

POSTER CONTRIBUTIONS**TUESDAY, AUGUST 28**

- PS1-01 **R. Holomb, V. Mitsa, E. Akalin, S. Akyuz, M. Sichka**
AB INITIO DFT AND RAMAN STUDY OF MEDIUM RANGE ORDERING IN g-GeSe₂
- PS1-02 **A. Akbay, K. Balci**
AN INVESTIGATION ON THE CONFORMATIONAL STRUCTURE AND VIBRATIONAL MOTIONS OF SULINDAC MOLECULE BY IR AND RAMAN SPECTROSCOPIC MEASUREMENTS AND DFT-BASED QUANTUM MECHANICAL CALCULATIONS
- PS1-03 **L.M. Andronie, O. Cozar, N. Peica, I. Domsa, S. Cîntă Pînzaru**
RAMAN SPECTROSCOPY OF THE HEMATOXYLIN-EOSIN STAINED TISSUE FROM PATIENTS WITH ADENOCARCINOMA
- PS1-04 **B. Atak, E. Akalin, S. Akyuz and S. Celik**
STRUCTURAL AND VIBRATIONAL STUDY ON AMRINONE DIMERS AND AMRINONE-H₂O COMPLEXES
- PS1-05 **K. Balci, Y. Akkaya, S. Akyuz**
A VIBRATIONAL SPECTROSCOPIC STUDY ON DANSYL FLUORIDE MOLECULE BY IR AND RAMAN SPECTROSCOPIC MEASUREMENTS AND DFT CALCULATIONS
- PS1-06 **C. Bayrak**
VIBRATIONAL SPECTROSCOPIC INVESTIGATION OF 2-AMINO-4-METHYLPYRIMIDINE TETRACYANONICKELATE COMPLEXES
- PS1-07 **L. Bistričić, V. Borjanović, L. Mikac and O. Shenderova**
RAMAN SPECTRA OF POLY(DIMETHYLSILOXANE) NANOCOMPOSITES
- PS1-08 **A. Brambilla, A. Filippidis, A. Nevin, G.Valentini and D. Anglos**
SURFACE ENHANCEMENT RAMAN SPECTRA OF AMINO ACIDS
- PS1-09 **A.B. Brizuela, L.C. Bichara, E. Romano, A. Yurquina, S. Locatelli and S.A. Brandán**
NORMAL COORDINATES ANALYSIS AND COMPLETE ASSIGNMENTS OF THE VIBRATIONAL SPECTRA OF SUCROSE IN SOLID PHASE
- PS1-10 **V. Canpean and S. Astilean**
NEW EVIDENCES FOR THE PRODUCTION OF *p,p'*-DIMERCAPTOAZOBENZENE THROUGH THE COUPLING REACTION OF *p*-AMINOTHIOPHENOL ON METALLIC NANOSTRUCTURES
- PS1-11 **S. Celik, S. Kecel, A.E. Ozel and S. Akyuz**
CONFORMATIONAL PREFERENCES AND VIBRATIONAL SPECTRA OF GLYCYL-TYROSINE DIPEPTIDE
- PS1-12 **A. Centrone, G. Von Maltzahn, J. Park, S.N. Bhatia, M.J. Sailor, T.A. Hatton**
GOLD NANORODS FOR IN VIVO CANCER SERS DETECTION AND PHOTOTHERMAL THERAPY
- PS1-13 **N. Cioica, R. Fechete, C. Cota, E.M. Nagy, O. Cozar, L. David**
NMR INVESTIGATION OF THE STRUCTURE OF CORN STARCH WITH PLASTICIZERS USED TO OBTAIN LOOSE FILL PACKING

- PS1-14** **M. Clupek, M. Dendisova, A. Kokaislova, V. Prokopec and P. Matejka**
OPTIMIZATION OF SERS SPECTROSCOPIC RESULTS: EFFECT OF METAL SELECTION AND EXCITATION WAVELENGTH USED
- PS1-15** **I.B. Cozar, N. Vedeanu, A. Pîrnău, O. Oniga, C. Moldovan, C.M. Lucaciu**
SPECTROSCOPIC INVESTIGATION OF A NEW THIAZOLIDINE COMPOUND WITH ANTIMICROBIAL POTENTIAL
- PS1-16** **A. Pîrnău, N. Vedeanu, I.B. Cozar, C. Moldovan, O. Oniga, O. Cozar**
IR, RAMAN AND NMR INVESTIGATION OF A NEW BENZALDEHYDE ISONICOTINO-HYDRAZIDE COMPOUND
- PS1-17** **A. Mot, R. Silaghi-Dumitrescu, L. Bolojan and G. Damian**
EPR STUDY OF QUERCETIN RADICALS PRODUCED BY LACCASE
- PS1-18** **R.M. Pinto, A.A. Dias, G. Levita, P. Rodrigues, M.T. Barros, J.M. Dyke, M.L. Costa**
THERMAL DECOMPOSITION OF 3-AZIDOPROPIONITRILE STUDIED BY UV PHOTOELECTRON SPECTROSCOPY AND MATRIX-ISOLATION IR SPECTROSCOPY
- PS1-19** **A. Dijanošić, S. Miljanić, J. González Garcia, E. García-España, I. Piantanida**
STUDY OF INTERACTIONS BETWEEN DNA/RNA NUCLEOTIDES AND PHENPOD BY SURFACE ENHANCED RAMAN SPECTROSCOPY
- PS1-20** **M. Dvořák, M. Michl, T. Staněk, N. Almonasy and M. Nepraš**
EXCITED STATE DYNAMICS OF AMINOARYL-TRIAZINE COMPOUNDS
- PS1-21** **N. Eremina, A. Barth**
INFRARED SPECTROSCOPIC STUDIES OF A PROTON PATHWAY IN THE Ca²⁺ ATPASE
- PS1-22** **A. Falamas, M. Chiş, S. Cîntă Pînzaru, N. Leopold, C. Căinap, V. Chiş**
EXPERIMENTAL AND THEORETICAL STUDIES OF DACARBAZINE ANTI-CANCER CHEMOTHERAPY DRUG
- PS1-23** **A.A. Fedorenko, S.E. Zhuravleva**
SPECTROSCOPIC METHOD IN THE STUDY OF TALLUS OF TOLERANT LICHEN SPECIES
- PS1-24** **P. Filipczak, M. Kozanecki**
RAMAN RESONANCE EFFECT IN WATER SOLUTIONS OF SILVER NANOPARTICLES
- PS1-25** **A.M. Găbudean, J. Navarro, F. Lerouge, G. Micouin, S. Astilean, S. Parola, C. Andraud, P. Baldeck**
INVESTIGATION OF FLUOROPHORE-METAL INTERACTION AT SINGLE NANOPARTICLE LEVEL USING OPTICAL MICROSCOPY AND SPECTROSCOPY
- PS1-26** **Y. Gören, Y. Akkaya, S. Akyüz**
CONFORMATIONAL AND VIBRATIONAL SPECTROSCOPIC ANALYSIS OF AMILORIDE MOLECULE
- PS1-27** **H.M. Heise, K. Karch and L. Küpper**
DETERMINATION OF HYDROCARBONS USING INFRARED FIBER-OPTIC SPECTROSCOPY FOR ENVIRONMENTAL POLLUTION ANALYTICS
- PS1-28** **K.S. Loumonvi, N.C. Kozik, K. Stadlander, L. Küpper and H.M. Heise**
COMPARISON OF DIFFERENT MEASUREMENT TECHNIQUES FOR THE INFRARED SPECTROSCOPIC CHARACTERISATION OF BACTERIA

- PS1-29** I. Hurjui, D.O. Dorohoi
SOLVENT INFLUENCE ON THE ELECTRONIC SPECTRA OF 1,6-DIPHENYL-1,3,5-HEXATRIENE IN TERNARY SOLUTIONS
- PS1-30** I. Hurjui, A. Neamtu, D.O. Dorohoi
CONCENTRATION INFLUENCE OF FLUORESCENT DPH PROBE ON THE STRUCTURE AND MOBILITY POPC MODEL MEMBRANES: A MOLECULAR DYNAMICS STUDY
- PS1-31** R. Isai, C. Morari, V. Chiş
THE INFLUENCE OF MOLECULE-METAL JUNCTION TO CHARGE AND SPIN TRANSPORT THROUGH SMALL MOLECULES
- PS1-32** C.M. Scoban, L.M. Ivan
THEORETICAL STUDIES OF SOME PYRIDINE MOLECULAR COMPLEXES
- PS1-33** T.M. James, S. Napoli, A.S. Alshahrie and H.H. Telle
RAMAN SPECTROSCOPY AND DEPOLARIZATION MEASUREMENTS OF ATMOSPHERIC GASES
- PS1-34** B. Jović, A. Nikolić, S. Petrović
FT IR SPECTROSCOPIC STUDY OF HYDROGEN BONDING AND SOLVENT INDUCED FREQUENCY SHIFTS OF N-t-BUTYL ACETAMIDE
- PS1-35** S. Kecel, A.E. Ozel, S. Celik and S. Akyuz
CONFORMATIONAL AND VIBRATIONAL SPECTRAL ANALYSES OF GLYCYL-GLUTAMINE DIPEPTIDE, BASED ON IR, RAMAN AND DFT CALCULATIONS
- PS1-36** J.J. Klaassen, I.D. Darkhalil, J.R. Durig
CONFORMATIONAL AND STRUCTURAL STUDIES OF N-PROPYLAMINE FROM TEMPERATURE DEPENDENT RAMAN AND FAR INFRARED SPECTRA OF XENON SOLUTIONS AND AB INITIO CALCULATIONS
- PS1-37** S. Malhotra
THE ABSORPTION AND FLUORESCENCE SPECTRA OF SOME SELECTED SYNTHETIC CYCLIC CHALCONE ANALOGUES IN ORGANIC SOLVENTS: SOLVENT AND SUBSTITUENT EFFECT
- PS1-38** N. Kuş, A. Sharma, I. Peña, M.C. Bermúdez, J.L. Alonso and R. Fausto
JET COOLED ROTATIONAL STUDIES OF B-AMINOISOBUTYRIC ACID AND NIR-INDUCED CONFORMATIONAL ISOMERIZATION OF THE COMPOUND IN SOLID NITROGEN
- PS1-39** E. Romano, S. Locatelli and S.A. Brandán
A STRUCTURAL AND VIBRATIONAL INVESTIGATION OF ZINC DIFLUOROMETHYLSULFONYL COMBINING THE FTIR AND RAMAN SPECTRA WITH AB-INITIO CALCULATIONS
- PS1-40** A. Loewenschuss, M. Rozenberg and C.J. Nielsen
H-BONDED CLUSTERS IN THE TRIMETHYLAMINE (TMA)/WATER SYSTEM
- PS1-41** A. Loewenschuss, M. Rozenberg and C.J. Nielsen
COMPLEXATION AND IONIZATION IN THE SAME MATRIX LAYER
- PS1-42** R. Luchian, I. Kostova, S. Cinta-Pinzaru, V. Chiş
VIBRATIONAL AND THEORETICAL STUDIES OF Nd(III) AND Ce(III) COMPLEXES WITH OROTIC ACID

- PS1-43 **M. Maciążek-Jurczyk, A. Sułkowska, J. Równicka-Zubik, A. Szkudlarek-Haśnik, W.W. Sułkowski**
TREATMENT OF NONSTEROIDAL ANTIINFLAMMATORY DRUGS IN RHEUMATOLOGY. SPECTROFLUORESCENCE STUDY
- PS1-44 **J. Równicka-Zubik, A. Sułkowska, M. Toborek, M. Maciążek-Jurczyk, I. Zubik-Skupień, W.W. Sułkowski**
DETERMINATION OF THE SPECIFIC INTERACTION OF PCB'S AND HUMAN SERUM ALBUMIN. IN VITRO SPECTROSCOPIC STUDIES
- PS1-45 **I. Zubik-Skupień, J. Równicka-Zubik, A. Sułkowska, M. Maciążek-Jurczyk, W.W. Sułkowski**
BINDING OF ASPIRIN TO SERUM ALBUMIN AND α_1 -ACID GLYCOPROTEIN: A COMPARATIVE STUDY
- PS1-46 **A. Sułkowska, A. Szkudlarek-Haśnik, M. Maciążek-Jurczyk, J. Równicka-Zubik, I. Zubik-Skupień, W.W. Sułkowski**
THE EFFECT OF GLYCATION OF PROTEIN ON THE KETOPROFEN BINDING
- PS1-47 **S. Gosav, D. Maftei and M.L. Birsa**
EXPERIMENTAL (FTIR AND NMR SPECTRA) AND THEORETICAL (DFT) STUDY OF NOVEL FLAVANONES
- PS1-48 **D. Maftei, I. Humelnicu, S. Gosav, Gh. Zbancioc, I. Mangalagiu**
ORIGIN OF FLUORESCENCE LOSS IN BENZOYL-SUBSTITUTED PYRROLOPYRIDAZINES BY TIME-DEPENDENT DFT
- PS1-49 **S.A. Markarian, H.R. Sargsyan**
THE SPECTROPHOTOMETRIC STUDY OF THE BINDING OF VITAMIN E TO WATER+DIALKYL SULFOXIDE/AOT/HEPTAN REVERSED MICELLES
- PS1-50 **Sz. Berényi, J. Mihály, L. Naszályi Nagyné, S. Kristyán, J. Telegdi, A. Bóta**
FTIR INVESTIGATION OF INTERACTION BETWEEN POLY(MALIC ACID) DERIVATIVES AND DPPC LIPOSOMES
- PS1-51 **O. Kokkinaki, C. Mihesan, M. Velegrakis, D. Anglos**
LASER INDUCED BREAKDOWN SPECTROSCOPY (LIBS) AND MASS SPECTROSCOPY (MS) ANALYSIS OF CULTURAL HERITAGE MATERIALS
- PS1-52 **A. Milani, M. Tommasini and C. Castiglioni**
THE CHIRI PROGRAM: ATOMIC CHARGES FROM IR INTENSITY
- PS1-53 **S. Miljanić, A. Dijanošić, M. Kalac, M. Radić Stojković, I. Piantanida, D. Pawlica and J. Eilmes**
BINDING MODES OF A DBTAA DERIVATIVE WITH DNA/RNA POLYNUCLEOTIDES REVEALED BY SERS
- PS1-54 **P. Mojzeš, I. Šloufová, V. Peksa, J. Palacký and B. Vlčková**
KINETICS STUDIES OF SERS HOT-SPOTS FORMATION
- PS1-55 **Cs. Müller, L. David, M. Oltean, S. Cintă Pînzaru**
CHEMICALS DETECTION IN FRUIT CONSERVATION TREATMENT USING SURFACE-ENHANCED RAMAN SCATTERING
- PS1-56 **C.M. Muntean, N. Leopold, A. Halmagyi, and S. Valimareanu**
SURFACE-ENHANCED RAMAN SCATTERING OF GENOMIC DNA FROM LEAVES OF DIFFERENT PLANT SPECIES
- PS1-57 **C. Nadejde, D. Creanga, V. Nica, A. Airinei and A. Condrea**
SPECTRAL STUDY ON THE HOST-GUEST INTERACTION APPLICATION IN TARGETED DRUG DELIVERY

- PS1-58 **A. Rogojanu, D. Dorohoi, C. Nadejde and D.E. Creanga**
SPECTRAL AND QUANTUM CHEMICAL INVESTIGATION OF
PHTHALAZINIUM-DIBENZOYL METHYLIDE
- PS1-59 **M. Oltean, C. Samfira, E. Meheș, N. Leopold, V. Chiș**
POTENTIAL ENERGY SURFACES OF π -CONJUGATED MOLECULES
CALCULATED USING DFT-D AND DFT-DCP METHODS
- PS1-60 **A.E. Ozel, S. Kecel, S. Celik and S. Akyuz**
STRUCTURAL AND VIBRATIONAL SPECTROSCOPIC ELUCIDATION OF
SULPIRIDE IN SOLID STATE
- PS1-61 **A. Padilla and J. Pérez**
SIMULATED VIBRO-ROTATIONAL FUNDAMENTAL BAND OF HCL
DILUTED IN DENSE AR
- PS1-62 **T. Pazderka, K. Hofbauerová, V. Kopecký Jr.**
COMPARISON OF STRUCTURE AND DYNAMICS OF HUMAN
HAPTOGLOBIN PHENOTYPES MONITORED BY VIBRATIONAL
SPECTROSCOPY
- PS1-63 **M. Pazderková, E. Kočišová, T. Pazderka, P. Souček, P. Maloň,
V. Kopecký Jr., L. Bednářová**
ANTIMICROBIAL PEPTIDE FROM EUSOCIAL BEE *Halictus sexcinctus*
INTERACTING WITH MODEL MEMBRANES
- PS1-64 **R. Świsłocka, J. Piekut, E. Bajko, W. Lewandowski**
PHYSICO-CHEMICAL (SPECTROSCOPIC: FT-IR, RAMAN, UV AND ^1H , ^{13}C
NMR) STUDIES OF Mn(II), Fe(III), Co(II), Cu(II), Zn(II), Cd(II) VANILLATES
- PS1-65 **J. Piekut, A. Danczowska-Burdon, R. Świsłocka, Z. Rzączyńska**
SPECTROSCOPY OF ISOMERIC PYRIDINEDICARBOXYLIC ACIDS AND
THEIR SODIUM SALTS. MICROBIOLOGICAL STUDIES
- PS1-66 **K. Piela, M.M. Szostak**
VIBRONIC COUPLINGS IN OPTICALLY NONLINEAR N-BENZYL-2-
METHYL-4-NITROANILINE CRYSTAL STUDIED BY RESONANCE
RAMAN AND UV-VIS SPECTROSCOPY
- PS1-67 **A. Pîrnău, L. Szabo, M. Palage, R.A. Varga, V. Chiș**
STRUCTURAL STUDIES OF 2-PHENYL-THIAZOLE-4-YL-METHYL-
QUINOLINIUM IODINE
- PS1-68 **A. Polyanichko, E. Chikhirzhina**
INVESTIGATION OF THE COMPLEXES BETWEEN DNA AND
CHROMOSOMAL PROTEINS USING IR/VCD SPECTROSCOPY
- PS1-69 **S.C. Pop, T.A. Beu**
VIBRATIONAL SPECTROSCOPY OF THIOPHENE-FULLERENE DYADS
- PS1-70 **M. Potara, S. Boca, E. Licarete, A. Damert, M.T. Chiriac, M. Alupei,
M. Banciu, O. Popescu and S. Astilean**
CHITOSAN-COATED ANISOTROPIC SILVER NANOPARTICLES AS A
NOVEL CLASS OF SERS NANO-TAGS INSIDE LIVING CELLS
- PS1-71 **E. Regulska, R. Świsłocka, M. Samsonowicz, W. Lewandowski**
SPECTROSCOPIC AND THEORETICAL STUDY ON ALKALI METAL
PHENYLACETATES

- PS1-72 **E. Regulska, M. Kalinowska, S. Wojtulewski, A. Korczak, J. Sienkiewicz-Gromiuk, Z. Rzączyńska, W. Lewandowski**
SPECTROSCOPIC (FT-IR, FT-RAMAN, ¹H AND ¹³C NMR),
THERMOGRAVIMETRIC AND THEORETICAL STUDIES OF GENTISIC
ACID AND SODIUM, COPPER(II) AND CADMIUM(II) GENTISATES
- PS1-73 **M. Roman, A. Kaczor, J.Cz. Dobrowolski and M. Baranska**
STRUCTURAL CHANGES OF BETA-CAROTENE AND SOME RETINOID
PHARMACEUTICALS INDUCED BY ENVIRONMENTAL FACTORS
- PS1-74 **M. Roman, J. Mesjasz-Przybyłowicz, A. Barnabas, W. Przybyłowicz, H. Schulz
and M. Baranska**
FT-IR IMAGING AND FT-RAMAN MAPPING OF Ni-
HYPERACCUMULATING AND NON-HYPERACCUMULATING
GENOTYPES OF *SENECIO CORONATUS*
- PS1-75 **E. Romano and S.A. Brandán**
VIBRATIONAL STUDY OF 2-[2,6-DICHLOROPHENYLIMINO]
IMIDAZOLIDINE BASED ON DFT CALCULATIONS AND SQMFF
METHODOLOGY
- PS1-76 **V. Crupi, M. Giarola, G. Guella, D. Majolino, I. Mancini, G. Mariotto,
A. Paciaroni, B. Rossi and V. Venuti**
LOW-WAVENUMBER RAMAN SCATTERING STUDY OF INCLUSION
PHENOMENA IN BETA-CYCLODEXTRINS: EFFECT ON THE BOSON PEAK
- PS1-77 **M. Samsonowicz**
MOLECULAR STRUCTURE OF PHENYL- AND PHENOXYACETIC ACIDS –
SPECTROSCOPIC AND THEORETICAL STUDY
- PS1-78 **R. Świsłocka, E. Regulska, M. Samsonowicz, W. Lewandowski**
EXPERIMENTAL AND THEORETICAL STUDY ON BENZOIC ACID
DERIVATIVES
- PS1-79 **V. Saracut, C. Farcau, and S. Astilean**
PLASMONIC PROPERTIES AND SURFACE ENHANCED RAMAN
SCATTERING ON LINEAR ARRAYS OF GOLD HALF-SHELLS
- PS1-80 **E. Shufan, A. Salman, L. Zeiri, and M. Huleihel**
RAMAN SPECTROSCOPY FOR IDENTIFICATION OF DIFFERENT CELL
CULTURE CONTROLS AND VIRUS INFECTED
- PS1-81 **P. Šimáková, L. Štolcová, M. Procházka and J. Proška**
SERS OF PORPHYRINS FROM REGULAR METAL NANOSTRUCTURES
- PS1-82 **T. Simon, S.C. Boca, P. Baldeck and S. Astilean**
SPECTROSCOPIC INVESTIGATION AND ASSESSMENT OF METHYLENE
BLUE LOADED GOLD-PLURONIC NANOPARTICLES FOR APPLICATION
IN PHOTODYNAMIC THERAPY
- PS1-83 **A. Staicu, A. Pascu, M. Enescu and M.L. Pascu**
PHOTOPHYSICAL STUDY OF ZN PHTHALOCYANINE IN SOLVENT
MIXTURES
- PS1-84 **T. Staněk, M. Michl, M. Dvořák, N. Almonasy, M. Nepraš, P. Mojžeš**
RAMAN SCATTERING STUDY OF 1-AMINOPYRENE DERIVATIVES
- PS1-85 **S. Suărășan, M. Focșan, S. Susman, D. Maniu and S. Aștilean**
SERS MONITORING OF NEW CHEMOTHERAPEUTIC AGENT BASED ON
DOXORUBICIN LOADED GOLD NANOPARTICLES

- PS1-86 **M. Maliszewska, A. Sułkowska, M. Maciążek-Jurczyk, J. Równicka-Zubik, A. Góra**
TAMOXIFEN AND CURCUMIN BINDING TO SERUM ALBUMIN.
SPECTROSCOPIC STUDY
- PS1-87 **J. Polak, M. Bartoszek, M. Żądło, A. Sułkowska, W.W. Sułkowski**
THE IR STUDY OF HUMIC ACIDS EXTRACTED FROM SEDIMENT AT
GOCZAŁKOWICE DAM RESERVOIR BEFORE AND AFTER FLOOD
- PS1-88 **M. Żądło, M. Bartoszek, J. Polak, A. Sułkowska, A. Kos, W.W. Sułkowski**
THE USE OF UV/VIS AND EPR SPECTROSCOPY TO STUDY OF HUMIC
ACIDS EXTRACTED FROM SEWAGE SLUDGE
- PS1-89 **I. Szabó, S. Yurchenko, J. Tennyson and A. Császár**
TOWARD AN ACCURATE LINE LIST OF THE C₂ MOLECULE
- PS1-90 **I. Szabó, K. Herman, N. Leopold, V. Chiş**
SURFACE-ENHANCED RAMAN SCATTERING AND DFT INVESTIGATION
OF 1,5-DIPHENYLCARBAZIDE AND ITS METAL COMPLEXES WITH
Mn(II), Fe(III), Cu(II) AND Pb(II)
- PS1-91 **M. Szafran, I. Kowalczyk, A. Katrusiak, Z. Dega-Szafran**
STRUCTURE AND SPECTROSCOPIC PROPERTIES OF 4-AMINO-
PYRIDINIUM-1-PROPIO BETAINE HYDROBROMIDE HEMIHYDRATE
- PS1-92 **M. Gavare, A. Nescerecka, M. Grube, K. Tihomirova, L. Mezule and T. Juhna**
FT-IR SPECTROSCOPY ANALYSES FOR RESPONSE OF CLOSTRIDIUM
STRAINS IN CONVERTING ENZYMATICALLY HYDROLYZED HAY
- PS1-93 **D. Tira, M. Potara, C. Tira, and S. Astilean**
NAKED - EYE AND SERS DETECTION OF SOME POLLUTANTS IN WATER
BY INDUCING CONTROLLED AGGREGATION OF GOLD
NANOPARTICLES
- PS1-94 **I.Sz. Tódor, N. Leopold and V. Chiş**
INFLUENCE OF CHLORIDE IONS AND LASER WAVELENGTH ON THE
SERS SPECTRUM OF PARA-AMINOTHIOPHENOL
- PS1-95 **O.-G. Tudose, D.-O. Dorohoi and I. Balin**
OPTICS OF LIDAR SYSTEM USED FOR SPECTROSCOPIC MONITORING
OF AIR POLLUTION
- PS1-96 **A.A. Kamnev, A.V. Tugarova, V.Yu. Gorshkov, O.E. Petrova, Yu.V. Gogolev,
E.V. Pavlovich, P.A. Tarantilis and M.G. Polissiou**
FTIR SPECTROSCOPIC MONITORING OF *IN SITU* METABOLIC CHANGES
IN BACTERIA RELATED TO POLYHYDROXYALKANOATE
ACCUMULATION
- PS1-97 **A. Ungurean, M. Oltean, L. David, N. Leopold, V. Chiş**
A SPECTROSCOPIC STUDY OF SULFAMETHOXAZOLE ADSORBED ON
SILVER NANOPARTICLES
- PS1-98 **V. Volovšek, V. Dananić, L. Bistričić, I. Movre Šapić and K. Furić**
RAMAN SPECTRUM OF AMINOPROPYLSILANETRIOL IN VAPOR

THURSDAY, AUGUST 30

- PS2-01 A. Adamczyk**
STRUCTURAL STUDIES OF Ag CONTAINING THIN FILMS OF TiO₂ – SiO₂ AND Al₂O₃- TiO₂ SYSTEMS DEPOSITED BY SOL-GEL METHOD
- PS2-02 A. Adamczyk**
THE FTIR SPECTROSCOPY STUDIES OF ONE-COMPONENT AND MULTI-COMPONENT GELS IN Al₂O₃-TiO₂, Al₂O₃-SiO₂, TiO₂-SiO₂ AND Al₂O₃-TiO₂-SiO₂ SYSTEMS
- PS2-03 M.T. Aytekin, A. Ünal, H. Berber, İ. Kani**
SYNTHESIS, CHARACTERIZATION AND THEORETICAL STUDY OF 2,2'-(1,2-PHENYLENEBIS(AZAN-1-YL-1-YLIDENE))BIS(METHAN-1-YL-1-YLIDENE)BIS(4-BROMOPHENOL)
- PS2-04 M. Baia, Zs. Pap, K. Noren, A. Dombi, K. Mogyorosi, L. Pop, G. Kovács, A. Vulpoi, V. Danciu, L. Baia**
STRUCTURAL PROPERTIES OF TiO₂/WO₃/NOBLE METAL BASED SYSTEMS BY SPECTROSCOPIC INVESTIGATIONS
- PS2-05 V. Iancu, I.J. Hidi, A. Radu, G. Melinte, L. Baia, V. Canpean, V. Danciu, S. Astilean, and M. Baia**
ASSESSING THE CHEMICAL POLLUTANTS DETECTION AND THEIR PHOTODEGRADATION BY SPECTROSCOPIC METHODS
- PS2-06 M. Król, W. Mozgawa, K. Barczyk, M. Kozanecki, T. Bajda**
APPLICATION OF INFRARED AND RAMAN SPECTRA IN THE STUDIES OF HEAVY METAL CATIONS SORPTION ON ZEOLITES
- PS2-07 M. Król, W. Mozgawa, K. Barczyk**
IR AND RAMAN SPECTRA OF ZEOLITES FROM DIFFERENT STRUCTURAL GROUPS
- PS2-08 A.I. Barzic, C. Hulubei, D.O. Dorohoi and V. Harabagiu**
TRANSPARENCY AND ABSORPTION EDGES OF SOME NEW COPOLYIMIDES CONTAINING SILOXANE AND ALICYCLIC UNITS
- PS2-09 Zs. Benyey, M. Tăuțan, M. Niculae, E. Vanea, C. Gruian, M. Spinu, V. Simon**
ANTIBIOTICS LOADING AND RELEASE FROM BONE IMPLANT SCAFFOLDS FOR THE PREVENTION OF INFECTIONS
- PS2-10 N. Leopold, O.M. Buja, N.E. Mircescu, O.T. Marișca, V. Chiș**
ONE STEP SYNTHESIS OF GOLD NANOPARTICLES USING POLYETHYLENE GLYCOL
- PS2-11 K. Bułat, M. Sitarz, A. Wajda**
CRYSTALLIZATION OF SILICATE-PHOSPHATE GLASSES OF NaCaPO₄-SiO₂ SYSTEM
- PS2-12 L.-I. Buruiana, E. Avram, A. Popa, V.E. Musteata, S. Ioan**
BROADBAND DIELECTRIC RELAXATION OF NEW QUATERNIZED POLYSULFONE
- PS2-13 S. Cavalu, F. Banica, V. Simon, L. Tirle, I. Akin, G. Goller**
SURFACE MODIFICATIONS OF ALUMINA/ ZIRCONIA BIOCERAMICS UPON DIFFERENT FLUORIDE-BASED TREATMENTS

- PS2-14** **R. Chelcea, S. Rada, P. Pascuta, T. Ristoiu, L. Pop, M. Bosca, I. Coroiu, E. Culea**
STRUCTURAL AND OPTICAL PROPERTIES IN GADOLINIUM-ALUMINIUM-LEAD-GERMANATE QUATERNARY GLASSES
- PS2-15** **K. Won-in, Y. Thongkam, T. Kamwanna, S. Intarasiri, S. Satitkune, T. Leelawathanasuk, P. Dararutana**
RAMAN SPECTROSCOPIC STUDY OF ANCIENT GLASS BEADS FOUND IN THAILAND
- PS2-16** **Z. Dega-Szafran, G. Dutkiewicz, Z. Kosturkiewicz, M. Szafran**
THE COMPLEX OF N-METHYLPYPERIDINE BETAINE WITH SQUARIC ACID. STRUCTURAL, SPECTROSCOPIC AND THEORETICAL STUDIES
- PS2-17** **Mi. Postolache, L. Ursu, Ma. Postolache, D.-O. Dorohoi**
KERR EFFECT IN POLY-g-BENZYL-L- GLUTAMATE (PBG) SOLUTIONS
- PS2-18** **L. Ursu, Mi. Postolache, Ma. Postolache and D.O. Dorohoi**
BIREFRINGENCE AND DICHROISM OF POLY (VINYL ALCOHOL) STRETCHED FOILS CONTAINING PYRIDAZINIUM YLID MOLECULES
- PS2-19** **N. Melniciuc Puică, D.O. Dorohoi**
HOW THE VARNISH LAYERS CAN MODIFY THE LIGHT SCATTERED AND REFLECTED BY PICTURAL SURFACES
- PS2-20** **I. Humelnicu, D. Humelnicu, C.F. Dascalu, D.O. Dorohoi**
SPECTRAL STUDY OF 3,3',3",3'''-((1E,1'E,1"E,1"''E)-([1,1'-BIPHENYL]-3,3',4,4'- TETRAYLTETRAKIS(AZANYLYLIDENE))TETRAKIS (METHANYLYLIDENE))TETRAKIS(NAPHTHALEN-2-OL),(NAFTALDAB),IN CONDENSED MEDIA
- PS2-21** **E. Dorolti, E. Janod, L. Cario, B. Corraze and V. Pop**
DOPING OF FERROMAGNETIC MOTT INSULATORS: TOWARDS THE CONTROL OF TUNNEL AND COLOSSAL MAGNETORESISTANCES
- PS2-22** **L. Dumitrascu, J.L. Figueirinhas, C. Cruz, I. Dumitrascu, and D.O. Dorohoi**
INFLUENCE OF THE AIRY-FRESNEL TRANSMITTANCES ON THE MICHELSON INTERFERENCE PATTERNS OBTAINED WITH A ROTATING CELL FILLED WITH A UNIAXIAL LIQUID CRYSTAL
- PS2-23** **C.G. Floare, A. Pirnau, A. Mocanu, M. Tomoia-Cotisel, M. Bogdan**
DETAILED INVESTIGATION OF BETA-CYCLODEXTRIN INCLUSION COMPLEX WITH DESFERIOXAMINE B CHELATOR
- PS2-24** **D. Florescu, A. Iordache, E. Horj, R. Ionete, M. Culea**
BTEX EXPOSURE ASSESSMENT OF AMBIENT AIR
- PS2-25** **A. Iordache, E. Horj, D. Florescu, M. Culea**
FREE AMINO ACIDS STUDY DURING SALAMI FERMENTATION
- PS2-26** **A. Gajović, I. Jerčinović, I. Bosak, M. Dutour Sikirić, D. Iveković, V. Babić Ivančić**
STUDY OF INTERACTION BETWEEN CALCIUM PHOSPHATES AND TITANATE NANOTUBES
- PS2-27** **M. Grube, M. Gavare, I. Strazdina, I. Dimanta and U. Kalnenieks**
EVALUATION OF CHEESE WHEY LACTOSE CONCENTRATION IN *e. COLI* HYDROGEN FERMENTATION BY FT-IR SPECTROSCOPY
- PS2-28** **C. Gruian, A. Vulpoi, B. Oprea, H.-J. Steinhoff, S. Simon, V. Simon**
EFFECT OF GLUTARALDEHYDE ON HEMOGLOBIN ADSORPTION ONTO SILVER CONTAINING BIOACTIVE GLASS

- PS2-29 **V. Gupta, C.A. Rice, J.P. Maier, A. Le and T.C. Steimle**
ELECTRONIC SPECTRA OF ZIRCONIUM DIOXIDE
- PS2-30 **E. Horj, D. Florescu, A. Iordache, C. Mesaros, R. Vulturar and M. Culea**
PKU MONITORING BY ISOTOPIC DILUTION GC/MS METHOD
- PS2-31 **E. Horj, D. Florescu, A. Iordache, D. Cocan and M. Culea**
GC/MS ANALYSIS OF FATTY ACIDS IN TROUT PLASMA AND MEAT
- PS2-32 **C. Hulubei, A.I. Barzic, D. Popovici and I. Stoica**
MORPHOLOGICAL MODIFICATION OF SOME POLYIMIDE PRECURSORS
BASED ON ALICYCLIC DIANHYDRIDES BY A LYOTROPIC LIQUID
CRYSTAL MATRIX
- PS2-33 **V. Iancu, G. Melinte, L. Baia, V. Danciu and M. Baia**
SPECTROSCOPIC ANALYSES OF POROUS NANOCOMPOSITES BASED ON
TiO₂ AND Ag NANOPARTICLES
- PS2-34 **M. Iliut, C. Leordean, V. Canpean and S. Astilean**
A GREEN APPROACH TO THE SYNTHESIS OF GRAPHENE
OXIDE/REDUCED GRAPHENE OXIDE-GOLD NANOPARTICLES HYBRIDS
- PS2-35 **S. Ioan, C. Hulubei, V. Musteata and D. Popovici**
TEMPERATURE MODULATED DIELECTRIC SPECTROSCOPY IN THE
TRANSITION REGIONS OF ALICYCLIC STRUCTURES
- PS2-36 **I. Iriepa, J. Bellanato**
SYNTHESIS, SPECTROSCOPIC AND CONFORMATIONAL STUDY OF
SOME UREAS DERIVED FROM N-METHYLPIPERAZINE
- PS2-37 **V. Ivanovski, M. Madalska, E. Hey-Hawkins**
IR AND RAMAN SPECTRA OF 3-AMINOPROPYLTRIMETHOXYSILYL-
MODIFIED SILICA GEL: QUALITATIVE ANALYSIS
- PS2-38 **C. Ivascu, G. Damian, L. Dărbăban, I. Ardelean, O. Cozar**
SPECTROSCOPIC INVESTIGATION OF P₂O₅-CdO-Li₂O GLASS SYSTEM –
AS ESR DOSIMETER MATERIAL
- PS2-39 **M. Sitarz, P. Jeleń, E. Długoń, M. Kozanecki**
STRUCTURAL AND MICROSTRUCTURAL STUDIES OF BLACK GLASSES
OBTAINED ON THE BASIS OF LADDER LIKE SILSESQUIOXANES
- PS2-40 **T. Jurca, E. Marian, I. Kacso, M. Miclaus, L.M. Rus and I. Bratu**
INTERACTIONS ANALYSIS BETWEEN FURAZOLIDONE AND
EXCIPIENTS IN SOLID DOSAGE FORMS
- PS2-41 **T. Kirillova, E. Nemtseva, M. Gerasimova, N. Kudryasheva**
EFFECT OF HEAVY HALOGEN ATOM IN BIOLUMINESCENT REACTIONS
- PS2-42 **A. Kolbasevich, C. Gruian, S. Cavalu, Zs. Benyey, V. Simon**
EPR STUDY ON TETRACYCLINE LOADING AND RELEASE FROM A
POROUS HOST MATRIX
- PS2-43 **O. Kondrat, R. Holomb, N. Popovich, V. Mitsa, O. Petrachenkov, M. Veres,
N. Tsud, V. Matolín, and K.C. Prince**
STRUCTURAL CHANGES OF As₂Se₃ NANOLAYERS STUDIED BY
SYNCHROTRON RADIATION PHOTOELECTRON AND SURFACE-
ENHANCED RAMAN SPECTROSCOPY
- PS2-44 **O. Gamulin, M. Kosović, M. Balarin, M. Ivanda, M. Marciuš, V. Đerek,
K. Serec, S. Musić, D. Krilov**
ELECTROCHEMICAL ETCHING OF SILICON-ON-INSULATOR LAYERS
USING DC AND AC CURRENTS

- PS2-45** S. Krehula and S. Musić
FORMATION OF α -FeOOH, AgFeO₂ AND Ag₂O FROM THE MIXED Fe(NO₃)₃-AgNO₃ SOLUTIONS AT HIGH pH
- PS2-46** C. Leordean, V. Canpean and S. Astilean
FABRICATION OF ORDERED PYRAMIDAL-SHAPED PLASMONIC SUBSTRATE FOR DETECTION AND QUANTITATIVE ANALYSIS USING SURFACE-ENHANCED RAMAN SPECTROSCOPY
- PS2-47** K. Magyari, L. Baia, V. Simon, O. Popescu, S. Simon
CONFORMATIONAL CHANGES OF FIBRINOGEN ADSORBED ON BIOACTIVE GLASSES STUDIED BY FTIR SPECTROSCOPY
- PS2-48** M. Marciuš, M. Ristić, M. Ivanda, S. Musić
THERMAL DECOMPOSITION OF Ni(II)-ACETATE and Ni(II)-LACTATE SALTS
- PS2-49** E. Marian, T. Jurca, I. Kacso, Ghe. Borodi, L.M. Rus and I. Bratu
SIMVASTATIN-EXCIPIENTS INTERACTION ANALYSIS
- PS2-50** N. Leopold, O.T. Marişca, N.E. Mircescu, O.M. Buja, C. Braicu, V. Chiş, A. Irimie, I. Berindan-Neagoe
POLYETHYLENE GLYCOL REDUCED GOLD NANOPARTICLES FOR DOXORUBICIN DRUG DELIVERY
- PS2-51** I. Matulková, I. Cisařová and I. Němec
ORGANIC SALTS OF GUANAZOLE – SEEKING FOR NEW MATERIALS FOR SECOND HARMONIC GENERATION
- PS2-52** G.V. Klishevich, N.D. Curmei, V.I. Melnyk
PECULIARITIES OF SPECTRAL STRUCTURE OF EXTRINSIC MOLECULAR CRYSTALS AT LOW TEMPERATURES
- PS2-53** M. Mic, A. Pirnau, M. Bogdan, I. Turcu
ASSESSMENT OF MOLECULAR INTERACTIONS OF INCLUSION COMPLEXES BETWEEN OF TWO CARDIOVASCULAR DRUGS – CYCLODEXTRIN
- PS2-54** Zs. Karácsony, J. Mihály, Cs. Németh, A. Bóta
THE EFFECT OF TRIS BUFFER ON DPPC/WATER MODEL MEMBRANE STRUCTURE: DSC, SAXS AND FTIR STUDY
- PS2-55** Ž. Mitić
THE CRYSTALLINITY INVESTIGATIONS OF BIOMETAL COMPLEXES WITH DIFFERENT EXOPOLYSACCHARIDES
- PS2-56** M. Gotić, T. Jurkin, S. Musić, K. Unfried, U. Sydlík
MICROSTRUCTURAL CHARACTERISATIONS OF DIFFERENT Mn-OXIDE NANOPARTICLES USED AS MODELS IN TOXICITY STUDIES
- PS2-57** M. Ristić, S. Musić, S. Popović, Đ. Dragčević, M. Marciuš and M. Ivanda
SYNTHESIS AND LONG-TERM PHASE STABILITY OF Mn₃O₄ NANOPARTICLES
- PS2-58** C.-D. Nechifor, D.-O. Dorohoi
UV-PHOTO GRAFTING OF POLYETHYLENE TEREPHTHALATE MEMBRANES WITH GLUCOSE TO OBTAIN SURFACE MOLECULARLY IMPRINTED POLYMERS
- PS2-59** C.-D. Nechifor, C.-B. Zelinschi, I. Stoica, V. Cloşca, D.-O. Dorohoi
SPECTRAL STUDIES OF DONEPEZIL RELEASE FROM STRECHED PVA POLYMER FILMS

- PS2-60** **V. Nikolova, S. Ilieva, B. Galabov**
SPECTROSCOPIC PROPERTIES OF π -HYDROGEN BOND COMPLEXES OF SUBSTITUTED BENZENES
- PS2-61** **G. Ogruc Ildiz, C.M. Nunes, N. Kuş and R. Fausto**
FTIR INVESTIGATION OF THE O-H \cdots Xe INTERACTION IN SIMPLE CARBOXYLIC ACIDS IN SOLID XENON
- PS2-62** **M. Ortlieb, M. Egelkraut-Holtus**
ALGINATE A SOLUTION FOR KITCHEN AND MORE?
- PS2-63** **S. Orlov, I. Goncharova, M. Urbanova**
THE ANTIMUTAGENIC PROPERTIES OF BILE PIGMENTS: ECD AND VCD STUDY
- PS2-64** **M.I. Oshtrakh, V.I. Grokhovsky, E.V. Petrova, M.Yu. Larionov, M.V. Goryunov and V.A. Semionkin**
MÖSSBAUER SPECTROSCOPY WITH A HIGH VELOCITY RESOLUTION APPLIED FOR THE STUDY OF METEORITIC IRON-BEARING MINERALS
- PS2-65** **P. Ottová, J. Štěpánek**
STRUCTURAL STABILITY OF RNA HAIRPINS
- PS2-66** **D.F. Srankó, Sz. Muráth, S. Canton, Á. Kukovecz, Z. Kónya, P. Sipos, I. Pálinkó**
RADIATION INDUCED TOPOTACTIC [2+2] DIMERISATION OF ACRYLATE DERIVATIVES AMONG THE LAYERS OF A CaFe LAYERED DOUBLE HYDROXIDE FOLLOWED BY IR SPECTROSCOPY
- PS2-67** **K. Csankó, P. Forgo, K. Boros, J. Hohmann, P. Sipos and I. Pálinkó**
CONFORMATIONAL PROPERTIES OF A PYRIDYL-SUBSTITUTED CINNAMIC ACID STUDIED BY NMR MEASUREMENTS AND COMPUTATIONS
- PS2-68** **R.-E. Stanculescu, D.H. Partenie, N. Puica-Melniciuc, D.O. Dorohoi**
STRUCTURAL AND SPECTRAL STUDIES OF [ISO]-QUINOLINIUM CARBOETHOXY METHYLID (iQCEM)
- PS2-69** **A. Cheniti, O. Ponta and S. Simon**
INVESTIGATION OF THE STRUCTURAL CHANGES INDUCED BY RARE EARTH ADDITION TO THE SPRAY-DRY TITANOSILICATE MICROSPHERES
- PS2-70** **O. Ponta, R. Ciceo Lucacel, T. Radu, R.M. David and S. Simon**
THE INFLUENCE OF SELENIUM OXIDE ON THE LOCAL ORDER AND BIOCOMPATIBILITY OF BIOACTIVE GLASSES
- PS2-71** **S.D. Pop, A. Ryan, J. Rappich, N. Esser, M.O. Senge and K. Hinrichs**
OPTICAL SPECTROSCOPY OF ETHYNE-LINKED PORPHYRIN FILMS
- PS2-72** **M. Sitarz, J. Pszczola, M. Odziomek, K. Wodnicka, A. Kowalewska**
PREPARATION OF MESOPOROUS SILICA LAYERS BY POLYCONDENSATION OF OCTAHYDRIDOCTASILSESQUIOXANE (T₈^H)
- PS2-73** **J. Štajdohar, M. Ristić, S. Musić**
INFLUENCE OF EXPERIMENTAL CONDITIONS ON THE MICROSTRUCTURE OF HEMATITE PARTICLES PRECIPITATED BY FORCED HYDROLYSIS OF FeCl₃ SOLUTIONS

- PS2-74 **D. Marovic, V. Panduric, Z. Tarle, M. Ristic, K. Sariri, N. Demoli, E. Klaric, B. Jankovic and K. Prskalo**
DEGREE OF CONVERSION AND MICROHARDNESS OF DENTAL COMPOSITE RESIN MATERIALS
- PS2-75 **M. Rozenberg**
COMPARISON OF COMPUTED THERMODYNAMIC AND SPECTRAL PARAMETERS OF H-BOND WITH EXPERIMENTAL DATA
- PS2-76 **D. Rusu, A.I.G. Petrehele, A. Ungurean, M. Hubner, G. Borodi, M. Rusu, L. David**
STRUCTURAL AND PHYSICAL - CHEMICAL STUDY OF THE NEW KEGGIN POLYOXOMETALATES WITH MIXED ADDENDA
- PS2-77 **M. Scholz, R. Dēdic, J. Hála and S. Nonell**
OXYGEN EFFECTS ON PORPHYCENE AND PORPHYRIN NEAR-INFRARED LUMINESCENCE KINETICS
- PS2-78 **O. Gamulin, K. Serec, V. Bilić, M. Balarin, M. Kosović, P. Sikirić, D. Krilov**
MONITORING THE HEALING PROCESS OF RAT BONES USING RAMAN SPECTROSCOPY
- PS2-79 **A. Simão, I. Reva and R. Fausto**
MATRIX ISOLATION STUDY OF THE NICOTINE MONOMER
- PS2-80 **É.G. Bajnóczi, G.B. Molnár, G. Peintler, S.E. Canton, S. Carlson, I. Pálinkó and P. Sipos**
STRUCTURAL FEATURES OF Fe(II) HYDROXO COMPLEXES IN EXTREMELY CONCENTRATED NaOH SOLUTIONS
- PS2-81 **A. Koleżyński, W. Jastrzębski, W. Szczypka, A. Kowalewska, M. Nowacka, M. Sitarz**
FIRST PRINCIPLE STUDIES OF ELECTRONIC STRUCTURE AND BONDING PROPERTIES OF CHOSEN PHENYL LADDER-LIKE SILSESQUIOXANE CLUSTERS
- PS2-82 **M. Łodziński, M. Sitarz, M. Kozanecki**
CHARACTERIZATION OF METAMORPHIC AND WEATHERING PROCESSES IN CHLORITE AND MICA GROUP MINERALS BY MICRO-RAMAN AND IR SPECTROSCOPIES
- PS2-83 **N. Vedeanu, R. Stanescu, O. Cozar, I. Ardelean**
STRUCTURAL INVESTIGATION OF BISMUTH BASED PHOSPHATE GLASSES CONTAINING VANADIUM IONS
- PS2-84 **T. Stefan, C. Leordean, L. Daraban, D. Marconi, C.V. Pop and M. Todica**
SPECTROSCOPIC INVESTIGATION OF SOME BLACK CARBON-PVA DOPED MEMBRANES GAMMA IRRADIATED
- PS2-85 **G. Štefanić, S. Musić and M. Ivanda**
SOLID SOLUTIONS IN THE ZrO₂-TiO₂ SYSTEM PREPARED BY LOW-TEMPERATURE SOL-GEL SYNTHESIS
- PS2-86 **M. Steiner, S. Cîntă Pînzaru**
ASSESSMENT OF THE BETULIN CONTENT IN THE *BETULA PENDULA* *ROTH* BIRCH BARK FROM ROMANIAN FLORA
- PS2-87 **A.F. Takács, S. Zsurzsa, C. Prahoveanu, E. Dorolti, M. Albrecht and V. Pop**
STUDY ON MAGNETIC AND STRUCTURAL PROPERTIES OF SM-CO THIN FILMS

- PS2-88** M. Tămășan, T. Radu, L. Țârle, V. Simon
SPECTROSCOPIC INVESTIGATIONS OF PROTEIN ATTACHMENT ON THE SURFACE OF MONTMORILLONITE – POLY(VINYL ALCOHOL) NANOCOMPOSITES
- PS2-89** M. Todica, L. Udrescu, G. Damian and S. Astilean
SPECTROSCOPIC INVESTIGATION OF PVA-TiO₂ MEMBRANES GAMMA IRRADIATED
- PS2-90** M. Tonelli, S. Turrell, O. Cristini, H. El Hamzaoui, B. Capoen, M. Bouazaoui, C. Kinowski, M. Gazzano and M.C. Cassani
LOCALIZED GROWTH OF GOLD NANOPARTICLES FROM Au(I) AND Au(II) PRECURSORS USING LASER IRRADIATION
- PS2-91** Y. Shaydyuk, S. Turrell, F. Luchez, A. Moissette, M. Hureau and N. Lebovka
SPONTANEOUS IONISATION OF PHENOTHIAZINE UPON ADSORPTION ON LAPONITE CLAY MINERAL
- PS2-92** H. Vanaie, M. Yaghobi, Z. Sedaghat
EFFECT OF DOPED ATOM MAGNETISM ON ELECTRONIC TRANSPORT THROUGH C59 X AND C69 X (X=B AND N) MOLECULAR JUNCTIONS
- PS2-93** E. Vanea, C. Gruian, H.-J. Steinhoff, V. Simon
STRUCTURAL ANALYSIS OF INSULIN LOADED SILICA MICROPARTICLES
- PS2-94** A. Pirri, G. Toci, M. Nikl, C. Ivascu and M.Vannini
LASER PERFORMANCE AND SPECTROSCOPIC PROPERTIES OF Yb-DOPED Lu₂O₃ AND YAG CERAMICS
- PS2-95** M. Vasilescu, N. Bolohan
SOLID-STATE MAS NMR STUDY OF SOME MIDDLE BRONZE AGE POTTERY
- PS2-96** G. Barbera, G. Barone, V. Crupi, F. Longo, D. Majolino, P. Mazzoleni, S. Raneri and V. Venuti
MULTI-SCALE SPECTROSCOPIC ANALYSIS ON PRECIOUS STONES
- PS2-97** A. Vulpoi, E. Laszloffi, V. Simon
SPECTROSCOPIC STUDIES ON THE RECIPROCAL INFLUENCE BETWEEN VITAMIN C AND ENTRAPPING SILICATE MATRIX
- PS2-98** J. Zięba-Palus, S. Nowińska
USE OF INFRARED SPECTROSCOPY FOR CHARACTERISATION OF ADHESIVE TAPES
- PS2-99** B.M. Trzcińska, J. Zięba-Palus
EXAMINATION OF CAR PAINT SAMPLES OF THE SAME COLOR USING VIS MICROSPECTROMETRY FOR FORENSIC NEEDS
- PS2-100** M. García Pacios, I. de la Arada, N. Andraka and J.L.R. Arrondo
AMYLOID FORMATION STUDIED BY IR 2DCOS-MOVING LAPSE
- PS2-101** L.C. Giurgiu, A. Radu, A. Ionescu, C. Vancea, O. Stoican, S. Ilie, S. Toba, V. Vasilescu, C.A. Gheorghe
A WIDEBAND PULSED NQR SPECTROMETER FOR DETECTION OF THE ¹⁴N NUCLEI