

PIM-2007 poster list

No.	Name, forname	Paper	Authors
T1 topic			
1.	Axente Damian	The determination of adsorption capacity of anion exchange resin Dowex-Marathon for Fe(III) and Ti(IV) chlorocomplexes	Damian Axente, Cristina Marcu, Ecaterina Stela Drăgan, Ecaterina Avram
2.	Chriac Maria	The Syntheses of Barbituric Acid and some of its Derivatives Isotopically Labelled with ^{15}N	Maria Chiriac, Flavia Popa, Ioan Bratu, Irina Kacso, Gheorghe Borodi, Nicolae Palibroda
3.	Costinel Diana	Food products authentication based on isotopic analysis, in concordance with the Europeans standard	<u>Diana Costinel</u> , Lazar Roxana Elena, Vremera Raluca
4.	Cuna Stela	The isotopic characterization of the mineral waters from the areal of the Oriental Carpathians	Stela Cuna ¹ , Cornel Cuna ¹ , Berdea Petre ¹ , Gabriela Balas ¹ , Nicolae Lupsa ¹ , Valentin Mirel ¹ , Edina Silagy ¹ , Alina Magdas ¹
5.	Cuna Stela	The measurements method of $^{13}\text{C}/^{12}\text{C}$ ratio from wine	Stela Cuna ¹ , Gabriela Balas ¹
6.	Kaucsár Martin	Improving transient response and reducing the effects of perturbations in separation plants using a neuro-fuzzy controller	M.Kaucsár, D.Axente, V.Cosma, A.Bâldea
7.	Popescu Stefan	Mathematical modeling of SO_2 flow control system to a isotopic separation column uzing artificial neuronal logic and fuzzy logic	M.Kaucsár, <u>Șt.Popescu</u> .
8.	Preda Anisoara	Experimental study about determination of gamma-active isotopes from the environment samples	A.Preda, M.Vladu, F.Vasut, C. Pearsica, C. Barbu
9.	Vasut Felicia	Sorption of hydrogen on sponge titanium; parameters influencing the process.	Felicia Vasut, Marius Zamfirache, Claudia Pearsica, Anisoara Preda
10.	Unguresan Mihaela	A comparative study concerning the dynamics of the reactants flow in the two observation cells for measuring the kinetics of the fast redox reaction Cu^{2+} with $\text{S}_2\text{O}_3^{2-}$	<u>Mihaela Ligia Ungureșan</u> , Gavril Niac, Ioan Bâldea
11.	Unguresan Mihaela	Modelling and simulation of the rapid interaction between Cu_2^{+} and $\text{S}_2\text{O}_3^{2-}$ in aqueous solution	Mihaela Ligia Unguresan, Tiberiu Colosi, Francisc Dulf
T2 topic			
12.	Ardelean Ioan	Molecular diffusion in permeable nanocapsules	I. Ardelean, M. Bogdan, A. Parnau, and C. Badea
13.	Ardelean Ioan	Time dependent diffusion in partially filled porous samples	I. Ardelean, G.Farrher, and R. Kimmich
14.	Ardelean Ioan	Structural Investigation of $\text{Fe}_2\text{O}_3\text{-B}_2\text{O}_3\text{-SrO}$ Glasses by Raman Spectroscopy	I.Ardelean, R. Lungu and P.Pășcuță
15.	Horea Cristian	Structural changes induced by MnO addition in $2\text{P}_2\text{O}_5\cdot\text{TeO}_2$ glass matrix	C. Horea, M. Toderas and I. Ardelean
16.	Rusu Dorina	Structural and magnetic behavior of $x\text{Fe}_2\text{O}_3\cdot(100-x)[\text{Bi}_2\text{O}_3\cdot\text{As}_2\text{O}_3]$ glass system	<u>Dorina Rusu</u> and I. Ardelean
17.	Timar Viorel	Structural investigation of $\text{MnO-B}_2\text{O}_3\text{-Ag}_2\text{O}$ glass system by EPR spectroscopy	V. Timar and I. Ardelean
18.	Toderas Monica	Structural changes induced by MnO addition in $\text{B}_2\text{O}_3\text{BaO}$ glass matrix	M. Toderas and I. Ardelean
19.	Ciceo-Lucacel Raluca	Characterization of $2\text{P}_2\text{O}_5\cdot\text{CaO}\cdot 0.1\text{ZnO}$ glass matrix dopped with silver oxide	Raluca Ciceo-Lucacel, Carmen Marcuis, A. O. Hulpus and I. Ardelean
20.	Baidoc S. C.	FT – IR and raman spectroscopic studies of $x\text{Ag}_2\text{O}\cdot(100-x)[3\text{B}_2\text{O}_3\cdot\text{As}_2\text{O}_3]$ glass system	<u>S. C. Baidoc</u> and I. Ardelean

No.	Name, forname	Paper	Authors
21.	Hulpus A. O.	Raman studies on CuO-B ₂ O ₃ -PbO-Ag ₂ O glass systems	A. O. Hulpus, R. Ciceo Lucacel, I. Ardelean
22.	Marcus Carmen	Structural studies of 2B ₂ O ₃ ·Li ₂ O·0.2GeO ₂ glass matrix doped with copper ions	Carmen Marcus, Raluca Ciceo-Lucacel and I. Ardelean
23.	Todea Milica	XPS study on silica–bismuthate glasses and glass ceramics	V. Simon, <u>M. Todea</u> , S. Simon
24.	Pascuta Petru	Magnetic behaviour of europium ions in bismuth-borate glass matrix	P.Pascuta, S.Rada, L.Pop, M.Bosca and E.Culea
25.	Pop Lidia	Structural and optical characteristics of some bismuthate glass with rare earth	Lidia Pop, Maria Bosca, Camelia Neamtu, Raveca Muntean, Eugen Culea
26.	Tripon Carmen	The Influence of Transition Metal Ions on the Structural Characteristics of Bismuthate Glasses	Carmen Tripon, Dana Toloman and Ioan Ardelean
27.	Rada S.	Effect of the introduction of gadolinium ions in boro tellurite glasses	S. Rada, E. Culea, M. Bosca, P. Pascuta
28.	Griguta Lidia	Structural and magnetic properties of lithium-borate glasses containing gadolinium ions	<u>Lidia Griguta</u> and I. Ardelean
29.	Ardelean Ovidiu	LaNi _{5-x} M _x alloy selection, suitable for hydrogen compressor	Ovidiu Ardelean, Alexandru Biris, Dan Lupu, Gabriel Popeneciu, Ioan Coldea, Ioan Misan, Valer Almasan
30.	Biris Alexandru	Multi wall carbon nanotube synthesis by inductive heating	A.R. Biris, D. Lupu, I. Misan, E. Dervishi, Zhongrui Li, S. Trigwell, A.S. Biris,
31.	Campean Valentin	Convective assembly of two-dimensional nanosphere lithographic masks	V. Cănpean, S. Astilean, T. Petrisor jr., M. Gabor and I. Ciascai
32.	Coldea Ioan	Ultrapure hydrogen thermal compressor based on metal hydrides for fuel cells and hybrid vehicles	V. Almasan, A. Biris, <u>I. Coldea</u> , D. Lupu, I. Misan, G. Popeneciu, O. Ardelean
33.	Cosma Viorica	Different catalysed sol-gel methods for obtaining silica- materials entrapping pyridilporphyrin	Corina Enache, Viorica Cosma, Cecilia Savii, Raluca Gavrilă, Eugenia Fagadar-Cosma
34.	Cosma Viorica	Thiocyanate and fluoride electrochemical sensors based on nanostructured metalloporphyrin systems	Dana Vlascici, Elena Maria Pica, Eugenia Fagadar-Cosma, Viorica Cosma, Otilia Bizerea
35.	Daian Iulia	Astaxanthin and β- cyclodextrin supramolecular associations investigated by ft-ir, dsc, x-ray diffraction and molecular modeling	I. Bratu, I. Daian, Gh. Tomoaia, Gh. Borodi, A. Mocanu, I. Kacso, M. Tomoaia-Cotisel
36.	Daian Iulia	Supramolecular associations of deferoxamine with β- cyclodextrin and their self-assemblies	I. Bratu, Gh. Tomoaia, G. Borodi, I. Daian, Cs. Racz, A. Mocanu, I. Kacso, S. Santa, M. Tomoaia-Cotisel
37.	Floare Calin Gabriel	Methyl-Substituted Pyridine-Water Complexes Revisited	C. G. Floare
38.	Dan Crina	Synthesis And Characterisation Of Some Copper Oxide Catalysts For Ozone Decomposition	Crina Dan, Elisabeth-Jeanne Popovici, Florica Imre, Nicolae Popovici, Petre Mărginean and Ioan Silaghi-Dumitrescu
39.	Dubert Diana	Interfacial properties of nanostructured lipid monolayers containing dimyristoyl phosphatidyl choline and neoglicolipid	V.V. Morariu, M. Tomoaia-Cotisel, D. Dubert, Gh. Tomoaia, R. Cimpean, O. Cozar, A. Mocanu
40.	Farcau C.	Two photon laser fabrication and characterization of silver microstructures	C. Farcau, J. Bosson, N. Tosa, G. Vitrant, O. Stephan, S. Astilean, P. L. Baldeck
41.	Hossu Mihaela	Structural and physical – chemical study of sandwich type heteropolyoxometalate with nuclear vanadium clusters	Mihaela Hossu, D. Rusu, Mariana Rusu, O. Cozar, L. David

No.	Name, forname	Paper	Authors
42.	Indrea Emil	Semiconductor Photoelectrodes for Solar Water Splitting	Emil Indrea, Simina Dreve, Dan Teofil Silipas, Gheorghe Mihailescu, Liliana Olenic, Virginia Danciu, Veronica Cosoveanu, Adrian Nicoara, Laura Elena Muresan , Elisabeth Jeanne Popovici, Violeta Popescu , Nascu Horea-Iustin, Vinteler Romulus Tetean , Gheorghe Lucian Baia , Terezia Nyari
43.	Indrea Emil	Nanocrystalline TiO ₂ For Photoelectrochemical Generation of Hydrogen	Emil Indrea, Simina Dreve, Dan Teofil Silipas, Gheorghe Mihailescu, Liliana Olenic, Virginia Danciu, Veronica Cosoveanu, Laura Elena Muresan , Elisabeth Jeanne Popovici, Violeta Popescu , Nascu Horea-Iustin, Vinteler Romulus Tetean , Gheorghe Lucian Baia , Terezia Nyari
44.	Iosin Monica	New Routes for the Synthesis of Gold Nanostructures as Potential Surface-Enhanced Raman Spectroscopy (SERS) Nanobioprobes	Monica Iosin, Felicia Toderas, Patrice Baldeck and Simion Astilean
45.	Lazar Mihaela	Isocyanide self assembled monolayer (sam) on gold surface – stability and reactions	Mihaela Lazar, Camelia Grosan, Valer Almasan, Robert Angelici
46.	Lupu Dan	Hydrogen desorption from alanates catalyzed by ball milling	D. Lupu , A.R. Biris, , I. Misan
47.	Magyari Klára	Investigation of Bioactive Nanostructured Bioglass Layers Deposited on Metallic Support	Klára Magyari, S. Simon, H. Mocuta, D. Lazar, F. Sima, I. N. Mihailescu
48.	Mihailescu Gheorghe	conductibility of GNP-amino acids structures	Gheorghe Mihailescu ¹ , Liliana Olenic ¹ , Stela Pruneanu ^{1,2} Ardelean Petru ¹ , Emil Indrea ¹ , Simina Dreve ¹ , T.Dan Silipas
49.	Mihailescu Gheorghe	Study of porphyrin cromophores as sensibilisators for photovoltaic solar cell	Gheorghe Mihailescu ¹ , Liliana Olenic ¹ , Stela Pruneanu ^{1,2} , Ardelean Petru ¹ , Emil Indrea ¹ , Simina Dreve ¹ , T.Dan Silipas ¹
50.	Muresan Laura	Preparation By Dip Coating Method And Characterisation Of WO ₃ Thin Films	Laura Muresan ¹ , Elisabeth-Jeanne Popovici ¹ , Adrian-Raul Tomsa ¹ , Laura Silaghi-Dumitrescu ^{1,2} , Lucian Barbu-Tudoran ³ And Emil Indrea ⁴
51.	Neamtu Camelia	Melt growth of pure and Mn ²⁺ :doped KPb ₂ Cl ₅ single crystals	C. Neamtu, Al. Darabont
52.	Neamtu Camelia	High precision measurements of thermal effusivity by photopyroelectric detection - experimental considerations	C. Neamtu, D. Dadarlat, M. Streza
53.	Niculescu Violeta	New electron-transfer complexes of transitional metals with bidentate ligands of the naphthoquinone series	Violeta Niculescu ¹ , Nicolae Muresan ² , Costinel Lepadatu ³
54.	Pop Cristian V. L..	Nanostructures characterized by dynamic light scattering	Cristian V.L. Pop, Adrian Pirnau, Loredana Soran, Isabell Craciunescu, Alexandrina Nan
55.	Popa Adriana	Magnetic, structural and magnetic rezonance characterizations. Influence of synthesis parameters	A. Popa, G.Mihailescu, E. Indrea, C. V. Pop, D. Toloman,O. Raita, L.M.Giurgiu
56.	Popeneciu Gabriel	Metal Hydride Reactors with improved dynamic characteristics for hydrogen compession	V. Almasan, A. Biris, I. Coldea, D. Lupu, I. Misan, G. Popeneciu, O. Ardelean

No.	Name, forname	Paper	Authors
57.	Popovici Elisabeth Jeanne	Studies On The Synthesis And Characterisation Of Metallic Fine Powders For Special Coatings	Elisabeth-Jeanne Popovici ¹ , Grigore Sigartau ¹ , Vladimir Graban ¹ , Adrian Cadis ¹ , Lelian Cioroianu ² And Adriana Bantas ²
58.	Raul Adrian	Ultrasound-Assisted Synthesis Of Nanocrystalline Zinc Sulphide Powders	Adrian-Raul Tomsa ¹ , Elisabeth-Jeanne Popovici ¹ , Adrian Cadis ¹ , Maria Stefan ^{1,2} , Lucian Barbu-Tudoran ³ , And Simion Astilean ⁴
59.	Sárközi Susana	Synthesis of Carbon Nanotubes from Benzene Derivatives Using a Spray-Pyrolysis Method	Zs. Sárközi, K. Kertész, A. A. Koós, Z. Osváth, L. Tapasztó, Z. E. Horváth, P. Nemes-Incze, I. Z. Jenei, Z. Vértesy, N. S. Daróczi, Al. Darabont, L.P. Biró
60.	Stefan Maria	Preparation and Characterisation of TiO ₂ Thin Films With Special Optical Properties	Maria Stefan, Elisabeth-Jeanne Popovici, Laura Mureşan, Alina Saponar, Rodica Grecu and Emil Indrea
61.	Marcu Anca	ESR studies on new transition metal complexes of mercaptothiadiazole-type ligands.	A. Marcu, L. David, M.M. Venter, V.N. Bercean, M. Ilici and I. Haiduc
62.	Marcu Anca Oana	Structural investigations of some transitional metals with histidine as ligand	A. Marcu, A. Stanila, M. Rusu, L. David
63.	Petean Ioan	Cysteine mediated assembly of gold nanoparticles	I. Petean, Gh. Tomoaia, O. Horovitz, A. Mocanu, M. Tomoaia-Cotisel
64.	Tomoaia-Cotisel Maria	Self-assembly of gold nanoparticles in the presence of arginine	L. Barbu-Tudoran, Gh. Tomoaia, O. Horovitz, A. Mocanu, M. Tomoaia-Cotisel
65.	Tosa Nicoleta	Fabrication of 3D metallic micro/nanostructures by two-photon absorption	N. Tosa, G. Vitrant, P.L. Baldeck, O. Stephan, and I. Grosu
66.	Tosa Valer	A numerical model for impurities diffusion from multilayered plastics into foodstuff	V. Tosa, P. V. Mercea, O.G. Piringier
67.	Vinteler E.	Designing the colour of photonic crystals for sensors applications	E. Vinteler, C. Farcau, S. Astilean
68.	Voica Cezara	The study of non-noxious ceramic colorants based on bismuth oxide	Cezara Voica
69.	Voica Cezara	Oxidic systems for ceramic coatings	Cezara Voica
70.	Zaharie Ioan	A Quantum Hydrodynamic Model for a Photovoltaic Cell	I. Zaharie, R. Negrea, D. Popov
71.	Beica Traian	Optical studies of the order in the lyotropic liquid crystals.	T. Beica, S. Frunza, R. Moldovan, I. Zgura, M. Poterasu, L. Frunza
72.	Zgura Irina Ionela	Polymer-clay nanocomposites: Physico-chemical characterization.	D. Donescu, I. Zgura, M. Ghiurea, R. Somoghi, L. Frunza, S. Frunza
T3 topic			
1.	Aluas Mihaela	New insights into supramolecular architectures by solid-state NMR ¹ H- ¹ H magnetization exchange	Mihaela Aluas, Carmen Tripon, Xenia Filip, Claudiu Filip
2.	Bratfalean Radu	Small angle scattering versus transmission for optical monitoring of aggregation processes	Radu Brăţfălean, Silvia Neamţu, Ioan Turcu,
3.	Coman Virginia	Thermal treatment effect on different bone matrices studied by FTIR spectroscopy	Virginia Coman, Rodica Grecu, Mihaela Băciuţ, Grigore Băciuţ, Viorica Şimon
4.	Streza M.	Sunflower oil degradation - study by high-performance liquid chromatography and accurate photopyroelectric calorimetry	M. Streza, I. Broş, M.L. Soran, J. Leistner, N. Dădărlat, C. Neamţu
5.	Niculescu Violeta	HPLC method for acetic acid determination from grapes juice	Violeta Niculescu, Roxana Lazar, Raluca Vremera, Vasile Stanciu, Radu Tamaian

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6.	Coman Virginia	HPLC determination of some synthetic sweeteners from different soft drinks and wines	Miuta Filip, <u>Virginia Coman</u> , Veronica Avram
7.	Coman Virginia	Separation and detection of some natural sweeteners from different wines by thin layer chromatography	Veronica Avram, Mihaela Vlassa, <u>Virginia Coman</u>
8.	Simon Stefania	Chromatographic and mass spectrometric methods for the detection of wine adulteration with sweeteners	Stefania Simon, Zaharie Moldovan and Virginia Coman
9.	Hopartean Ioana Stoica	Miniaturised sensors for volt/amperometry determination of some syntetic sweeteners in wines	Ioana Stoica Hopirtean, Ionel Hopartean ,Dacian Stoica-Hopirtean
10.	Culea Monica	Diagnosis of hepatic dysfunction diseases by isotopic dilution GC/MS	M. Culea, P. Chereches-Panta, M. Nanulescu, C. Mesaros
11.	Culea Monica	GC/MS determination of nutrients in biological samples	M. Culea, A. Pinteaa, M. Jimborean, O. Cozar
12.	Culea Monica	GC/MS study of sea buckthorn oil	Monica Culea , Andreea Iordache , Monica Nemtanu, R. Minea
13.	Culea Monica	GC/MS determination of volatile and semivolatile organic compounds	Monica Culea, Andreea Iordache, Onuc Cozar
14.	Tamaian Radu	Mass spectrometry a method for determination of deuterium in birds body under effect of water with low deuterium content	R. Tamaian, I. Stefanescu, Roxana Lazar.
15.	Avram Veronica	Mass spectrometric methods for determination of synthetic antioxidants	Z. Moldovan, O. Marincas and <u>Veronica Avram</u>
16.	Marincas Olivian	Determination of pesticide residues in water samples using GC/MS system after SPE pre-concentration	Zaharie Moldovan, <u>Olivian Marincas</u>
17.	Iordache Andreea Maria	GC/MS determination of volatile and semivolatile organic compounds	M. Culea, A. Iordache, O. Cozar
18.	Iordache Andreea Maria	GC/MS study of seabuckthorn oil	M. Culea, A. Iordache, M. Nemtanu, R. Minea
19.	Nicoara Simona	Mass spectra interpretation of newly synthesized dioxanic compounds with liquid crystals properties	Simona Nicoara, N. Palibroda, L. Tonidandel, P. Traldi, Nicoleta Tosa, Aniela Vizitiu
20.	Peter Vegh	High speed data acquisition of mass spectra on magnetic sector field instruments. Data processing and applications	<u>P. Vegh</u> , N. Palibroda, A. Pamula
21.	Ristoiu Dumitru	Disinfection byproducts formation after chlorination in Cluj - Napoca city	Kovacs Melinda Haydee, <u>Dumitru Ristoiu</u> and Urs Von Gunten
22.	Ristoiu Dumitru	Factors that influence the THMs formation kinetics during disinfection of drinking water in the distribution system	Kovacs Melinda Haydee, <u>Dumitru Ristoiu</u> , Urs Von Guntenand Radu Mihaiescu
23.	Muntean Edward	Non-suppressed ion chromatographic assesment of chloride, nitrate and sulfate in surface waters from fizes watershed	<u>E.Muntean</u> , Tania Mihaiescu, R.Mihaiescu, Nicoleta Muntean
24.	Pamula Adrian	Heavy metal traces in drinking water in Cluj-Napoca	<u>A. Pamula</u> , Cezara Voica, C. Cuna
25.	Cuna Cornel	GC-ion mobility spectrometer system experimentation	C.Cuna,D.Ursu,M.Leuca,Stela Cuna and A.Pamula
26.	Ioanoviciu Damaschin	Aberrations of Three Deflector Double Focusing Recoil Mass Spectrometers	D. Ioanoviciu, C. Ciortea, V. Cosma, C. Cuna, I. Albert
27.	Dadarlat Dorin	On the selection of the experimental parameters in a thermal-wave-resonator-cavity (TWRC) configuration	D. Dadarlat , C. Neamtu, R. Pop , M. Marinelli, F. Mercuri
28.	Pinteaa Stelian	Preparation and structural characterization by XRD and XAS of the supported gold catalysts	Mihaela Lazar, Valer Almasan, Stelian Pinteaa, Catalin Ducu, V. Malinovschi and Nicolae Aldea

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29.	Popescu Maria Cristina	Physical Characterization of Compatibilized Polyurethane-Based Biomaterials	Cornelia Vasile, Doina Macocinschi, <u>Maria Cristina Popescu</u> , Maria Lungu
30.	Popescu Stefan	Analog signal acquisition with non national instruments input board	C.Cuna, E.Indrea, <u>St.Popescu</u> , D.Ursu.
31.	Popescu Stefan	Digital signal acquisition with non national instruments input/output board.	C.Cuna, <u>St.Popescu</u> , M.Kaucsár
32.	Popovici Elisabeth Jeanne	Spectral investigations on niobium and rare earth activated yttrium tantalate powders	Elisabeth-Jeanne Popovici, Florica Imre-Lucaci, Laura Muresan, Maria Stefan, Ecaterina Bica, And Emil Indrea
33.	Ristoiu Tania	Thermal decomposition study by TG-MS-DTA of cerium [iii] acetylacetonate used as ceria thin film precursor	T. Ristoiu, L. Ciontea, R.-C. Suci, T.Petrisor -Jr., M.Gabor, G. Thalmayer, T. Petrisor
34.	Saponar Alina	Narrow RIM alkenyl calix[n]arene. Synthesis and spectral characterization	Alina Saponar, Elisabeth-Jeanne Popovici, Nicolae Popovici, Ecaterina Bica, Gabriela Nemes And Ioan Silaghi-Dumitrescu
35.	Suciu Ioan	Comparative study ICP and NAA for determining the heavy metals traces	<u>Ioan Suciu</u> , Constantin Cosma and Mihai Todica
36.	Tripon Carmen	New solid state-NMR methods for investigating molecular structure: the CHCC approach	<u>Carmen Tripon</u> , Mihaela Aluas, Xenia Filip, Claudiu Filip
37.	Tripon Carmen	Increasing the accuracy of structural investigations in molecular devices by advanced solid-state NMR methods	Carmen Tripon, Mihaela Aluas, Xenia Filip, <u>Claudiu Filip</u>
38.	Claudiu Filip	New methodological approaches in solid-state NMR	<u>Claudiu Filip</u> ¹ , Mihaela Aluas ² , Carmen Tripon ¹ , Xenia Filip ¹
39.	Venter Monica M.	Structure Determination of New Nitrogen-containing Heterocyclic Derivatives Using Single-crystal X-Ray Diffraction.	M.M. Venter, V.N. Bercean, A. Pascui, M. Ilici and I. Haiduc.
T4 topic			
1.	Neamtu Silvia	Fibroblasts aggregation monitoring by small angle light scattering measurement	Silvia Neamtu, Radu Bratfalean, Ioan Turcu, Ioana Baldea
2.	Bârlea Nicolae-Marius	Maxwell-Wagner effect in the human skin	Nicolae-Marius Bârlea, Sânziana Iulia Bârlea, Eugen Culea
3.	Bindea Constantin	The effect of magnetic field on Li ⁺ transport through human erythrocyte membranes	C. Bindea
4.	Boca Sanda	Two-photon photodynamic therapy of cancer cells using ruthenium(ii) complexes	S. Boca, A. Bonne, G. Lemerrier, C. Andraud, B. Van der Sanden, R. Clement, S. Astilean, P.L. Baldeck
5.	Bogdan Diana	¹ H NMR Study of Inclusion Complexes of Phenylurea Derivatives in α -Cyclodextrin	Diana Bogdan, Vincent Smith, Mihai Vasilescu, Mircea Bogdan, Mino R. Caira, Simion Simon
6.	Kacsó Irina	Solid and liquid state inclusion complexes of metoclopramid with β -cyclodextrin	<u>Irina Kacsó</u> , I. Bratu, Gh.Borodi and S.I. Farcas
7.	Bros Ildiko	Extraction and quantitative analysis of flavonoides from hydroalcoholic extracts of <i>Satureja hortensis</i>	I. Bros, S. Cobzac, E. Surducan, V. Surducan
8.	Bros Ildiko	Determination of optimal conditions for microwave-assisted extraction of bioactive compounds from <i>Satureja hortensis</i>	I. Bros, S. Cobzac, E. Surducan, V. Surducan, T. Hodisan
9.	Bucura Felicia	Recovery and purification of hydrogen using PSA technology	<u>Felicia Bucura</u> , David Elena, Marius Constantinescu, Sisu Claudia, Niculescu Violeta
10.	Buimaga-Iarinca Luiza	Ultrastructural changes of leaves in zero magnetic field. A quantitative images analysis	<u>Luiza Buimaga-Iarinca</u> , Silvia Neamtu, V.V. Morariu, C. Craciun
11.	Buimaga-Iarinca Luiza-Tania	Analysis of the erythrocyte flickering using the autoregressive model	Buimaga-Iarinca Luiza, Vasile V. Morariu, Calin Vamos, Cristian Pop

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12.	Chelcea Ramona	Microscopic networks properties correlations of gelly cosmetics materials	Ramona Chelcea, Eugen Culea and Radu Fechetete
13.	Constantinescu Marius	Activated carbons produced by biomass gasification used as eco-materials	Marius Constantinescu, David Elena, Felicia Bucura, Sisu Claudia, Niculescu Violeta
14.	Cosma Constantin	Using natural luminiscent materials and MCP-N (LiF:Mg,Cu,P) chips in environmental dosimetry	C. Cosma, Alida Timar, V. Benea, Daniela Ciorba, I. Pop
15.	Dreve Simina	Chitosan-based hydrogels with porphyrins for photodynamic therapy	Simina Dreve, Emil Indrea, Dan Teofil Silipas, Rodica-Mariana Ion, Rodica Cosgarea, Adriana Filip, Maria Perde-Schreppler, Ioana Brie
16.	Dreve Simina	Bioactivity of new chitosan formulations for photodynamic therapy	Simina Dreve, Emil Indrea, Dan Teofil Silipa, Rodica-Mariana Ion, Rodica Cosgarea, Adriana Filip, Maria Perde-Schreppler, Ioana Brie
17.	Farcas Sorin	Solid and liquid state inclusion complexes of some gastrointestinal drugs with β -cyclodextrin. Preliminary results	S.I.Farcas, I. Bratu, Irina Kacsó, Gh. Borodi and M. Bogdan
18.	Filip Xenia	New solid state-NMR techniques for investigating structure and dynamics in soft solids and biomaterials	Xenia Filip, Carmen Tripon, Mihaela Aluas, Claudiu Filip
19.	Florescu Diana	Influence of Anthropogenic Sources on the Carbon Oxides Levels and Monitoring by Mass Spectrometry and Gas Chromatography	Diana Florescu, G. Saros, Irina Saros, M. Constantinescu, V. Stanciu, Roxana Ionete
20.	Greco Dan	One-component spherically symmetric model of a non-necrotic tumor growth	D. Greco, A.S. Carstea, A.T. Greco, Anca Visinescu
21.	Kacso Irina	Solid state interactions of simvastatin with β -cyclodextrin	I. Bratu, Irina Kacso, Gh. Borodi, Ioana Mindrutau, Lucia Rus, M. Bojita
22.	Kaucsár Martin	Electrolytic Conductivity Detector in Pollutants Monitoring System	M.Kaucsár, C.Cuna
23.	Neamtu Silvia	Vegetative growth of plants in zero magnetic field	Silvia Neamtu, Vasile V. Morariu
24.	Niculescu Violeta	Valorification of biomass to produce hydrogen and psa purification method	Violeta Niculescu, Elena David, Vasile Stanciu, Marius Constantinescu, Felicia Bucura
25.	Petrescu I.	Global climatic reheating and its physical impact	I. Petrescu, D. Ristoiu, I. Haiduc and T. Ristoiu
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27.	Simon Viorica	Atomic environment changes induced by rare earths addition to heavy metal glasses	V. Simon, O. Ponta, S. Simon, M. Neumann
28.	Suciu Ioan	Variations of heavy metals concentration in soil at different depths in some Transylvanian areas	Ioan Suciu, Constantin Cosma and Mihai Todica
29.	Cristina Mihaela Barbu	The determination of the concentrations of heavy metals on the Jiu river using IPC- MS, and on the Olt river using AAS. Comparative research	Cristina Barbu, Anisoara Preda, Alexandru Popescu, Dan Selisteanu
30.	Schmutzer Gabriella	Photodegradation of organic pollutants under UV irradiation in the presence of TiO_2	Gabriella Schmutzer, Zaharie Moldovan, Virginia Danciu, Florin Vasiliu
31.	Surducan Vasile	Humidity and temperature meter device for continuous tracking of growing plants.	Vasile Surducan, Emanoil Surducan
32.	Toderas Felicia	Tuning Plasmon Resonances of Gold Nanoparticles by Controlling their Size and Shape	Felicia Toderas, Monica Baia, Dana Maniu and Simion Astilean
33.	Todica M.	Some physical properties of polymeric matrix with pharmaceutical applications	M. Todica, C.V. Pop, E. Dinte, S. Astilean

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34.	Tușa Florina	Determination of micropolluants in aqueous medium by liquid-liquid extraction and GC/MS method	<u>Florina Tusa</u> , Z. Moldovan, Cezara. Voica
35.	Truta Zamfir	Human haploid male cells trajectory in zero magnetic fields	Z.Truta, Stela Lerintiu, Marinela Garlovanu, V.V.Morariu
36.	Turcu Ioan	Angular spreading of scattered light used to investigate platelets aggregation	<u>Ioan Turcu</u> , Silvia Neamțu, Cristian V.L. Pop
37.	Vladu Mihaela	Experimental study about the determination of γ - activ isotopes from environmental samples (soil, vegetation, sediments)	<u>Mihaela Vladu</u> , Anisoara Preda, Felicia Vasut, Claudia Persica, Cristina Barbu.
38.	Vladu Mihaela	Calculation of the radionuclide dispersion in atmosphere, as results of operating a detritiation plant	<u>Mihaela Vladu</u> , Anisoara Preda, Felicia Vasut, Claudia Persica.
39.	Vremera Raluca	A new method for chlorinated organic compounds determination from drinking and residual waters	<u>Raluca Vremera</u> , Diana Costinel , Violeta Niculescu, Roxana Lazar, Vasile Stanciu
40.	Zainea Oana	Haemophilus influenzae 86-028NP Genome by Detrended Fluctuation Analysis	Oana Zainea, Vasile V. Morariu and Calin Vamos