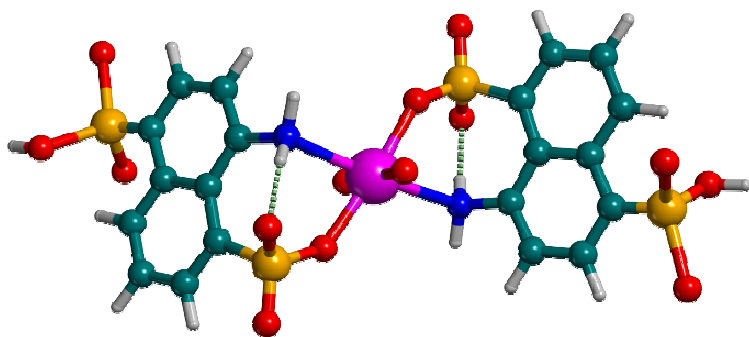


ZILELE UNIVERSITĂȚII "ALEXANDRU IOAN CUZA" DIN IAȘI

CONFERINȚA FACULTĂȚII DE CHIMIE



Iași,
25-26 Octombrie 2012



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LEGENDĂ:

1. Universitatea „Alexandru Ioan Cuza” din Iași, Facultatea de Chimie
2. Universitatea Tehnică „Gheorghe Asachi” Iași, Facultatea de Inginerie Chimică și Protecția Mediului
3. Institutul de Chimie Macromoleculară „Petru Poni” Iași
4. Grup Școlar Tehnic din Hârlău, Iași
5. Colegiul Tehnic „Ion Holban” din Iași
6. Universitatea „Alexandru Ioan Cuza” din Iași, Facultatea de Biologie
7. Universitatea de Medicină și Farmacie „G.T. Popa” Iași, Facultatea de Farmacie
8. Department of Network Polymers and Oligomers, Institute of Macromolecular Chemistry, Kiev, Ukraine.
9. Centre of Advanced Research in Bionanoconjugates and Biopolymers, “Petru Poni” Institute of Macromolecular Chemistry, 41A Gigore Ghica-Voda Alley, 700487 Iasi, Romania.
10. Universitatea „Alexandru Ioan Cuza” din Iași, Facultatea de Fizică
11. Commissariat à l’Energie Atomique et aux Energies Alternatives, Laboratoire d’Intégration des Systèmes et des Technologies, Centre de Saclay, Bâtiment 516, Gif-sur-Yvette, France.
12. Universitatea de Științe Agricole și Medicină Veterinară „Ion Ionescu de la Brad” din Iași, Facultatea de Agricultură
13. Universitatea de Medicină și Farmacie „G.T. Popa” Iași, Facultatea de Bioinginerie Medicală
14. Department of Industrial Design Engineering, Technological Educational Institute of Western Macedonia, Kozani, Greece.
15. School grades I-VIII Urecheni, Neamt.
16. Universitatea Tehnică „Gheorghe Asachi” Iași, Facultatea de Știința și Ingineria Materialelor
17. Institute of Medical Microbiology and Hygiene, Universitätsklinikum, Tübingen
18. Facultatea de Chimie și Inginerie Chimică a Universității Babeș-Bolyai, Cluj
19. Laboratoire de Pharmacochimie, HEI, 13 rue de Toul, F-59046 Lille, France
20. Physical Organic Chemistry Centre, Cardiff University, Main Build. Park Place, Cardiff CF10 3AT, UK
21. Alma mater Studiorum University of Bologna, Faculty of Engineering, Department of Civil, Environmental and Materials Engineering-DICAM, Via Terracini 28, 40131 Bologna, Italy
22. University of Reading, Centre for Advanced Microscopy, Whiteknights, Reading RG6 6AF, UK.
23. Veterinary Sanitary and Food Safety Direction, Sanitary and Veterinary Laboratory and for Food Safety, Iași, România.
24. Politehnica University of Bucharest, Department of Physics, 313, Spl. Independentei, 060042, Bucharest, Romania
25. Inorganic Chemistry Department, Faculty of Chemistry, University of Bucharest
26. Institute of Physical Chemistry “I. Murgulescu” of Romanian Academy, Bucharest
27. Joint Institute for Nuclear Research, Str. Joliot-Curie 6, 141980 Dubna, Russia.
28. Research Centre for Oenology Iași - Romanian Academy – Iași branch, 8 Carol I Bd., 700505, Iași, România
29. Univ. De Pau et Pays de l’Adour, France
30. Institut de Chimie des Substances Naturelles, UPR2301 CNRS, Centre de Recherche de Gif, Avenue de la Terrasse, F-91198 Gif-sur-Yvette Cedex, France
31. Universitatea de Stat Chișinău, Republica Moldova.
32. Institutul national de cercetare și dezvoltare pentru fizica tehnică, Iași
33. Department of Chemistry, University of Hull, UK
34. Institute for Molecules and Materials (IMM), Radboud University Nijmegen
35. Department of Chemistry, Aristotle University, Thessaloniki, Greece
36. Department of Chemistry, Laboratory of Analytical chemistry, Konstanz, Germany
37. Universitatea „Alexandru Ioan Cuza” din Iași, Facultatea de Geografie și Geologie

Sesiunea se înscrie în cadrul manifestărilor științifice consacrate împlinirii a 152 de ani de la fondarea primei Universități moderne din România.

Joi, 25 octombrie 2012
Amfiteatrul „P3”

14⁰⁰-14³⁰ **Înregistrarea participanților**

14³⁰-14³⁵ **DESCHIDERE**

Moderatori: Prof. Dr. A. R. Iordan¹
Prof. Dr. A. Pui¹



14³⁵-14⁴⁵ *Profesor universitar doctor Natalia Hurduc, la aniversarea a 80 de ani*
I. Humelnicu¹

14⁴⁵-15⁵⁵ *Profesor universitar doctor Olga Vicol, la aniversarea a 80 de ani*
A. R. Iordan¹

14⁵⁵-15⁰⁵ *Profesor universitar doctor Raluca-Delia Mocanu, la aniversarea a 75 de ani*
R. Olariu¹

15⁰⁵-15¹⁵ *Profesor universitar doctor Ana Onu, la aniversarea a 70 de ani*
G. Nemțoi¹

CP 1 *Oligomers, layers and 3d supramolecular architectures in organopnicogen (M = Sb, Bi) chemistry*
Acđ. C. Silvestru¹⁸

16⁰⁰-16³⁰

PAUZĂ DE CAFEA

Moderatori: Prof. Dr. E. Bicu¹
Prof. Dr. M. N. Palamaru¹

16³⁰-16⁴⁵ *Receptori cuplați cu proteina G - Premiul Nobel pentru Chimie, pe anul 2012 - Robert J. Lefkowitz și Brian K. Kobilka*
L. Ion¹, C. Andrieș¹

CO1 *Synthesis and photochemical investigations of poly[(D/L),(-/+)-N-methacryloyl oxyethyl-N'-2-buthanol[urea]-co-N-acryloyl(D/L),(+/-)-phenylalanine] copolymers*
M. Murariu³, E. Buruiana³

CO2 *When is mass spectrometry combined with affinity approaches essential? A case study of Tyrosine nitration in proteins*
B.-A. Petre^{1,36}, C. Andrieș^{1,36}, L. Ion^{1,36}, G. Drochioiu¹, M. Przybylski³⁶, M. Ulrich¹⁷ and G. Doering¹⁷

CO3 *Facile synthesis method for the preparation of CMC capped MFe₂O₄ (M=Co, Mg, Mn, Ni) nanoparticles*
D. Gherca¹, N. Cornei¹, O. Caltun¹⁰, V. Nica¹⁰, A. Pui¹

CO4 *Synthesis and biological evaluation of new 1,4-disubstituted 1,2,3-triazole derivatives*
C. Dumea¹, A. Ghineț¹⁹, S. Ștefanovici¹, D. Bele¹, E. Bicu¹

CO5 *Thermotropic and optical behaviour of new PDLC systems based on a polysulfone matrix and a phosphorous-containing smectic-A liquid crystal*
T. Vlad-Bubulac³, D. Serbezeanu³, C. Hamciuc³, O. Petreus³, I.-D. Carja³, G. Lisa²

18³⁰ Cocktail (Casa Vânătorului)

Vineri, 26 octombrie 2012
Amfiteatrul P3

8³⁰-18⁰⁰ *Sesiune de postere (Afișare - Sala Pașilor Pierduți)*

Moderatori: Conf. Dr. I. Humelnicu¹
Lect. Dr. D. Litic¹

CP 2 *Magnetic anisotropy in lanthanide complexes: Synthesis, Structure, properties.*
9⁰⁰-9⁴⁵ M. Ferbințeanu²⁵, F. Cimpoeșu²⁶

CO6 *Complexation study of 4-(4'-bypiridyl) pyridinium disubstituted monoylides ligands with Pd(II)*
9⁴⁵-10⁰⁰ R. Postolachi¹, A. Pui¹, R. Dănac¹, N. N. J. Buurma²⁰

CO7 *Aplicarea amprentei ecologice ca măsură a durabilității în construcția de clădiri*
10⁰⁰-10¹⁵ M. E. Fortună², I. M. Simion², A. Bonoli²¹, M. Gavrilesco²

CO8 *Influence of aluminium ion substitution on electromagnetic properties of zinc ferrite*
10¹⁵-10³⁰ I. Borhan¹, T. Slatineanu¹, R. Iordan¹, M. Palamaru¹

10³⁰-11⁰⁰ *Sesiune de postere*

PAUZĂ DE CAFEĂ

Moderatori: Conf. Dr. M. Ferbințeanu²⁵
Prof. Dr. G. Nemțoi¹

CP 3 *New Models on Fullerenes and Carbon Materials. Both Paths to the Experiment: Interpretation and Prediction.*
11⁰⁰-11⁴⁵ F. Cimpoeșu²⁶

CO9 *Luminescent Phenothiazine-Azomethines with tuned Morphology*
11⁴⁵-12⁰⁰ A.-G. Zăbulică³, M. Balan, D. Belei¹, M. Sava¹, M. Brumă¹, L. Marin¹

CO10 *Effectiveness of a alcohol assay in establishing uncoupling act some pollutants*
12⁰⁰-12¹⁵ M. Zaharia¹, R. Gradinaru¹, G. Zbancioc¹ and G. Drochioiu¹

CO11 *Synthesis of poly(vinyl acetate-co-4-acryloyloxybenzylidene-iminepyrene) and fluorescence study*
12¹⁵-12³⁰ V. E. Podașcă³, E. C. Buruiană³

CO12 *The corrosion behavior of mild steel in water from Bahlui river*
12³⁰-12⁴⁵ A. Ciomaga³⁷, G. Nemțoi¹

CO13 *1. Electrosynthesis of copolymers based on water-soluble N-substituted aniline derivatives: structural characterization and electrochemical stability*
12⁴⁵-13⁰⁰ L. Vacareanu³, M. Grigoraș³

13⁰⁰-14⁰⁰ *Sesiune de postere*

PAUZĂ DE MASĂ

**Moderatori: Conf. Dr. C. N. Lungu¹
Lector Dr. C. Arsene¹**

- CO14** *(Bio)active Layers Deposition by Electro spraying*
14⁰⁰-14¹⁵
E. Pâslaru³, B. S. Munteanu¹⁰, A. Coroaba³, G. E. Hitruc³,
M. C. Baican⁷, C. Vasile³
- CO15** *Electrospin coatings for antioxidant food packaging*
14¹⁵-14³⁰
R. P. Dumitriu³, G. R. Mitchell²², F. J. Davis²², C. Vasile³
- CO16** *Interaction of CoA-SH with metal ions*
14³⁰-14⁴⁵
C. Andrieș¹, G. Nemțoi¹, I. Stoica³, G. Zbancioc¹, G. Drochioiu¹,
R. Gradinaru¹
- CO17** *Crosslinked structures based on cellulose and siloxane derivatives*
14⁴⁵-15⁰⁰
G. Stiubianu³, A. Nistor³, M. Cazacu³
- CO18** *Functionalized polyurethanes as valuable supports for biomolecules conjugation*
15⁰⁰-15¹⁵
L. Ignat³, M.E. Ignat³, M. Pinteala³
- CO19** *Metal-peptide complexes involved in the neurodegenerative diseases*
15¹⁵-15³⁰
G. Drochioiu¹, R. Gradinaru¹, A. Petre¹, G. Zbancioc¹, L. Hăbășescu¹,
L. Ion¹, A. Adochitei¹, M. Murariu³, S. Băncilă¹, C. Andrieș¹,
I. Mangalagiu¹

15³⁰-16⁰⁰

Sesiune de postere

PAUZĂ DE CAFEĂ

**Moderatori: Conf. Dr. R. Olariu¹
Conf. Dr. A. Birzu¹**

- CO20** *Non covalent interaction in some supramolecular systems*
16⁰⁰-16¹⁵
I. Humelnicu¹
- CO21** *Dinitrophenols and Cyanide: Analytical and Toxicological Approach*
16¹⁵-16³⁰
I. Mangalagiu¹, M. Zaharia, G. Drochioiu¹, A. Surleva¹, R. Gradinaru¹,
A. Pui¹, S. Bancila¹, G. Zbancioc¹
- CO22** *Synthesis and characterization of oxide compounds with general formula Mg_{1-x}Cu_xFe₂O₄*
16³⁰-16⁴⁵
A. C. Druc¹, A. M. Dumitrescu¹, A. R. Iordan¹, M. N. Palamaru¹
- CO23** *Influence of nanoparticles on the thermal decomposition of hybrid nanocomposites based on starch/poly(vinyl alcohol) montmorillonit*
16⁴⁵-17⁰⁰
M.-T. Nistor³, C. Vasile³
- CO24** *Synthesis and study of catalytic properties of bulk and supported LaCrO₃*
17⁰⁰-17¹⁵
S. Feraru¹, P. M. Samoilă¹, A. R. Iordan¹, M. N. Palamaru¹
- CO25** *Photocatalytic activity study of metal - SnO₂ for the degradation of Eosin Y in aqueous suspension*
17¹⁵-17³⁰
E.-D. Tanasa¹, C.-G. Piuleac², E. Popovici¹, S. Curteanu²
- CO26** *Green synthesis of silver nanoparticles with sodium lignosulphonate*
17³⁰-17⁴⁵
L. Ignat³, M.E. Ignat³, A. Durdureanu-Angheluta³, A. Coroaba³,
F. Doroftei³, D. Timpu³, M. Pinteala³
- CO27** *Hydrolytic degradation of some poly(vinyl alcohol) copolymers for biomedical applications*
17⁴⁵-18⁰⁰
Rodica Lipsa, Nita Tudorachi, Cornelia Vasile, Manuela Tatiana
Nistor, Cristian Grigoras

18⁰⁰-18³⁰

Sesiune de postere

18³⁰

Închiderea sesiunii

POSTERE

- P1** *New "SWS" (Solid water sorption)*
V. Diaconescu¹⁶, M. Spiridon², R. Diaconescu², I. Mămăligă²
- P2** *Preparation and characterization of a new composite material used for the water vapor adsorption*
 M. Spiridon², V. Diaconescu¹⁶, R. Diaconescu², M. Spiridon²,
 M. S. Secula², I. Mămăligă²
- P3** *Preliminary data on contribution of Eastern Romania to the monitoring of atmospheric heavy metal deposition in Europe using bryophytes (2010 Survey)*
S. M. Cucu-Man¹, R. Buhăceanu¹, M. Frontasyeva²⁷, O. Culicov²⁷
- P4** *Synthesis of new aza-analogues of pyrimidines bases*
L. Lucescu¹, D. Belei¹, P. Gautret¹⁹, B. Rigo¹⁹, A. Ghineț¹⁹, E. Bîcu¹
- P5** *Micro and mesoporous materials for heavy metals removal from wine*
C. Luchian¹², Valeriu Cotea¹², Nicolae Bîlbă¹, Antoanela Patraș¹²,
 M. Niculaua²⁸
- P6** *Synthesis and biological evaluation of new propargyl derivatives containing phenothiazine moiety*
S. Ștefanovici¹, L. Lucescu¹, C. Dumea¹, A. Ghineț¹⁹, D. Belei¹,
 E. Bîcu¹
- P7** *Testing of antioxidative and antimicrobial activity of some new food packagings*
 G. Pricope²³, C. Vasile³, R.N. Darie³, E. Pâslaru³, B.S. Munteanu¹⁰
- P8** *New derivatives of 5-nitroindazole with potential antitumoral activity*
C. Cheptea^{1,7}, M. Holban¹, C. Stan²⁴, V. Șunel¹, D. O. Dorohoi¹⁰

- P9** *Synthesis and characterization of new hydrazides derived from N-(p-aminobenzoyl)-L-glutamine with potential tuberculostatic and their immobilization on polymer support of poly (N-vinylpyrrolidone-alt-itaconic anhydride)*
D. Grebinisan¹, M. Holban¹, V. Șunel¹, M. Popa², J. Desbrieres²⁹
- P10** *New phenothiazine and carbazole derivatives as inhibitors of human farnesyltransferase.*
G.-M. Dumitriu¹, D. Belei¹, E. Bîcu¹, Joëlle Dubois³⁰, P. Gautret¹⁹,
 B. Rigo¹⁹, A. Ghineț¹⁹
- P11** *Synthesis and Antimicrobial Activity of New Amidic Derivatives of 5-Nitroindazol-1-yl Acetic Acid Encapsulated into Alginate/Pectin Particles*
 C. Cheptea^{1,13}, M. Holban¹, C. Peptu³, C. Lionte⁷, V. Șunel¹,
 M. I. Popa², J. Desbrieres²⁹
- P12** *Gas permeability of some biocomposites*
 A. Sdrobis³, R. N. Darie³, A. Baklavaridis¹⁴, C. Vasile³
- P13** *Segmented polyurethane and poly(urethane-urea) elastomers based on heterocyclic moiety: relaxations phenomena*
V. O. Potolinca³, S. Oprea³, E. C. Buruiana³
- P14** *Aspects of thermal behaviour in air of casein investigated by FTIR and calorimetry*
L. Odochian¹, C. Moldoveanu¹, I. Lorela⁴, A. Băiceanu⁵, P. Angela¹⁵,
 C. Păiuș²
- P15** *Synthesis and characterization of some lanthanide polioxomolybdates*
D. Humelnicu¹, I. Humelnicu¹, S. Sova³¹
- P16** *Fluorescence compounds: a first step study*
S. Băncila¹, L. Hăbășescu¹, M. Zaharia¹, M. Murariu³ and
 G. Drochioiu¹

- P17** *Synthesis under ultrasound irradiation of new pyrrolo-diazinic compounds with acetophenonic chain*
V. Bejan (Antoci)¹, D. Mantu¹, G. Zbancioc¹, C. Deleanu³,
I. Mangalagiu¹
- P18** *Photo-induced grating formations in polysiloxanes modified with azobenzene derivatives*
C.-M. Păiuș², L. Rocha¹¹, N. Hurduc²
- P19** *X-ray studies of some unexpected fused azaheterocycles*
D. Mantu¹, V. Antoci¹, C. Moldoveanu¹, S. Sova³, A. Nicolescu³,
I. Mangalagiu¹
- P20** *One-pot synthesis of new pyrrolo-diazinic compounds with sulfonamide chain (classical versus ultrasound)*
E.-L. Ene (căs. Plesnicute)¹, V. Bejan (căs. Antoci)¹, D. Mantu¹,
I. Mangalagiu¹
- P21** *Influence of Fe/Ta substitution on the structural and physical properties of Sr₂Fe_{1-x}Ta_{1-x}O₆ double perovskite*
I. A. Gorodea¹, F. P. Gheorghiu¹⁰, O. R. Hauta², A. R. Iordan¹,
M. N. Palamaru¹
- P22** *Crosslinked silicones functionalized for metal retention*
M. Alexandru³, M. Cazacu³, C. Racles³.
- P23** *Study kinetic of the penicillin G degradation in the presence of a penicillinase with attenuated activity*
N. C. Lungu¹, M. Alexandroaei¹, R. Grădinaru¹, I. V. Asaftei¹
- P24** *Oxidative modification in proteins: synthesis and structural characterisation of tyrosine modified peptides*
L. Ion^{1,36}, C. Andrieș^{1,36}, G. Drochioiu¹ and B. A. Petre^{1,36}
- P25** *Morphological and surface studies of some new supramolecular polymers containing dimethylsilane groups*
M. F. Zaltariov³, A. Nistor³, A. Vlad³, G. Stiubianu³, M. Cazacu³

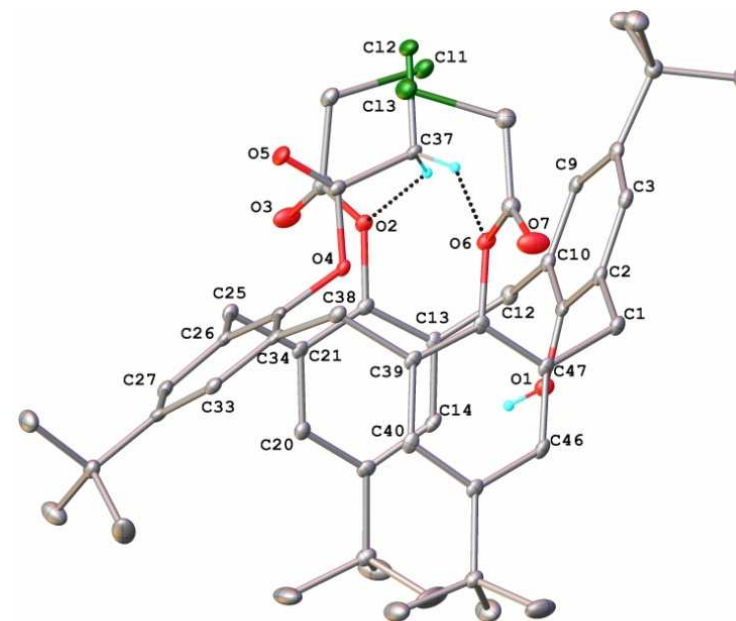
- P26** *Studies on water-soluble ionic species in atmospheric particulate matter and lichenized fungi populations of Xanthoria parietina and Phaeophyscia orbicularis in urban area Iasi*
D. M. Pîndaru^{1,6}, C. Tănase⁶, C. M. Iftime¹, R. I. Olariu¹, C. Arsene¹
- P27** *Adsorbtion capacity study of cations dyes on several magnetic nanoparticles*
C. Vîrlan¹, D. Ghercă¹, R. Ciocârlan¹, A. Pui¹
- P28** *Influence of NaOH concentration on coprecipitation synthesis morphology and particle size of cobalt ferrite NPS*
R. Ciocârlan¹, D. Ghercă¹, N. Cornei¹, A. Pui¹
- P29** *Ultrasound assisted synthesis of new imidazoilum salts*
I. Stoian¹, P. M. Știuleac¹, I. I. Sîlea¹, G. Zbancioc¹, C. Moldoveanu¹,
I. Mangalagiu¹
- P30** *Synthesis of new coronands and spiro-derivatives using ultrasonic irradiation*
G. Zbancioc¹, C. Moldoveanu¹, D. Mantu¹, V. Antoci¹, I. Mangalagiu¹
- P31** *Contributions to the Thermal Degradation Mechanism under Nitrogen Atmosphere of PTFE by TG-FTIR Analysis. Influence of the Particle Size.*
L. Odochian¹, C. Moldoveanu¹, A. Mocanu², D. Maftעי¹
- P32** *Synthesis, structural analysis and magnetic properties of low Pb-doped LaMnO₃ manganite*
C. Mîță¹, M.-L. Craus^{27,32}, N. Cornei¹, V. Dobrea³²
- P33** *Characterization of certain metalloporphyrins using dynamic thermal methods and molecular modeling*
N. Hurduc¹, C. Wilson³³, D. A. Wilson^{2,34}, R. W. Boyle³⁴,
G. H. Mehl³³, G. Lisa²
- P34** *Uranium removal from aqueous solutions by new materials based on power station ash*
G. Buema², P. Misaelides³⁵, F. Noli³⁵, D. M. Sutiman², M. Harja²,
I. Crețescu²

- P35** *Wood-polymer composites: effect of the thermal pre-treatment of wood filler on the composites stability towards water*
M. Zanoaga³, F. Tanasa³
- P36** *Effect of chemically modified cellulosic fibres on the properties of novel polypropylene composite materials*
M. Zanoaga³, F. Tanasa³
- P37** *Ternary thermoplastic blends based on block-copolymers recycled polyethylene and polyamide fibers*
 F. Tanasa³, M. Zanoaga³, N. Busko⁸, A. Barantsova⁸,
 V. Grishchenko¹⁵
- P38** *Blends based on a nylon copolymer and EPDM rubber. Compatibilizer influence on their properties*
 F. Tanasa³, M. Zanoaga³, R. Darie³
- P39** *Multivariate statistical analysis on size dependent behavior of CoFe₂O₄ Nanoparticles*
D. G. Cozma¹, D. Ghercă¹, N. Cornei¹, A. Pui¹
- P40** *Performances of implicit (PCM), explicit and mixed solvation models in computing UV-Vis spectra of fluorescein in aqueous solution*
D. Isac¹, M. Alexandru¹, D. Maftai¹, I. Humelnicu¹
- P41** *Ab initio and DFT studies on keto-enol tautomerism and fluorescence emission of 7-acetyl pyrrolopyridazine*
D. Maftai¹, I. Humelnicu¹, I. Mangalagiu¹
- P42** *Titaniumsilsesquioxane synthesis and use as filler for silicone polymers*
A. M. C. Dumitriu³, M. Cazacu³, A. Bargan³, C.- D. Varganici⁹,
 G. Stiubeanu³

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