lidia Langu.** Aculina Aricu.** Ion Dragalin,** Grigoras Carolina,** Gonta Maria,** Jaga Zinicovscaia** Amaria,** Aculina Aricu.** Ion Dragalin,** Grigoras Carolina,** Gonta Husbato Andrea,** University, Chistiana Republic of Moldowa,** *Moldowa State University, Chistiana Maria,** Jaga Zinicovscaia** *Moldowa** State University, Orient Institute		
Christopher Wittmann, 'Oleg Palamarcine, 3' Mihaela Dascalu,' Maria Cazacu,' Dmytro S. Nesterov, 'A tranualo J. L. Pomberio,' Peter Rappa, 'Vladimir B. Arion.' "University of Vienna. Institute of Inorganic Chemistry, Ist. B. Arion.' "University of Vienna. Institute of Inorganic Chemistry, Vienna. Austria: "Peter voni" Institute of Macromolecular Chemistry, Institute Politicenico de Lisboa, Instituto Naperior de Engoharia de Lisboa, Portugal: "Universidade de Lisboa, Instituto Superior Técnico, Lisboa, Portugal: "Slovak University of Technology in Bratislava, Breatslava, Slovak Republic PP1.48 Reactivity of Vitamin Big and related compounds with small molecules Maria Lehene, Cezara Zagrean-Tuza, Radu Silaghi-Dumitrescu Maria Lehene, Cezara Zagrean-Tuza, Radu Silaghi-Dumitrescu Alexandra Manzal, Nicoleta Andrian, Cezara Zügrean-Tuza, Radu Silaghi-Dumitrescu Indeps-Bolyai, University, Pezaulty of Chemistry and Chemical Ingineering, Department of Chemistry, Chij-Napoca, Romania PP1.59 Preparation of cinchonine-carboxylic acid co-crystals through a charge-assisted hydrogen bonding assembly process Miha Deleanu, Sergiu Shova, Alina Nicolescu, 1-2 Florina Dumitru' 1"Costin D. Nenisceu" Institute of Organic and Supramolecular Chemistry, Romanian Academy, Bucharest, Romania: "Petera Poni" Institute of Macromolecular Chemistry, Romanian Academy, Isai, Romania: "Potera Poni" Institute of Macromolecular Chemistry, Romanian Academy, Isai, Romania: Alexandru Ciocarlan, Lidia Lungu, 'Aculina Aricu,' Ion Dragalin,' Grigorus Carolina,' Gonta Maria,' Inga Zinicovscaia' Moldova State University, Chesima, Republic of Moldova; 'Moldova State University, Chesima, Republic of Moldova; 'Protect Propunchemical Sciences and Department of Chemistry, Bucharest, Romania; 'Brodany, Alica, Alica	PP1.47	
Nesterov, Armando J. L. Pombeiro, Peter Rapta, Vladimir B. Arion 1-2 **University of Vienna, Institute of Inorganic Chemistry, Vienna, Austrai, **Petru Poni** Institute of Macromolecular Chemistry, Iasi, Romania, **Moldova State University, Chisindu, Republic of Moldova, **Instituto Policienico de Isboa, Instituto Superior Técnico, Lisboa, Portugal; **Slovak University of Technology in Bratislava, Showk Republic PP1.48 **Reactivity of Vitamin Br. and related compounds with small molecules **Maria Lehene, Cezara Zagreran-Tuza, Radu Silaghi-Dumitrescu **Rebey-Robyat University, Department of Chemistry, Chyl-Nopoca, Romania **Peter Cezara Zagreran-Tuza, Radu Silaghi-Dumitrescu **Robey-Robyat University, Pepartment of Chemistry, Chyl-Nopoca, Romania **Peter Cerara Zagreran-Tuza, Radu Silaghi-Dumitrescu **Robey-Robyat University, Pepartment of Chemistry and Chemical Engineering, Department of Chemistry, Clyl-Nopoca, Romania **Peter Peparation of cinchonine-carboxylic acid co-crystals through a charge-assisted hydrogen **bonding assembly process **Mihai Deleanu** Sergiu Shova, **Alina Nicolescu, 1-2 Florina Dumitru** **Perparation of cinchonine-carboxylic acid co-crystals through a charge-assisted hydrogen **bonding assembly process **Mihai Deleanu** Sergiu Shova, **Alina Nicolescu, 1-2 Florina Dumitru** **Perparation of cinchonine-carboxylic acid co-crystals through a charge-assisted hydrogen **bonding assembly process **Mihai Deleanu** Pom** Institute of Macromolecular Chemistry, Romanian Academy, Bucharest, **Romania** Sergiu Shova, Alina Nicolescu, 1-2 Florina Dumitru** **Perparation of cinchonine-carboxylic acid co-crystals through a charge, Isomania Academy, Isomania **National University of Science and Technology Politehnica Bucharest, Bonaniai, National University of Science and Technology Politehnica Bucharest, Bucharest, Bonaniai **National University of Science and Technology Politehnica Bucharest, Bucharest, Commina, Solator, State University, Chisinau, Republic of Moldova State Univ		Christopher Wittmann, Oleg Palamarciuc, 3 Mihaela Dascalu, Maria Cazacu, Dmytro S.
Macromolecular Chemistry, Iasi, Romania; *Moldow State University, Chispian, Republic of Moldowa; *Instituto Politecine de Lisboa, Instituto Superior Técnico, Lisboa, Portugal; *Slovak University of Technology in Bratislava, Struk Republic Bratislava, Struk Republic Parasitava, Struk Parasitava, Struk Republic Parasitava, Struk Parasi		Nesterov, ⁴ Armando J. L. Pombeiro, ⁵ Peter Rapta, ⁶ Vladimir B. Arion ^{1,2}
#Instituto Politicenico de Lisboa, Instituto Superior de Engebaria de Lisboa, Portugal: *University of Technology in Bratislava, Brasilsva, Slovak Republic PP1.48 Reactivity of Vistamia Bi; and related compounds with small molecules Maria Lehene, Cezara Zagrean-Tuza, Radu Silaghi-Dumitrescu Babey-Bolyal University, Department of Chemistry, Clay-Napoca, Romania Spectroscopic evaluation of the interaction of Myoglobin with biomedically relevant compounds Alexandra Mānzat, Nicoleta Andrian, Cezara Zāgrean-Tuza, Radu Silaghi-Dumitrescu Babey-Bolyal University, Faculty of Chemistry and Chemical Engineering, Department of Chemistry, Clay-Napoca, Romania PP1.50 Preparation of cinchonin-carboxylic acid co-crystals through a charge-assisted hydrogen bonding assembly process Mihai Deleanu. Sergiu Shova; Alina Nicolescu. Florina Dumitru? Preparation of cinchonin-carboxylic acid co-crystals through a charge-assisted hydrogen bonding assembly process Mihai Deleanu. Sergiu Shova; Alina Nicolescu. Florina Dumitru? Prosini D. Nominescu. Institute of Mogranic and Supramolecular Chemistry, Romanian Academy, Bucharest, Romania; "Petru Poni" Institute of Mogranmolecular Chemistry, Romanian Academy, Bucharest, Romania; "Petru Poni" Institute of Mogranmolecular Chemistry, Romanian Academy, Bucharest, Romania; "Inga Zimicovscaia." PP1.51 Japanese pagoda tree (Sophora japonica L.) growing in Moldova as a source of bio-organic compounds Alexandru Ciocarlan. Lidia Lungu. Aculina Aricu. I fon Dragalin., Grigoras Carolina, Gonta Maria, Inga Zimicovscaia.* *Moldova State University, Institute of Chemistry, Chisinau, Republic of Moldova: "Moldova State University, Chisinau, Republic of Moldova: Alexandru Ciocarlan." Maria Grigoras Carolina, Anno Alexandru Ciocarlan. Alexandru Ciocarlan. Alexandru Ciocarlan. Alexandru Ciocarlan. Alexandru Ciocarlan. Alexandru Ciocarda. PP1.52 Characterization of some metal phthalocyanines using transient absorption spectroscopy on unut Radu Tigojanu. Annota Arimine, I Carmen Gherasin., Min		¹ University of Vienna, Institute of Inorganic Chemistry, Vienna, Austria; ² "Petru Poni" Institute of Macromolecular Chemistry, Iasi, Romania; ³ Moldova State University, Chisingu Republic of Moldova;
Lishoa, Instituto Superior Técnico, Lishoa, Portugal; "Slovak University of Technology in Bratislava, Bratislava, Stock Republic PP1.48 Reactivity of Vitamin By, and related compounds with small molecules Babey-Bolyat University, Department of Chemistry, Clay-Napoca, Romania Robey-Bolyat University, Department of Chemistry, Clay-Napoca, Romania Spectroscopic evaluation of the interaction of Myoglobin with biomedically relevant compounds Alexandra Mânzat, Nicoleta Andrian, Cezara Zágrean-Tuza, Radu Silaghi-Dumitrescu Babey-Bolyat, University, Faculty of Chemistry and Chemical Engineering, Department of Chemistry, Clay-Napoca, Romania Preparation of cinchonine-carboxylic acid co-crystals through a charge-assisted hydrogen bonding assembly process Mihai Deleanul; Sergiu Shova; Alina Nicolescu. 12 Florina Dumitru "Costin D. Nentecus" Institute of Organic and Supramolecular Chemistry, Romanian Academy, Bucharest, Romania: "Peru Poni" Institute of Alexandrocustic Chemistry, Romanian Academy, Isasi, Romania: "National University of Science and Technology Foliebinia Bucherst, Bucharest, Romania Prist Poni" Institute of Alexandru Cincarlan, Lidia Lungu, Aculina Aricu, Ion Dragalin, Grigoras Carolina, Gonta Maria, Inga Zinicovscaia, Alexandru Cincarlan, Lidia Lungu, Aculina Aricu, Ion Dragalin, Grigoras Carolina, Gonta Maria, Inga Zinicovscaia, Alexandru Cincarlan, Institute of Chemistry, Chistina, Republic of Moldova; Moldova State University, Institute of Chemistry, Chistina, Republic of Moldova; Moldova State University, Chistina, Republic of Moldova; Moldova State University, Chistina, Republic of Moldova; Moldova State University, Chistina, Republic of Moldova; Perur Poni Institute of Macromolecular Chemistry, Physical Chemistry of Polymers Laborators Perur Poni Institute of Macromolecular Chemistry, Physical Chemistry of Polymers Caborators, Perur Poni Institute of Macromolecular Chemistry, Chistina, Republic of Moldova; "Perur Poni" Institute of Chemistry, University, Chistina, Republ		
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PP1.51 Romania; ^{2*} Petru Poni* Institute of Macromolecular Chemistry, Romanian Academy, Itasi, Romania; ³ National University of Science and Technology Politehnica Bucharest, Bucharest, Romania Japanese pagoda tree (Sophora Japonica L.) growing in Moldova as a source of bio-organic compounds Alexandru Ciocarlan, ¹ Lidia Lungu, ¹ Aculina Aricu, ¹ Ion Dragalin, ¹ Grigoras Carolina, ² Gonta Maria, ² Inga Zinicovscaia, ³⁴ ^{1*} Moldova State University, Institute of Chemistry, Chisinau, Republic of Moldova; ³ Moldova State University, Chisinau, Republic of Moldova; ³ Joint Institute for Nuclear Research, Dudna, Russia; ⁴ Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering, Bucharest, Romania Polica Characterization of some metal phthalocyanines using transient absorption spectroscapical Characterization of some metal phthalocyanines using transient absorption spectroscapical Characterization of some metal phthalocyanines using transient absorption spectroscapical Characterization of some metal phthalocyanines using transient absorption spectroscapical Characterization of some metal phthalocyanines using transient absorption spectroscapical Characterization of some metal phthalocyanines using transient absorption spectroscapical Characterization of some metal phthalocyanines using transient absorption spectroscapical Petru Poni Institute of Augustian State University, Caracterian Chemistry, Physical Chemistry of Polymers Laboratory, Iasi, Romania; Bowling Green State University, Center for Photochemical Sciences and Department of Optoelectronics, Chisinau, Republic of Moldova; Politecnico di Milano, Physics Department, Milano, Italy PP1.53 Structural diversity of Sclareol degradation products and their medicinal chemistry potential Marina Grinco, Ana Popusoi, I Valdilena Girbo; Cristina M. Al-Matanach, Veaceslav Kulcitidi Moldova State University of Moldova; Viscolae Testemitanu State University of Medicine and Pharmaceutics, Chair of Medicine and Pharmaceutics, Chair		
PP1.51 Japanese pagoda tree (Sophora japonica L.) growing in Moldova as a source of bio-organic compounds Alexandru Ciocarlan,¹ Lidia Lungu,¹ Aculina Aricu,¹ Ion Dragalin,¹ Grigoras Carolina,² Gonta Maria,² Inga Zinicovscaia³⁴ ¹Moldova State University, Institute of Chemistry, Chisinau, Republic of Moldova; ²Moldova State University, Chisinau, Republic of Moldova; ¹Mondova State University, Canter Gherasim,¹ Mihaela Avadanci,¹ Mirela Fernanda Zaltariov,¹ Mykhailo Bondarchuk,² Alexander Tarnovsky,² Tamara Potlog,³ Giulio Cerullo,⁴ Edoardo Carraro⁴ ¹Petru Pomi Institute of Macromolecular Chemistry, Physical Chemistry of Polymers Laboratory, Iasi, Romania; ¹Bowling Green State University, Center for Photochemical Sciences and Department of Chemistry, USA; ¹Moldova State University, Laboratory of OrganicInorganic Materials for Optoelectronics, Chisinau, Republic of Moldova; ¹Politecnico di Milano, Physics Department Milano, Italy 'Moldova State University, Institute of Moldova; ¹Politecnico di Milano, Physics Department Milano, Italy 'Moldova State University, Institute of Chemistry, Chişindu, Republic of Moldova; ²Petru Poni' Institute of Macromolecular Chemistry, Institute of Chemistry, Chişindu, Republic of Moldova; ²Petru Poni' Institute of Macromolecular Chemistry, Institute of Medicine and Pharmaceutics, Chair of indical anatomy, Chisinau, Republic of Moldova; ¹Nicolae Testemitanu State University of Medicine and Pharmaceutics, Chair of biochemistry, Chisinau, Mepublic of Moldova; ¹Nicolae Testemitanu State University of Medicine and Pharmaceutics, Chair of biochemistry, Chisinau, Republic of Moldova; ¹Nicolae Testemitanu State University of Bucharest Pough, Pharmaceutics, Chair of biochemistry, Chisinau, Republic of Moldova; ¹Nicolae Testemitanu State University of Bucharest Pough, Bucharest, Romania; ¹Nicolae Testemitanu State Univer		Romania; ² "Petru Poni" Institute of Macromolecular Chemistry, Romanian Academy, Iasi, Romania;
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PP1.53 Chemistry, USA; ³ Moldova State University, Laboratory of Organic/Inorganic Materials for Optoelectronics, Chisinau, Republic of Moldova; ⁴ Politecnico di Milano, Physics Department, Milano, Italy Structural diversity of sclareol degradation products and their medicinal chemistry potential Marina Grinco, ¹ Ana Popusoi, ¹ Vladilena Gîrbu, ¹ Cristina M. Al-Matarneh, ² Veaceslav Kulcitki ¹ Moldova State University, Institute of Chemistry, Chişinäu, Republic of Moldova; ² "Petru Poni" Institute of Macromolecular Chemistry, Iasi, Romania **Medicine** (C2) PP2.1 The biochemical pathways that lead to illicit drugs-induced stroke Dan Croitoru, ¹ Ecaterina Pavlovschi, ² Sergiu Vişnveschi, ¹ ¹ Nicolae Testemitanu State University of Medicine and Pharmaceutics, Chair of anatomy and clinical anatomy, Chisinau, Republic of Moldova; ² Nicolae Testemitanu State University of Medicine and Pharmaceutics, Chair of biochemistry and clinical biochemistry, Chisinau, Republic of Moldova PP2.2 Curcuma longa extracts optimized for wound care: antioxidant, antimicrobial, antibiofilm, anti-inflammatory and selective cytotoxic activity Diana-Mādālina Gāboreanu, ^{1,2,3} Ioana Cristina Marinas, ² Irina Elisabeta Geana, ⁴ Coralia Bleotu, ⁵ Alice-Ștefania Şerbănoiu, ¹ Bogdan Ispas, ^{1,2} Andreea-Maria Pindaru, ^{1,2} Mariana Carmen Chifiriuc ^{1,2} ¹ University of Bucharest, Faculty of Biology, Botany and Microbiology, Bucharest, Romania; ² Research Institute of the University of Bucharest-ICUB, Bucharest, Romania; ³ National Institute of Revench and Development Institute for Cryogenics and Isotopic Technologies, Ramnicu Valcea, Romania; ⁵ Stefan S. Nicolau Institute of Virology, Department of Cellular and Molecular Pathology, Bucharest, Romania PP2.3 Biochemical interactions of the gut-brain-axis in the first 1000 days of child development Victoria Cepraga, ¹ Livia Bogonovschi, ¹ Olesea Grin, ^{1,2} Diana Cojocari, ¹ Svetlana Hadjiu, ^{1,2} Ninel Revenco ^{1,2} ¹ Nicolae Testemitanu "State U		
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Revenco ^{1,2} ¹ , Nicolae Testemitanu"State University of Medicine and Pharmacy, Department of Pediatrics, Chisinau,	PP2.3	
¹ , Nicolae Testemitanu"State University of Medicine and Pharmacy, Department of Pediatrics, Chisinau,		
Republic of Moldova; ² Mother and Child Institute, Chisinau, Republic of Moldova		Republic of Moldova; ² Mother and Child Institute, Chisinau, Republic of Moldova

PP2.4	Immunogenetic associations in axial involvement of juvenile idiopathic arthritis: A meta- analysis
	Grin Olesea, ^{1,2} Foca Silvia Gabriela, ² Revenco Ninel ^{1,2} ¹ "Nicolae Testemitanu" State University of Medicine and Pharmacy of the Republic of Moldova; ² Institute of Mother and Child, Chişinău, Republica Moldova
PP2.5	The choice of the optimal composition of hard capsules with Dioxoindolinone
	<u>Tatiana Ștefaneț.</u> ^{1,2} Eugenia Stîngaci, ³ Fliur Macaev, ^{2,3} Vadimir Valica ^{1,2} ¹ Nicolae Testemițanu State University of Medicine and Pharmacy, Department of Pharmaceutical Chemistry, Chișinău, Republic of Moldova; ² Nicolae Testemițanu State University of Medicine and Pharmacy, Drug Devolopment Center, Chișinău, Republic of Moldova; ³ Institute of Chemistry, Moldova
	State University, Organic Synthesis Laboratory, Chişinău, Republic of Moldova
PP2.6	Evaluation of complexometric titration and atomic absorption spectroscopy in the assay of
	magnesium aspartate Ecaterina Mazur, 1,2 Vladimir Valica, 1,2 Tatiana Mitina, 3 Sergiu Parii, 1 Livia Uncu 1,2 1 Drug Development Center, 2 Department of Pharmaceutical Chemistry and Toxicology within Nicolae Testemițanu State University of Medicine and Pharmacy, Chișinău, Republic of Moldova; 3 Moldova State University, Institute of Chemistry, Water Chemistry (ILAS), Chișinău, Republic of Moldova
PP2.7	Characteristic features of diabetes in NMR spectra Natalia Palarie, Felicia Darii, Adriana Botezatu, Chiril Boiciuc, Alina Nicolescu, Olga Tagadiuc, Calin Deleanu "Nicolae Testemitanu" State University of Medicine and Pharmacy, Chisinau, Republic of Moldova; Mother and Child Institute, Chisinau, Republic of Moldova; "Petru Poni" Institute of Macromolecular
	Chemistry, Iasi, Romania
PP2.8	Preliminary results from the PoliGeNReg project: A bicentric cross-border inventory of
112.0	ADPKD cases in Romania and the Republic of Moldova Stela Racovită, ^{1,2} Cristina Rusu, ³ Ramona G. Babici, ^{3,4} Bogdan D. Agavriloaei, ^{3,4} Gianina Dodi, ³ Irina L. Mititiuc, ^{3,4} Pavel Banov, ¹ Dorian Sasu, ¹ Emil Ceban, ¹ Adrian C. Covic ^{3,4}
	¹ Nicolae Testemițanu State University of Medicine and Pharmacy, Chișinău, Republic of Moldova; ² Nicolae Testemițanu SUMP, Genetics Laboratory of the Center for Personalized Medicine, Chișinău, Republic of Moldova; ³ Grigore T. Popa University of Medicine and Pharmacy Iasi, Romania; ⁴ Dr. C.I. Parhon University Hospital, Nephrology Clinic, Dialysis and Renal Transplant Center, Iasi, Romania
PP2.9	The role of salivary interleukins in the prediction of caries risk in children
112.9	Svetlana Plamadeală, ¹ Olga Tagadiuc, ² Tudorița Frăsineanu, ¹ Olesea Mihailov, ¹ Alina Bănărescu, ¹ Aurelia Spinei ¹
	¹ Nicolae Testemițanu" State University of Medicine and Pharmacy, Department of pediatric oromaxillofacial surgery and pedodontics "Ion Lupan", Faculty of Stomatology, Chisinau, Republic of Moldova; ² Nicolae Testemițanu" State University of Medicine and Pharmacy Department of Biochemistry and Clinical Biochemistry, Faculty of Medicine No.1, Chisinau, Republic of Moldova
PP2.10	Mother-child salivary Streptococcus mutans levels: A key marker for early diagnosis of severe
	early childhood caries Elena Hristea, ¹ Zinaida Marin, ² Alexandrina Zgîrcu, ² Carolina Melnic, ² Diana Stoeva, Laura Dînga, ² Aurelia Spinei ¹ ¹ Nicolae Testemitanu State University of Medicine and Pharmacy, Department of pediatric oral and maxillofacial surgery and pedodontics "Ion Lupan", Faculty of Stomatology,; ² Nicolae Testemitanu State
	University of Medicine and Pharmacy Faculty of Stomatology, Nicotae Testemitana State
PP2.11	Natural biomaterials-based formulations: aspects regarding their biocompatibility
	Bianca-Iulia Ciubotaru, ^{1,2} Mirela-Fernanda Zaltariov, ² Ianoş Coreţchi, ³ Alsaliem Sulaiman, ⁴ Ecaterina Pavlovschi ⁵ ¹ Grigore T. Popa University of Medicine and Pharmacy, Department of Biomedical Sciences/Faculty of Medical Bioengineering, Iaşi, România; ² Petru Poni Institute of Macromolecular Chemistry, Department of Inorganic Polymers, Iaşi, România; ³ Nicolae Testemitanu State University of Medicine and Pharmacy, Department of Pharmacology and clinical pharmacology, Chisinau, Republic of Moldova; ⁴ Nicolae Testemitanu State University of Medicine and Pharmacy, Center for Personalized Medicine, Laboratory of genetics, Chisinau, Republic of Moldova; ⁵ Nicolae Testemitanu State University of Medicine and Pharmacy,
PP2.12	Chair of Biochemistry and clinical biochemistry, Chisinau, Republic of Moldova A now convertion of antimicrobial agents based on multicomponent systems
TT 2.12	A new generation of antimicrobial agents based on multicomponent systems Nicoleta Vornicu, 1,2 Ianoş Coreţchi,3 Mirela-Fernanda Zaltariov,1 Dragos Peptanariu,4 Bianca- Iulia Ciubotaru, 1,5 Ionela Grecu,1 Alina Beşliu,3 Andrei Chiaburu3, Teofana Bibire6 1 "Petru Poni" Institute of Macromolecular Chemistry, Department of Inorganic Polymers, Iasi, Romania; 2 Metropolitan Center of Research T.A.B.O.R, Iasi, Romania; 3 "Nicolae Testemitanu" State University of Medicine and Pharmacy, Chisinau, Republic of Moldova; 4 "Petru Poni" Institute of Macromolecular Chemistry, Center of Advanced Research in Bionanoconjugates and Biopolymers, Iaşi, Romania; 5 "Gr. T. Popa" University of Medicine and Pharmacy, Department of Biomedical Sciences/ Faculty of Medical Bioengineering, Iasi, Romania; 6 "Gr. T. Popa" University of Medicine and Pharmacy, Iaşi, Romania

PP2.13	"OncoSensLip" - Optimization of process and formulation variables in the design of pH-
	sensitive liposomes for anticancer drug delivery
	Ciobanu Cristina, 1 Brînduşa Drăgoi, 2,3
	¹ "Nicolae Testemițanu" State University of Medicine and Pharmacy, Department of Drug Technology, Center for Drug Development, Chisinau, Republic of Moldova; ² Regional Institute of Oncology,
	Nanotechnology Laboratory, Iasi, Romania; ³ , Alexandru Ioan Cuza" University of Iasi, Faculty of
	Chemistry, Iasi, Romania
PP2.14	Erythrocyte glucose-6-Phosphate dehydrogenase activity in bronchial asthma: effects of
	sulfated polysaccharides
	Olga Mihalciuc, Lilia Andronache, Oxana Nicolaeva, Olga Tagadiuc, Valentin Gudumac
	¹ "Nicolae Testemitanu" State University of Medicine and Pharmacy, Biochemistry Laboratory, Chisinau, Republic of Moldova; ² "Nicolae Testemitanu" State University of Medicine and Pharmacy, Department of
	Biochemistry and Clinical Biochemistry, Chisinau, Republic of Moldova
PP2.15	The impact of diabetes mellitus on pulmonary tuberculosis through the lens of inflammation
	marker exegesis
	Marina Reabiseva, ¹ Oxana Nicolaeva, ¹ Lilia Andronache, ¹ Olga Mihalciuc, ¹ Anatolie Visnevschi ²
	¹ "Nicolae Testemitanu" State University of Medicine and Pharmacy, Biochemistry Laboratory, Chisinau, Republic of Moldova; ² "Nicolae Testemitanu" State University of Medicine and Pharmacy, Laboratoy
	Medicine Chair, Chisinau, Republic of Moldova
PP2.16	The potential use of spirulina derived substances in periodontal tissue regeneration
	<u>Dan Zagnat</u> , Dragoș Baciu, Maria-Mihaela Vovc, Valeria Vasiliu, Gheorghe Bordeniuc, Valeriu
	Fala "Nigola Tantoniano" State University of Malicine and Plannana Department of Intendictions
	"Nicolae Testemitanu" State University of Medicine and Pharmacy, Department of Interdisciplinary Dentistry and Oral Rehabilitation, Chisinau, Republic of Moldova Moldova
PP2.17	The potential application of the rapid aMMP-8 test in population-based periodontal screening
	<u>Dragos Baciu</u> , Dan Zagnat, Maria-Mihaela Vovc, Valeria Vasiliu, Gheorghe Bordeniuc, Valeriu
	Fala
	"Nicolae Testemitanu" State University of Medicine and Pharmacy, Department of Interdisciplinary
PP2.18	Dentistry and Oral Rehabilitation, Chisinau, Republic of Moldova Caries risk assessment using the saliva check mutans microbiological test
112010	Vovc Maria-Mihaela, Vasiliu Valeria, Dan Zagnat, Baciu Dragos, Bordeniuc Gheorghe, Fala
	Valeriu
	"Nicolae Testemitanu" State University of Medicine and Pharmacy, Department of Interdisciplinary
PP2.19	Dentistry and Oral Rehabilitation, Chisinau, Republic of Moldova Moldova Aseptic prostatitis – Histopathological identification of the optimal experimental model
112.17	Mariana Creciun, ¹ Constantin Tataru, ¹ Vladimir Topciu, ^{2,3} Dorin Gorohovschi, ¹ Ianoş Coreţchi, ^{2,3}
	Valeriu David, ⁴ Ion Dumbrăveanu, ¹ Iurie Arian, ¹ Mihaela Ivanov, ¹
	¹ Nicolae Testemitanu State University of Medicine and Pharmacy, Laboratory of urology, andrology and
	reproductive medicine, Chişinău, Republic of Moldova; ² Nicolae Testemitanu State University of Medicine and Pharmacy, Department of pharmacology and clinical pharmacology, Chişinău, Republic of Moldova;
	³ Nicolae Testemitanu State University of Medicine and Pharmacy, Center of molecular medicine,
	Laboratory of advanced biomedical technologies, Chişinău, Republic of Moldova; ⁴ Nicolae Testemitanu
DD2 20	State University of Medicine and Pharmacy, Laboratory of morphology, Chişinău, Republic of Moldova.
PP2.20	A strategic framework for a bi-national ADPKD electronic registry for Romania and the Republic of Moldova: an open-source, interoperable approach for European integration
	Dorian Sasu, ¹ Emil Ceban, ¹ Stela Racovița, ^{1,2} Gianina Dodi, ³ Ramona G. Babici, ³ Pavel Banov ¹
	¹ Nicolae Testemiţanu State University of Medicine and Pharmacy, Chişinău, Republic of Moldova;
	² Genetics Laboratory of the Center for Personalized Medicine, Nicolae Testemițanu USMF, Chișinău,
DD2 21	Republic of Moldova; ³ Grigore T. Popa University of Medicine and Pharmacy Iasi, Romania
PP2.21	Patterns of biochemical disturbances in patients with suspected mitochondrial disease <u>Doina Secu</u> , Natalia Uşurelu, Alina Nicolescu, Daniela Blăniță, Chiril Boiciuc, Iulia Coliban,
	Elena Gladun, ¹ Dan Cristian Uşurelu, ¹ Călin Deleanu, ² Sergiu Gladun, ¹ Victoria Sacară ¹
	¹ Institute of Mother and Child, Chisinau, Republic of Moldova; ² "Petru Poni" Institute of Macromolecular
DD2 22	Chemistry, Iasi, Romania
PP2.22	Diagnosis of Galactosemia by NMR spectroscopy Deniale Planite Natelia Heurely Aline Nicolescy Julia Coliber Doine Secu Chiril Poicine
	<u>Daniela Blanita</u> , ¹ Natalia Usurelu, ¹ Alina Nicolescu, ² Iulia Coliban, ¹ Doina Secu, ¹ Chiril Boiciuc, ¹ Elena Gladun, ¹ Ecaterina Pavlovschi, ^{1,3} Sergiu Gladun ¹ , Calin Deleanu. ²
	¹ Institution of Mother and Child, Chisinau, Republic of Moldova; ² "Petru Poni" Institute of
	Macromolecular Chemistry, Iasi, Romania; 3"Nicolae Testemitanu" University of Medicine and Pharmacy,
	Chisinau, Republic of Moldova

PP2.23	Genetic screening in symptomatic patients: Distinguishing spinal muscular atrophy from
112.20	metabolic disorders
	<u>Iulia Coliban,</u> Daniela Blăniță, Doina Secu, Elena Gladun, Dan-Cristian Uşurelu, Chiril Boiciuc, Sergiu Gladun, Călin Deleanu, Alina Nicolescu, Natalia Uşurelu, Victoria Săcară PMSI Mother and Child Institute, Human Molecular Genetics Laboratory, Chisinau, Republic of Moldova; Mother and Child Institute, Laboratory for Prophylaxis of Hereditary Pathologies, Chisinau, Republic of Moldova; "Petru Poni" Institute of Macromolecular Chemistry, Iasi, Romania
PP2.24	Diagnosis of congenital disorder of glycosylation (CDG)
	Chiril Boiciuc, ^{1,2} Daniela Blăniță, ¹ Iulia Coliban, ¹ Doina Secu, ¹ Elena Gladun, ¹ Dan Cristian Uşurelu, ¹ Sergiu Gladun, ¹ Călin Deleanu, ³ Alina Nicolescu, ³ Natalia Uşurelu ¹ Institute of Mother and Child, Chisinau, Republic of Moldova; ² "Nicolae Testemitanu" University of Medicine and Pharmacy, Chisinau, Republic of Moldova; ³ "Petru Poni" Institute of Macromolecular
	Chemistry, Iasi, Romania
PP2.25	"Metabolomic evaluation for specific biomarkers in Phenylketonuria"
	<u>Uşurelu Dan-Cristian, 1,2</u> Chiril Boiciuc, 2 Daniela Blăniță, 2 Ecaterina Pavlovschi, 1 Natalia Uşurelu, 2 Alina Nicolescu, 3 Calin Deleanu ³
	¹ IMSP Institute of Mother and Child, Chişinău, Republic of Moldova; ² USMF "Nicolae Testemiţanu", Department of Biochemistry and Clinical Biochemistry, Chişinău, Republic of Moldova; ³ "Petru Poni"
	Institute of Macromolecular Chemistry of Romanian Academy, Iași, Romania
PP2.26	Implementation of primary HPV testing in cervical screening
	Diana Valuța, ¹ <u>Uliana Tabuica, ^{1,2}</u> Elena Gladun, ¹ Calin Deleanu, ³ Natalia Usurelu, ¹ Sergiu
	Gladun ¹
	¹ IMSP Institute of Mother and Child, Chisinau, Republic of Moldova; ² State University of Medicine and Pharmacy, "Nicolae Testemițanu", Chisinau, Republic of Moldova; ³ "Petru Poni" Institute of
	Macromolecular Chemistry, Iaşi, Romania
PP2.27	Endocrino-metabolical features in childhood obesity
	<u>D. Munteanu, ^{1,2}</u> Lorina Vudu, ² Natalia Uşurelu, ¹ Kiril Boiciuc, ^{1,2} Daniela Blăniță, ¹ Alina
	Nicolescu, ³ Calin Deleanu ³
	¹ IMSP Institute of Mother and Child, Chisinau, Republic of Moldova; ² "Nicolae Testemițanu"State University of Medicine and Pharmacy, Chisinau, Republic of Moldova; ³ "Petru Poni" Institute of
	Macromolecular Chemistry, Iaşi, Romania
PP2.28	Interplay between the microbiome and metabolome in the gastric precancerous
	transformation Adriana Botezatu,¹ Victoria Țurcan,¹ Olga Tagadiuc,¹ Alina Nicolescu,² Nicolae Bodrug,¹ Călin
	Deleanu ²
	¹ "Nicolae Testemiţanu" State University of Medicine and Pharmacy, Chişinău, Moldova; ² "Petru Poni" Institute of Macromolecular Chemistry, Iaşi, Romania
	Materials Science (C3)
PP3.1	Laser-fabricated bioactive thin films: a versatile platform for advanced biomedical coatings
	Irina Negut, Carmen Ristoscu, Liliana Cepoi ²
	¹ National Institute for Laser, Plasma and Radiation Physics, Magurele, Romania; ² Technical University of Moldova, Chisinau, Republic of Moldova
PP3.2	From precipitate to thin films: Unveiling the structure of polydopamine coatings by solid-state
ī	NMR Andrea Simian 1/2 Vania Filin 1 Icana G. Gracu 1 Ana M. P. Gharman 1 Claudia I an 1 Claudia
	Andrea Simion, 1,2 Xenia Filip, 1 Ioana G. Grosu, 1 Ana M. R. Gherman, 1 Claudia Lar, 1 Claudiu
	Andrea Simion, 1,2 Xenia Filip, 1 Ioana G. Grosu, 1 Ana M. R. Gherman, 1 Claudia Lar, 1 Claudiu Filip 1 1 National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca,
DD2 2	Andrea Simion, 1,2 Xenia Filip, 1 Ioana G. Grosu, 1 Ana M. R. Gherman, 1 Claudia Lar, 1 Claudiu Filip 1 1 National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca, Romania; 2 Faculty of Physics, Babes Bolyai University, Cluj-Napoca, Romania
PP3.3	Andrea Simion, 1,2 Xenia Filip, 1 Ioana G. Grosu, 1 Ana M. R. Gherman, 1 Claudia Lar, 1 Claudiu Filip 1 National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca, Romania; 2 Faculty of Physics, Babes Bolyai University, Cluj-Napoca, Romania Effects of incorporating a 3D coordination polymer with siloxane fragments on the properties
PP3.3	Andrea Simion. 1,2 Xenia Filip, 1 Ioana G. Grosu, 1 Ana M. R. Gherman, 1 Claudia Lar, 1 Claudiu Filip 1 National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca, Romania; 2 Faculty of Physics, Babes Bolyai University, Cluj-Napoca, Romania Effects of incorporating a 3D coordination polymer with siloxane fragments on the properties of silicone
	Andrea Simion. 1,2 Xenia Filip, 1 Ioana G. Grosu, 1 Ana M. R. Gherman, 1 Claudia Lar, 1 Claudiu Filip 1 Inational Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca, Romania; 2 Faculty of Physics, Babes Bolyai University, Cluj-Napoca, Romania Effects of incorporating a 3D coordination polymer with siloxane fragments on the properties of silicone Alexandru-Constantin Stoica, Mihaela Dascalu, Maria Cazacu Department of Inorganic Polymers, "Petru Poni" Institute of Macromolecular Chemistry Iasi, Romania
PP3.3	Andrea Simion. 1,2 Xenia Filip, 1 Ioana G. Grosu, 1 Ana M. R. Gherman, 1 Claudia Lar, 1 Claudiu Filip 1 Inational Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca, Romania; 2 Faculty of Physics, Babes Bolyai University, Cluj-Napoca, Romania Effects of incorporating a 3D coordination polymer with siloxane fragments on the properties of silicone Alexandru-Constantin Stoica, Mihaela Dascalu, Maria Cazacu Department of Inorganic Polymers, "Petru Poni" Institute of Macromolecular Chemistry Iasi, Romania Hybrid cellulose nanofiber-PVTMS aerogels: ultralight, porous, and floatable materials
	Andrea Simion. 1,2 Xenia Filip, 1 Ioana G. Grosu, 1 Ana M. R. Gherman, 1 Claudia Lar, 1 Claudiu Filip 1 Inational Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca, Romania; 2Faculty of Physics, Babes Bolyai University, Cluj-Napoca, Romania Effects of incorporating a 3D coordination polymer with siloxane fragments on the properties of silicone Alexandru-Constantin Stoica, Mihaela Dascalu, Maria Cazacu Department of Inorganic Polymers, "Petru Poni" Institute of Macromolecular Chemistry Iasi, Romania Hybrid cellulose nanofiber—PVTMS aerogels: ultralight, porous, and floatable materials Andreea L. Chibac-Scutaru, Gabriela Biliuta, Raluca I. Baron, Madalina E. Bistriceanu, Violeta
	Andrea Simion. 1,2 Xenia Filip, 1 Ioana G. Grosu, 1 Ana M. R. Gherman, 1 Claudia Lar, 1 Claudiu Filip 1 Inational Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca, Romania; 2 Faculty of Physics, Babes Bolyai University, Cluj-Napoca, Romania Effects of incorporating a 3D coordination polymer with siloxane fragments on the properties of silicone Alexandru-Constantin Stoica, Mihaela Dascalu, Maria Cazacu Department of Inorganic Polymers, "Petru Poni" Institute of Macromolecular Chemistry Iasi, Romania Hybrid cellulose nanofiber-PVTMS aerogels: ultralight, porous, and floatable materials
PP3.4	Andrea Simion. 1,2 Xenia Filip, 1 Ioana G. Grosu, 1 Ana M. R. Gherman, 1 Claudia Lar, 1 Claudiu Filip 1 National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca, Romania; 2 Faculty of Physics, Babes Bolyai University, Cluj-Napoca, Romania Effects of incorporating a 3D coordination polymer with siloxane fragments on the properties of silicone Alexandru-Constantin Stoica, Mihaela Dascalu, Maria Cazacu Department of Inorganic Polymers, "Petru Poni" Institute of Macromolecular Chemistry Iasi, Romania Hybrid cellulose nanofiber—PVTMS aerogels: ultralight, porous, and floatable materials Andreea L. Chibac-Scutaru, Gabriela Biliuta, Raluca I. Baron, Madalina E. Bistriceanu, Violeta Melinte, S. Coseri Petru Poni Institute of Macromolecular Chemistry, Polyaddition and Photochemistry Department, Iasi, Romania
	Andrea Simion. 1,2 Xenia Filip, 1 Ioana G. Grosu, 1 Ana M. R. Gherman, 1 Claudia Lar, 1 Claudiu Filip 1 National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca, Romania; 2 Faculty of Physics, Babes Bolyai University, Cluj-Napoca, Romania Effects of incorporating a 3D coordination polymer with siloxane fragments on the properties of silicone Alexandru-Constantin Stoica, Mihaela Dascalu, Maria Cazacu Department of Inorganic Polymers, "Petru Poni" Institute of Macromolecular Chemistry Iasi, Romania Hybrid cellulose nanofiber—PVTMS aerogels: ultralight, porous, and floatable materials Andreea L. Chibac-Scutaru, Gabriela Biliuta, Raluca I. Baron, Madalina E. Bistriceanu, Violeta Melinte, S. Coseri Petru Poni Institute of Macromolecular Chemistry, Polyaddition and Photochemistry Department, Iasi, Romania Carbonaceous composites from plant materials: production and characterization
PP3.4	Andrea Simion. 1,2 Xenia Filip, 1 Ioana G. Grosu, 1 Ana M. R. Gherman, 1 Claudia Lar, 1 Claudiu Filip 1 National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca, Romania; 2 Faculty of Physics, Babes Bolyai University, Cluj-Napoca, Romania Effects of incorporating a 3D coordination polymer with siloxane fragments on the properties of silicone Alexandru-Constantin Stoica, Mihaela Dascalu, Maria Cazacu Department of Inorganic Polymers, "Petru Poni" Institute of Macromolecular Chemistry Iasi, Romania Hybrid cellulose nanofiber—PVTMS aerogels: ultralight, porous, and floatable materials Andreea L. Chibac-Scutaru, Gabriela Biliuta, Raluca I. Baron, Madalina E. Bistriceanu, Violeta Melinte, S. Coseri Petru Poni Institute of Macromolecular Chemistry, Polyaddition and Photochemistry Department, Iasi, Romania Carbonaceous composites from plant materials: production and characterization Irina Ceban, 1 Raisa Nastas, 1 Oleg Petuhov, 1 Nina Boldurescu, 1 Serghei Moldovanu, 2 Tudor
PP3.4	Andrea Simion. 1,2 Xenia Filip, 1 Ioana G. Grosu, 1 Ana M. R. Gherman, 1 Claudia Lar, 1 Claudiu Filip 1 National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca, Romania; 2 Faculty of Physics, Babes Bolyai University, Cluj-Napoca, Romania Effects of incorporating a 3D coordination polymer with siloxane fragments on the properties of silicone Alexandru-Constantin Stoica, Mihaela Dascalu, Maria Cazacu Department of Inorganic Polymers, "Petru Poni" Institute of Macromolecular Chemistry Iasi, Romania Hybrid cellulose nanofiber—PVTMS aerogels: ultralight, porous, and floatable materials Andreea L. Chibac-Scutaru, Gabriela Biliuta, Raluca I. Baron, Madalina E. Bistriceanu, Violeta Melinte, S. Coseri Petru Poni Institute of Macromolecular Chemistry, Polyaddition and Photochemistry Department, Iasi, Romania Carbonaceous composites from plant materials: production and characterization

PP3.6	Obtaining activated carbon by chemical method by utilizing local waste
	Irina Ceban, Oleg Petuhov, Mihaela Buga, Eugenia Moraru
PP3.7	Moldova State University, Institute of Chemistry, Chisinau, Republic of Moldova Synthesis, crystal structure, and intermolecular interactions evaluation via Hirshfeld surface
113.7	analysis of a copper(II) complex with 3-pyridine aldoxime
	Elena Melnic, ¹ Nicoleta Craciun, ¹ Diana Chisca, ² Marina S. Fonari ¹
	¹ Moldova State University, Institute of Applied Physics, Chişinău, Moldova; ² Ion Creangă State Pedagogical
	University of Chişinău, Faculty of Biology and Chemistry, Chişinău, Moldova
PP3.8	Two Eu(III) compounds with biologically relevant triimidazo[1,2-a:1',2'-c:1",5"-
	e [1,3,5]triazine luminophore Anastasia Gorobet, Victor Ch. Kravtsov, Marina S. Fonari, Elena Lucenti, Daniele Malpicci
	¹ Moldova State University, Institute of Applied Physics Chisinau, R. of Moldova; ² Institute of Chemical
	Sciences and Technologies "Giulio Natta" (SCITEC) of CNR, Milano, Italy; ³ Department of Chemistry,
	Università degli Studi di Milano, Milano, Italy
PP3.9	Structural diversity of Co(II, III) compounds assembled from pivalate and
	hexamethylenetetramine ligands Factoring Polosovy Victor Ch. Victory Systlems C. Poss
	Ecaterina Beleaev, Victor Ch. Kravtsov, Svetlana G. Baca Institute of Applied Physics, Moldova State University, Chisinau, Republic of Moldova
PP3.10	The influence of selenium oxide, cerium oxide and molybdenum oxide on some properties of
	apatite-wollastonite glass ceramics
	Andrei Cioineag, ¹ Stefania Stoleriu, ²
	¹ National University of Science and Technology POLITEHNICA Bucharest, Faculty of Medical Engineering,
	Bucharest, Romania; ² National University of Science and Technology POLITEHNICA Bucharest, Faculty of Chemical Engineering and Biotechnology, Bucharest, Romania
PP3.11	Compatibility assessment and characterization of non-hydraulic binder mortars in heritage
	church structures
	Cristina Orbeci, Margareta Elena Nica (Morogan), Liliana Bobirică, Constantin Bobirică,
	Giovanina-Iuliana Ionică
	National University of Science and Technology POLITEHNICA Bucharest, Faculty of Chemical Engineering and Biotechnology, Department of Analytical Chemistry and Environment Engineering, Bucharest, Romania
PP3.12	Antimicrobial chitosan-based cross-linked networks with re-mendable thermoresponsive
	properties
	Oana Ursache, Constantin Gaina, Maria Valentina Dinu
	"Petru Poni" Institute of Macromolecular Chemistry, Iasi, Romania
	Ecological Chemistry and Environmental Protection (C4)
PP4.1	Hydrogen peroxide-induced photolysis of vitamin B9 in aquatic systems
	Angela Lis, Viorica Gladchi, Elena Bunduchi, Vladislav Blonschi
DD / A	Moldova State University, Faculty of Chemistry and Chemical Technology, Chisinau, Republic of Moldova
PP4.2	Eco-efficiency of caffeine production methods Elena Bunduchi, Valentin Bobeica
	Moldova State University, Faculty of Chemistry and Chemical Technology, Chisinau, Republic of Moldova
PP4.3	Determination of humic substances content in the wastewater of the treatment facilities of
	Cricova, Republic of Moldova
	<u>Diana Shepel</u> , Alexandru Vişnevschi, Petru Spătaru
DD 4 4	Moldova State University, Institute of Chemistry, Chishinau, Republic of Moldova
PP4.4	Biogas from vegetal wastes - experimental study at laboratory scale <u>Dumitru Auras Marius</u> , Banu Ionut, Isopencu Gabriela Olimpia, Lavric Vasile ²
	POLITEHNICA Bucharest, Doctoral School "Chemical Engineering and Biotechnologies", Bucharest,
	Romania; ² National University of Science and Technology POLITEHNICA Bucharest; Faculty of Chemical
	Engineering and Biotechnologies; Bucharest, Romania
PP4.5	Synthesis of TiO ₂ -coated fiberglass material for degradation of pharmaceutical contaminants
	from wastewater <u>Giovanina-Iuliana Ionică</u> , Liliana Bobirică, Cristina Orbeci, Constantin Bobirică
	National University of Science and Technology POLITEHNICA Bucharest, Faculty of Chemical Engineering
	and Biotechnology, Department of Analytical Chemistry and Environmental Engineering, Bucharest,
DD 4.7	Romania
PP4.6	Modified carbonaceous adsorbents for removal of sulphide and nitrite ions from water
	Raisa Nastas, Irina Ceban, Tatiana Goreacioc, Tudor Lupascu Moldova State University, Institute of Chemistry, Chisinau, Republic of Moldova
PP4.7	Testing of carbonaceous composites obtained by the hydrothermal method for the removal of
	nitrite ions from water
	<u>Irina Ceban</u> , Raisa Nastas
	Moldova State University, Institute of Chemistry, Chisinau, Republic of Moldova

PP4.8	The remediation of high contaminated soil by POPs using biotechnology approach. Bogdevici Oleg,¹ Rastimesina Inna,² Postolachi Olga,² Culighin Elena,¹ Nicolau Elena,¹ Grigoras
	Marina ¹ ¹ Moldova State University, Institute of Chemistry Chisinau, Republic of Moldova; ² Technical University of
	Moldova, Institute of Microbiology and Biotechnology, Chisinau, Republic of Moldova
PP4.9	Chemical composition and pollution level of the Dniester River in the section
	town of Dubăsari – town of Vadul lui Vodă. Period 2020-2024
	Viorica Gladchi, ¹ Vladislav Blonschi, ¹ Angela Lis, ¹ Elena Bunduchi, ¹ Gheorghe Duca ²
	¹ Moldova State University, Faculty of Chemistry and Chemical Technology, Chişinău, Republic of Moldova;
	² Moldova State University, Institute of Chemistry, Chişinău, Republic of Moldova
PP4.10	Radon under observation: an example of participatory involvement in monitoring and
	remediation
	Raluca Ciur, Tiberius Dicu UNIVERSITATEA "BABEŞ - BOlYAI" CLUJ – NAPOCA, Facultatea de Știința și Ingineria Mediului
	· · · · · ·
	Biotechnology, Food and Plant Sciences (C5)
PP5.1	Affordable and rapid ELISA methods for determining allergens in food products
	Veronica Dragancea, ¹ Tatiana Trili, ² Angela Gurev ¹
	¹ Technical University of Moldova, Department of Oenology and Chemistry, Chişinău, Republic of Moldova; ² IMUNOTEHNOMED, Department Food & Feed Diagnostic Chişinău, Republic of Moldova
PP5.2	Microencapsulation of Jostaberry extract in combined biopolymer carrier agents
	Angela Gurev, Viorica Bulgaru, Aliona Ghendov-Mosanu
	Technical University of Moldova, Chisinau, Republic of Moldova
PP5.3	Antioxidant activity assessed through simulated in vitro digestion of high-protein raw
	materials Long Giranger Angels Grove Vissian Bulgary Aliana Ghandar Massay
	<u>Iana Ciugureanu</u> , Angela Gurev, Viorica Bulgaru, Aliona Ghendov-Moşanu Technical University of Moldova, Department of Food Technology, Faculty of Food Technology, Chişinău,
	Republic of Moldova
PP5.4	The influence of long-term aging on the quality parameters of red wines stored in the Mileştii
	Mici underground cellar
	Alexandra Arseni, Larisa Necula, Elena Balanuţă
PP5.5	Technical University of Moldova, Chisinau, Republic of Moldova
113.3	Characterization of phenolic compounds and chromatic properties of local red wines Alexandra Arseni, Nadejda Botezatu, Georgeta Moga
	Technical University of Moldova, Chisinau, Republic of Moldova
PP5.6	Quality of confectionery products using jostaberry extract as a natural colorant
	Olga Smerea, Viorica Bulgaru, Olga Boeştean, Aliona Ghendov-Moşanu
	Technical University of Moldova, Department of Food Technology, Faculty of Food Technology, Chisinau,
PP5.7	Non-dairy probiotic drinks based on local raw materials
113.7	Silvia Rubţov, Alexandra Arseni, Georgeta Moga, Ana-Maria Georgescu, Diana Carmen
	Mirilă, ² Sturza Rodica, ¹ Nistor Ileana Denisa ²
	¹ Technical University of Moldova, Faculty of Food Technology, Chisinau, Republic of Moldova; ² "Vasile
	Alecsandri" University of Bacău, Faculty of Engineering, Bacău, Romania
PP5.8	The susceptibility of orange wines to oxidation
	Aliona Sclifos, Iurie Scutaru, Maria Kurteva Technical University of Moldova, Chișinău, Republic of Moldova
PP5.9	Application of a new herbal drug based on fennel seed extract for the treatment of dental
110.7	diseases
	Diana Shepel
	Moldova State University, Institute of Chemistry, Chishinau, Republic of Moldova
PP5.10	Application of thin layer chromatography for the analysis of sclareol in clary sage concrete
	Diana Shepel Moldova State University, Institute of Chemistry, Chickings, Perublic of Moldova
PP5.11	Moldova State University, Institute of Chemistry, Chishinau, Republic of Moldova Protective role of carotenoid-rich berry extracts against lipid oxidation in sunflower oil
110,11	Aliona Ghendov-Mosanu, ¹ Adela Pintea, ² Rodica Sturza, ¹
	¹ Technical University of Moldova, Faculty of Food Technology, Chişinău, Republic of Moldova;
	² University of Agricultural Sciences and Veterinary Medicine, Faculty of Veterinary Medicine, Cluj-Napoca,
DD5 12	Romania
PP5.12	Optimized extraction of water-soluble bioactives from sea buckthorn pomace
FF5.12	
FF5.12	using green techniques <u>Irina Dianu</u> , Tatiana Cuşmenco, Iuliana Sandu, Natalia Netreba

PP5.13	Sensory improvement of low-fat cheesecake using β-glucans from Merlot wine yeast
	Alina Boistean, Aurica Chirsanova, Ana Chioru
	Technical University of Moldova, Department of Food and Nutrition, Faculty of Food Technology, Chisinau,
DD7 14	Republic of Moldova
PP5.14	Extraction of liposoluble bioactive compounds from sea buckthorn pomace: optimization and
	antioxidant evaluation
	Irina Dianu, Artur Macari, Alexei Baerle Technical University of Moldova, Department of Food Technology, Chisinau, Republic of Moldova
PP5.15	Phytochemical characterization and functional development of an antioxidant digestive shot
113.13	based on Salvia officinalis L.
	Tatiana Capcanari, Eugenia Covaliov, Violina Popovici, Oxana Radu
	Technical University of Moldova, Food and Nutrition Department, Chisinau, Republic of Moldova
PP5.16	Development and evaluation of wheat flour substitutes with hemp (Cannabis sativa 1.) cake
	and inflorescence in functional noodles
	Tatiana Capcanari, Eugenia Covaliov, Violina Popovici, Cătălina Negoița, Alexandrina Cojocari
	Technical University of Moldova, Food and Nutrition Department, Chisinau, Republic of Moldova
PP5.17	Investigation of the immunostimulatory potential of novel triazole-based preparative forms on
	tomato seeds under Fusarium sppinfected soil conditions
	Sucman Natalia, Grajdieru Cristina, Pogrebnoi Vsevolod, Cojocari Sergiu, Cazacu Lilia
	¹ Moldova State University, Institute of Chemistry, Chisinau, Republic of Moldova; ² Moldova State University, Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova
PP5.18	Valorization of unfermented red grape pomace: Cabernet Sauvignon and Rara Neagră in the
113.10	context of circular economy
	Nadejda Botezatu, Alexandra Arseni, Ecaterina Covaci
	Technical University of Moldova, Department of Enology and Chemistry, Faculty of Food Science,
	Chisinau, Republic of Moldova
PP5.19	Alfalfa protein concentrate - functional ingredient for the food industry
	Angela Gurev, <u>Iana Ciugureanu</u> , Viorica Bulgaru, Aliona Ghendov-Mosanu
PP5.20	Technical University of Moldova, Faculty of Food Technology, Chişinău, Republic of Moldova Butyric fraction of dairies as determined from ¹³ C-NMR data
PP5.20	Mihaela Tociu, Carmen-Nicoleta Nechita, Nicoleta-Aurelia Chira, Aurelia Bratu, Cristina
	Elena Stavarache, ^{2,3} Mihaela-Liliana Mihalache ¹
	¹ National University of Science and Technology POLITEHNICA Bucharest, Faculty of Chemical
	Engineering and Biotechnology, "Costin D. Nenitescu" Department of Organic Chemistry, Bucharest,
	Romania; ² National University of Science and Technology POLITEHNICA Bucharest, Faculty of Chemical
	Engineering and Biotechnology, Advanced Polymer Materials Group, Bucharest, Romania; 3"Costin D.
DD5 21	Nenitzescu" Institute of Organic and Supramolecular Chemistry, Bucharest, Romania
PP5.21	Spectral characterization of the volatile fatty acids in dairy products: ¹ H-, ¹³ C- and 2D
	experiments Aurelia Bratu, Nicoleta-Aurelia Chira, Mihaela Tociu, Cristina Elena Stavarache, Mihaela-
	Liliana Mihalache ¹
	¹ National University of Science and Technology POLITEHNICA Bucharest, Faculty of Chemical
	Engineering and Biotechnology, "Costin D. Nenitescu" Department of Organic Chemistry, Bucharest,
	Romania; ² National University of Science and Technology POLITEHNICA Bucharest, Faculty of Chemical
	Engineering and Biotechnology, Advanced Polymer Materials Group, Bucharest, Romania; 3"Costin D.
PP5.22	Nenitzescu" Institute of Organic and Supramolecular Chemistry, Bucharest, Romania Influence of rice type and boiling duration on glycemic index: implications for glycemic
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	Anna Vîrlan, <u>Dinu Țurcanu</u> , <u>Rodica Siminiuc</u>
	Technical University of Moldova, Faculty of Food Technology, Food and Nutrition Department, Chişinau,
	Republic of Moldova
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	Salami
	Cristina Todașcă, ¹ Ioana Penciu, ¹ Mihaela Tociu, ¹ Fulvia Manolache, ² Ileana Rău ¹
	¹ National University of Science and Technology POLITEHNICA Bucharest/ Faculty of Chemical
	Engineering and Biotechnology, Bucharest, Romania; ² National Research & Development Institute for Food Bioresources – IBA, Bucharest, Romania
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110121	<u>Stefănica Ostaci</u> , Cristina Slabu, Alina Elena Marta, Mihaela Covașă, Carmenica Doina Jităreanu
	Department of Plant Science, Iasi University of Life Sciences, 700490 Iasi, Romania
PP5.25	Biotechnological production of ethanol from vegetable waste
	<u>Vladislav Blonschi</u> , Nicoleta Munteanu
	Moldova State University, The Faculty of Chemistry and Chemical Technology, Chisinau, Republic of
	Moldova

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of Moldova <u>Cornelia Fursenco, ¹</u> Floricuta Ranga, ² Doina Clapa, ² Tatiana Calalb, ¹ Livia Uncu ¹ <u>Nicolae Testemitanu State University of Medicine and Pharmacy, Faculty of Pharmacy, Scientific Centre for Drug Research, Chisinau, Republic of Moldova; ²University of Agricultural Sciences and Veterinary</u>	PP5.37	
Cornelia Fursenco, ¹ Floricuta Ranga, ² Doina Clapa, ² Tatiana Calalb, ¹ Livia Uncu ¹ Nicolae Testemitanu State University of Medicine and Pharmacy, Faculty of Pharmacy, Scientific Centre for Drug Research, Chisinau, Republic of Moldova; ² University of Agricultural Sciences and Veterinary		
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for Drug Research, Chisinau, Republic of Moldova; ² University of Agricultural Sciences and Veterinary		
Medicine of Cluj-Napoca, Life Science Institute "Regele Mihai I al României", Cluj-Napoca, Romania		

PP5.38	Comprehensive monitoring of pesticide residues in Romanian fresh products
	<u>Diana Ionela Popescu (Stegarus)</u> , Violeta-Carolina Niculescu, Corina Mihaela Oprita (Cioara), 2
	Marius Miricioiu, ¹ Roxana Elena Ionete ¹
	¹ National Research and Development Institute for Cryogenic and Isotopic Technologies-ICSI Ramnicu
	Valcea, Ramnicu Valcea, Romania; ² Ovidius University Constanta, Doctoral School of Applied Sciences,
	Constanta, Romania
PP5.39	Chemistry in service of nutrition: multi-marker profiling of raspberries for safe and
	functional food development
	Oana Botoran, ¹ Roxana Elena Ionete, ¹ Diana Costinel, ¹ Claudia Şandru, ¹ Irina Geană, ¹ Corina
	Ciucure, Andreea Iordache, Nadia Păun, Mirabela-Augustina Pruteanu, Emilia-Cornelia
	Dunca, ³ Gabriela-Elena Bahrim ⁴
	¹ National Research and Development Institute for Cryogenic and Isotopic Technologies – ICSI Rm. Valcea,
	ICSI Analytics Department, Râmnicu Vâlcea, Romania; ² National Research Development Institute for
	Machines and Installations Designed to Agriculture and Food Industry, Bucharest, Romania; ³ University of
	Petrosani, Faculty of Mining, University, Petrosani, Romania; ⁴ Dunarea de Jos University of Galati, Faculty of Food Science and Engineering, Galati, Romania
PP5.40	Extended reproducibility assessment for metabolomics experiments
FF 3.40	Cătălin Duduianu, ^{1,2,3} Gabriela Liliana Ailiesei, ³ Mihaela Balan-Porcărașu, ³ Ana-Maria Macsim, ³
	Mihaela Cristea, Mara Isvoranu, Daniela Blăniță, Doina Secu, Iulia Coliban, Elena Gladun,
	Dan Cristian Uşurelu, ⁴ Adriana Botezatu, ⁵ Natalia Pălărie, ⁵ Felicia Darii, ⁵ Chiril Boiciuc, ^{4,5}
	Vladilena Gîrbu, ⁶ Adina Organ, ⁶ Alexandr Dorif, ^{4,6} Ecaterina Pavlovschi, ^{4,5} Sergiu Gladun, ⁴
	Viadnena Grou, Adma Organ, Alexandr Born, Ecaternia Faviovschi, Sergiu Giadun, Veaceslav Kulciţki, Olga Tagadiuc, Natalia Uşurelu, Alina Nicolescu, 2,3 Calin Deleanu ^{2,3}
	National University for Science and Technology POLITEHNICA Bucharest, Faculty of Chemical
	Engineering and Biotechnologies, Bucharest, Romania; ² "Costin D. Nenitescu" Institute of Organic and
	Supramolecular Chemistry, Romanian Academy, Bucharest, Romania; 3"Petru Poni" Institute of
	Macromolecular Chemistry, Romanian Academy, Iaşi, Romania; ⁴ Institution of Mother and Child, Chisinau,
	Republic of Moldova; ⁵ "Nicolae Testemitanu" University of Medicine and Pharmacy, Chisinau, Moldova;
	⁶ Moldova State University, Institute of Chemistry, Republic of Moldova.
PP5.41	Study of high protein biological matrices by NMR spectroscopy
	Alina Nicolescu, ^{1,2} Mihaela Balan-Porcărașu, ² Mihaela Cristea, ² Adina-Mirela Ariton, ³ Silviu-
	Ionuț Borș, ³ Calin Deleanu ^{1,2}
	¹ "Costin D. Nenitescu" Institute of Organic and Supramolecular Chemistry, Romanian Academy,
	Bucharest, Romania; ² "Petru Poni" Institute of Macromolecular Chemistry, Romanian Academy, Aleea
	Grigore Ghica Vodă, Iași, Romania; ³ Research and Development Station for Cattle Breeding Dancu, Iasi,
	Romania