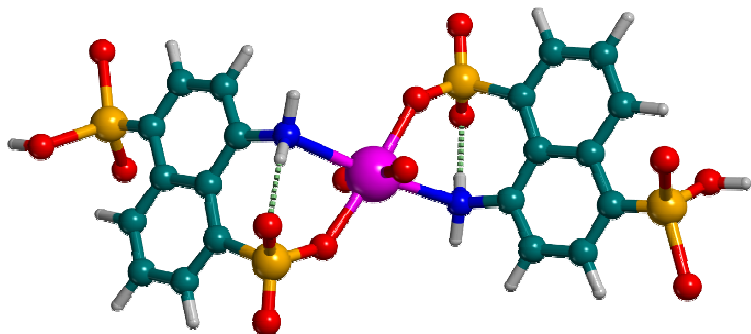


## ZILELE UNIVERSITĂȚII "ALEXANDRU IOAN CUZA" DIN IAȘI

### CONFERINȚA FACULTĂȚII DE CHIMIE

#### PROGRAM



Iasi,  
25-26 Octombrie 2012

### Comitetul științific

**Președinte: prof. dr. Ionel Mangalagiu** –

*Universitatea "Alexandru Ioan Cuza" din Iași*

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*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”**

14<sup>00</sup>-14<sup>30</sup> **Înregistrarea participanților**

14<sup>30</sup>-14<sup>35</sup> **DESCHIDERE**

Moderatori: Prof. Dr. A. R. Iordan<sup>1</sup>  
Prof. Dr. A. Pui<sup>1</sup>



14<sup>35</sup>-14<sup>45</sup> *Profesor universitar doctor Natalia Hurduc, la aniversarea a 80 de ani*  
I. Humelnicu<sup>1</sup>

14<sup>45</sup>-15<sup>55</sup> *Profesor universitar doctor Olga Vicol, la aniversarea a 80 de ani*  
A. R. Iordan<sup>1</sup>

14<sup>55</sup>-15<sup>05</sup> *Profesor universitar doctor Raluca-Delia Mocanu, la aniversarea a 75 de ani*  
R. Olariu<sup>1</sup>

15<sup>05</sup>-15<sup>15</sup> *Profesor universitar doctor Ana Onu, la aniversarea a 70 de ani*  
G. Nemțoi<sup>1</sup>

**CP 1** *Oligomers, layers and 3d supramolecular architectures in organopnicogen (M = Sb, Bi) chemistry*  
Acad. C. Silvestru<sup>18</sup>

16<sup>00</sup>-16<sup>30</sup>

**PAUZĂ DE CAFEĂ**

16<sup>30</sup>-16<sup>45</sup> **Moderatori: Prof. Dr. E. Bicu<sup>1</sup>  
Prof. Dr. M. N. Palamaru<sup>1</sup>**

*Receptori cuplați cu proteina G - Premiul Nobel pentru Chimie, pe anul 2012 - Robert J. Lefkowitz și Brian K. Kobilka*  
L. Ion<sup>1</sup>, C. Andrieș<sup>1</sup>

**CO1** *Synthesis and photochemical investigations of poly[(D/L),(-/+)-N-methacryloyl oxyethyl-N'-2-buthanol[urea]-co-N-acryloyl(D/L),(+/-)-phenylalanine] copolymers*  
M. Murariu<sup>3</sup>, E. Buruiana<sup>3</sup>

**CO2** *When is mass spectrometry combined with affinity approaches essential? A case study of Tyrosine nitration in proteins*  
B.-A. Petre<sup>1,36</sup>, C. Andrieș<sup>1,36</sup>, L. Ion<sup>1,36</sup>, G. Drochioiu<sup>1</sup>, M. Przybylski<sup>36</sup>, M. Ulrich<sup>17</sup> and G. Doering<sup>17</sup>

**CO3** *Facile synthesis method for the preparation of CMC capped MFe<sub>2</sub>O<sub>4</sub> (M=Co, Mg, Mn, Ni) nanoparticles*  
D. Gherca<sup>1</sup>, N. Cornei<sup>1</sup>, O. Caltun<sup>10</sup>, V. Nica<sup>10</sup>, A. Pui<sup>1</sup>

**CO4** *Synthesis and biological evaluation of new 1,4-disubstituted 1,2,3-triazole derivatives*  
C. Dumea<sup>1</sup>, A. Ghineț<sup>19</sup>, S. Ștefanovici<sup>1</sup>, D. Belei<sup>1</sup>, E. Bîcu<sup>1</sup>

**CO5** *Thermotropic and optical behaviour of new PDLC systems based on a polysulfone matrix and a phosphorous-containing smectic-A liquid crystal*  
T. Vlad-Bubulac<sup>3</sup>, D. Serbezeanu<sup>3</sup>, C. Hamciuc<sup>3</sup>, O. Petreus<sup>3</sup>, I.-D. Carja<sup>3</sup>, G. Lisa<sup>2</sup>

18<sup>30</sup> Cocktail (Casa Vânătorului)

**Vineri, 26 octombrie 2012**  
**Amfiteatrul P3**

8<sup>30</sup>-18<sup>00</sup> *Sesiune de postere (Afișare - Sala Pașilor Pierduți)*

**Moderatori: Conf. Dr. I. Humelnicu<sup>1</sup>**  
**Lect. Dr. D. Litic<sup>1</sup>**

**CP 2** *Magnetic anisotropy in lanthanide complexes: Synthesis, Structure, properties.*  
9<sup>00</sup>-9<sup>45</sup> **M. Ferbințeanu<sup>25</sup>, F. Cimpoeșu<sup>26</sup>**

**CO6** *Complexation study of 4-(4'-bipyridyl) pyridinium disubstituted monoylides ligands with Pd(II)*  
9<sup>45</sup>-10<sup>00</sup> **R. Postolachi<sup>1</sup>, A. Pui<sup>1</sup>, R. Dănac<sup>1</sup>, N. N. J. Buurma<sup>20</sup>**

**CO7** *Aplicarea amprentei ecologice ca măsură a durabilității în construcția de clădiri*  
10<sup>00</sup>-10<sup>15</sup> **M. E. Fortună<sup>2</sup>, I. M. Simion<sup>2</sup>, A. Bonoli<sup>21</sup>, M. Gavrilesco<sup>2</sup>**

**CO8** *Influence of aluminium ion substitution on electromagnetic properties of zinc ferrite*  
10<sup>15</sup>-10<sup>30</sup> **I. Borhan<sup>1</sup>, T. Slatineanu<sup>1</sup>, R. Iordan<sup>1</sup>, M. Palamaru<sup>1</sup>**

10<sup>30</sup>-11<sup>00</sup> *Sesiune de postere*

**PAUZĂ DE CAFEĂ**

**Moderatori: Conf. Dr. M. Ferbințeanu<sup>25</sup>**  
**Prof. Dr. G. Nemțoi<sup>1</sup>**

**CP 3** *New Models on Fullerenes and Carbon Materials. Both Paths to the Experiment: Interpretation and Prediction.*  
11<sup>00</sup>-11<sup>45</sup> **F. Cimpoeșu<sup>26</sup>**

**CO9** *Luminescent Phenothiazine-Azomethines with tuned Morphology*  
11<sup>45</sup>-12<sup>00</sup> **A.-G. Zăbulică<sup>3</sup>, M. Balan, D. Belei<sup>1</sup>, M. Sava<sup>1</sup>, M. Brumă<sup>1</sup>, L. Marin<sup>1</sup>**

**CO10** *Effectiveness of a alcohol assay in establishing uncoupling act some pollutants*  
12<sup>00</sup>-12<sup>15</sup> **M. Zaharia<sup>1</sup>, R. Gradinaru<sup>1</sup>, G. Zbancioc<sup>1</sup> and G. Drochioiu<sup>1</sup>**

**CO11** *Synthesis of poly(vinyl acetate-co-4-acryloyloxybenzylidene-iminepyrene) and fluorescence study*  
12<sup>15</sup>-12<sup>30</sup> **V. E. Podașcă<sup>3</sup>, E. C. Buruiană<sup>3</sup>**

**CO12** *The corrosion behavior of mild steel in water from Bahlui river*  
12<sup>30</sup>-12<sup>45</sup> **A. Ciomaga<sup>37</sup>, G. Nemțoi<sup>1</sup>**

**CO13** *1. Electrosynthesis of copolymers based on water-soluble N-substituted aniline derivatives: structural characterization and electrochemical stability*  
12<sup>45</sup>-13<sup>00</sup> **L. Vacareanu<sup>3</sup>, M. Grigoraș<sup>3</sup>**

13<sup>00</sup>-14<sup>00</sup> *Sesiune de postere*

**PAUZĂ DE MASĂ**

**Moderatori: Conf. Dr. C. N. Lungu<sup>1</sup>  
Lector Dr. C. Arsene<sup>1</sup>**

- CO14** *(Bio)active Layers Deposition by Electro spraying*  
14<sup>00</sup>-14<sup>15</sup>  
E. Pâslaru<sup>3</sup>, B. S. Munteanu<sup>10</sup>, A. Coroaba<sup>3</sup>, G. E. Hitruc<sup>3</sup>,  
M. C. Baican<sup>7</sup>, C. Vasile<sup>3</sup>
- CO15** *Electrospin coatings for antioxidant food packaging*  
14<sup>15</sup>-14<sup>30</sup>  
R. P. Dumitriu<sup>3</sup>, G. R. Mitchell<sup>22</sup>, F. J. Davis<sup>22</sup>, C. Vasile<sup>3</sup>
- CO16** *Interaction of CoA-SH with metal ions*  
14<sup>30</sup>-14<sup>45</sup>  
C. Andrieș<sup>1</sup>, G. Nemțoi<sup>1</sup>, I. Stoica<sup>3</sup>, G. Zbancioc<sup>1</sup>, G. Drochioiu<sup>1</sup>,  
R. Gradinaru<sup>1</sup>
- CO17** *Crosslinked structures based on cellulose and siloxane derivatives*  
14<sup>45</sup>-15<sup>00</sup>  
G. Stiubianu<sup>3</sup>, A. Nistor<sup>3</sup>, M. Cazacu<sup>3</sup>
- CO18** *Functionalized polyurethanes as valuable supports for biomolecules conjugation*  
15<sup>00</sup>-15<sup>15</sup>  
L. Ignat<sup>3</sup>, M.E. Ignat<sup>3</sup>, M. Pinteala<sup>3</sup>
- CO19** *Metal-peptide complexes involved in the neurodegenerative diseases*  
15<sup>15</sup>-15<sup>30</sup>  
G. Drochioiu<sup>1</sup>, R. Gradinaru<sup>1</sup>, A. Petre<sup>1</sup>, G. Zbancioc<sup>1</sup>, L. Hăbășescu<sup>1</sup>,  
L. Ion<sup>1</sup>, A. Adochiței<sup>1</sup>, M. Murariu<sup>1</sup>, S. Băncilă<sup>1</sup>, C. Andrieș<sup>1</sup>,  
I. Mangalagiu<sup>1</sup>

15<sup>30</sup>-16<sup>00</sup>

*Sesiune de postere*

**PAUZĂ DE CAFEĂ**

**Moderatori: Conf. Dr. R. Olariu<sup>1</sup>  
Conf. Dr. A. Birzu<sup>1</sup>**

- CO20** *Non covalent interaction in some supramolecular systems*  
16<sup>00</sup>-16<sup>15</sup>  
I. Humelnicu<sup>1</sup>
- CO21** *Dinitrophenols and Cyanide: Analytical and Toxicological Approach*  
16<sup>15</sup>-16<sup>30</sup>  
I. Mangalagiu<sup>1</sup>, M. Zaharia, G. Drochioiu<sup>1</sup>, A. Surleva<sup>1</sup>, R. Gradinaru<sup>1</sup>,  
A. Pui<sup>1</sup>, S. Bancila<sup>1</sup>, G. Zbancioc<sup>1</sup>
- CO22** *Synthesis and characterization of oxide compounds with general formula Mg<sub>1-x</sub>Cu<sub>x</sub>Fe<sub>2</sub>O<sub>4</sub>*  
16<sup>30</sup>-16<sup>45</sup>  
A. C. Druc<sup>1</sup>, A. M. Dumitrescu<sup>1</sup>, A. R. Iordan<sup>1</sup>, M. N. Palamaru<sup>1</sup>
- CO23** *Influence of nanoparticles on the thermal decomposition of hybrid nanocomposites based on starch/poly(vinyl alcohol) montmorillonit*  
16<sup>45</sup>-17<sup>00</sup>  
M.-T. Nistor<sup>3</sup>, C. Vasile<sup>3</sup>
- CO24** *Synthesis and study of catalytic properties of bulk and supported LaCrO<sub>3</sub>*  
17<sup>00</sup>-17<sup>15</sup>  
S. Feraru<sup>1</sup>, P. M. Samoilă<sup>1</sup>, A. R. Iordan<sup>1</sup>, M. N. Palamaru<sup>1</sup>
- CO25** *Photocatalytic activity study of metal - SnO<sub>2</sub> for the degradation of Eosin Y in aqueous suspension*  
17<sup>15</sup>-17<sup>30</sup>  
E.-D. Tanasa<sup>1</sup>, C.-G. Piuleac<sup>2</sup>, E. Popovici<sup>1</sup>, S. Curteanu<sup>2</sup>
- CO26** *Green synthesis of silver nanoparticles with sodium lignosulphonate*  
17<sup>30</sup>-17<sup>45</sup>  
L. Ignat<sup>3</sup>, M.E. Ignat<sup>3</sup>, A. Durdureanu-Angheluta<sup>3</sup>, A. Coroaba<sup>3</sup>,  
F. Doroftei<sup>3</sup>, D. Timpu<sup>3</sup>, M. Pinteala<sup>3</sup>
- CO27** *Hydrolytic degradation of some poly(vinyl alcohol) copolymers for biomedical applications*  
17<sup>45</sup>-18<sup>00</sup>  
Rodica Lipsa<sup>3</sup>, Nita Tudorachi<sup>3</sup>, Cornelia Vasile<sup>3</sup>, Manuela Tatiana Nistor<sup>3</sup>, Cristian Grigoras<sup>3</sup>

18<sup>00</sup>-18<sup>30</sup>

*Sesiune de postere*

18<sup>30</sup>

**Închiderea sesiunii**

## POSTERE

- P1** *New "SWS" (Solid water sorption)*  
V. Diaconescu<sup>16</sup>, M. Spiridon<sup>2</sup>, R. Diaconescu<sup>2</sup>, I. Mămăligă<sup>2</sup>
- P2** *Preparation and characterization of a new composite material used for the water vapor adsorption*  
M. Spiridon<sup>2</sup>, V. Diaconescu<sup>16</sup>, R. Diaconescu<sup>2</sup>, M. Spiridon<sup>2</sup>, M. S. Secula<sup>2</sup>, I. Mămăligă<sup>2</sup>
- 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-Man<sup>1</sup>, R. Buhăceanu<sup>1</sup>, M. Frontasyeva<sup>27</sup>, O. Culicov<sup>27</sup>
- P4** *Synthesis of new aza-analogues of pyrimidines bases*  
L. Lucescu<sup>1</sup>, D. Belei<sup>1</sup>, P. Gautret<sup>19</sup>, B. Rigo<sup>19</sup>, A. Ghineț<sup>19</sup>, E. Bîcu<sup>1</sup>
- P5** *Micro and mesoporous materials for heavy metals removal from wine*  
C. Luchian<sup>12</sup>, Valeriu Cotea<sup>12</sup>, Nicolae Bîlbă<sup>1</sup>, Antoanela Patraș<sup>12</sup>, M. Niculaua<sup>28</sup>
- P6** *Synthesis and biological evaluation of new propargyl derivatives containing phenothiazine moiety*  
S. Ștefanovici<sup>1</sup>, L. Lucescu<sup>1</sup>, C. Dumea<sup>1</sup>, A. Ghineț<sup>19</sup>, D. Belei<sup>1</sup>, E. Bîcu<sup>1</sup>
- P7** *Testing of antioxidative and antimicrobial activity of some new food packagings*  
G. Pricope<sup>23</sup>, C. Vasile<sup>3</sup>, R.N. Darie<sup>3</sup>, E. Pâslaru<sup>3</sup>, B.S. Munteanu<sup>10</sup>
- P8** *New derivatives of 5-nitroindazole with potential antitumoral activity*  
C. Cheptea<sup>1,7</sup>, M. Holban<sup>1</sup>, C. Stan<sup>24</sup>, V. Șunel<sup>1</sup>, D. O. Dorohoi<sup>10</sup>

- 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. Grebinisan<sup>1</sup>, M. Holban<sup>1</sup>, V. Șunel<sup>1</sup>, M. Popa<sup>2</sup>, J. Desbrieres<sup>29</sup>
- P10** *New phenothiazine and carbazole derivatives as inhibitors of human farnesyltransferase.*  
G.-M. Dumitriu<sup>1</sup>, D. Belei<sup>1</sup>, E. Bîcu<sup>1</sup>, Joëlle Dubois<sup>30</sup>, P. Gautret<sup>19</sup>, B. Rigo<sup>19</sup>, A. Ghineț<sup>19</sup>
- P11** *Synthesis and Antimicrobial Activity of New Amidic Derivatives of 5-Nitroindazol-1-yl Acetic Acid Encapsulated into Alginate/Pectin Particles*  
C. Cheptea<sup>1,13</sup>, M. Holban<sup>1</sup>, C. Peptu<sup>3</sup>, C. Lionte<sup>7</sup>, V. Șunel<sup>1</sup>, M. I. Popa<sup>2</sup>, J. Desbrieres<sup>29</sup>
- P12** *Gas permeability of some biocomposites*  
A. Sdrobis<sup>3</sup>, R. N. Darie<sup>3</sup>, A. Baklavaridis<sup>14</sup>, C. Vasile<sup>3</sup>
- P13** *Segmented polyurethane and poly(urethane-urea) elastomers based on heterocyclic moiety: relaxations phenomena*  
V. O. Potolinca<sup>3</sup>, S. Oprea<sup>3</sup>, E. C. Buruiana<sup>3</sup>
- P14** *Aspects of thermal behaviour in air of casein investigated by FTIR and calorimetry*  
L. Odochian<sup>1</sup>, C. Moldoveanu<sup>1</sup>, I. Lorela<sup>4</sup>, A. Băiceanu<sup>5</sup>, P. Angela<sup>15</sup>, C. Păiuș<sup>2</sup>
- P15** *Synthesis and characterization of some lanthanide polioxomolybdates*  
D. Humelnicu<sup>1</sup>, I. Humelnicu<sup>1</sup>, S. Sova<sup>31</sup>
- P16** *Fluorescence compounds: a first step study*  
S. Băncila<sup>1</sup>, L. Hăbășescu<sup>1</sup>, M. Zaharia<sup>1</sup>, M. Murariu<sup>3</sup> and G. Drochioiu<sup>1</sup>

- P17** *Synthesis under ultrasound irradiation of new pyrrolo-diazinic compounds with acetophenonic chain*  
V. Bejan (Antoci)<sup>1</sup>, D. Mantu<sup>1</sup>, G. Zbancioc<sup>1</sup>, C. Deleanu<sup>3</sup>, I. Mangalagiu<sup>1</sup>
- P18** *Photo-induced grating formations in polysiloxanes modified with azobenzene derivatives*  
C.-M. Păiuș<sup>2</sup>, L. Rocha<sup>11</sup>, N. Hurduc<sup>2</sup>
- P19** *X-ray studies of some unexpected fused azaheterocycles*  
D. Mantu<sup>1</sup>, V. Antoci<sup>1</sup>, C. Moldoveanu<sup>1</sup>, S. Sova<sup>3</sup>, A. Nicolescu<sup>3</sup>, I. Mangalagiu<sup>1</sup>
- P20** *One-pot synthesis of new pyrrolo-diazinic compounds with sulfonamide chain (classical versus ultrasound)*  
E.-L. Ene (căș. Plesnicute)<sup>1</sup>, V. Bejan (căș. Antoci)<sup>1</sup>, D. Mantu<sup>1</sup>, I. Mangalagiu<sup>1</sup>
- P21** *Influence of Fe/Ta substitution on the structural and physical properties of Sr<sub>2</sub>Fe<sub>1+x</sub>Ta<sub>1-x</sub>O<sub>6</sub> double perovskite*  
I. A. Gorodea<sup>1</sup>, F. P. Gheorghiu<sup>10</sup>, O. R. Hauta<sup>2</sup>, A. R. Iordan<sup>1</sup>, M. N. Palamaru<sup>1</sup>
- P22** *Crosslinked silicones functionalized for metal retention*  
M. Alexandru<sup>3</sup>, M. Cazacu<sup>3</sup>, C. Racles<sup>3</sup>.
- P23** *Study kinetic of the penicillin G degradation in the presence of a penicillinase with attenuated activity*  
N. C. Lungu<sup>1</sup>, M. Alexandroaei<sup>1</sup>, R. Grădinaru<sup>1</sup>, I. V. Asaftei<sup>1</sup>
- P24** *Oxidative modification in proteins: synthesis and structural characterisation of tyrosine modified peptides*  
L. Ion<sup>1,36</sup>, C. Andrieș<sup>1,36</sup>, G. Drochioiu<sup>1</sup> and B. A. Petre<sup>1,36</sup>
- P25** *Morphological and surface studies of some new supramolecular polymers containing dimethylsilane groups*  
M. F. Zaltariov<sup>3</sup>, A. Nistor<sup>3</sup>, A. Vlad<sup>3</sup>, G. Stiubianu<sup>3</sup>, M. Cazacu<sup>3</sup>

- 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<sup>1,6</sup>, C. Tănase<sup>6</sup>, C. M. Iftime<sup>1</sup>, R. I. Olariu<sup>1</sup>, C. Arsene<sup>1</sup>
- P27** *Adsorbition capacity study of cations dyes on several magnetic nanoparticles*  
C. Vîrlan<sup>1</sup>, D. Ghercă<sup>1</sup>, R. Ciocârlan<sup>1</sup>, A. Pui<sup>1</sup>
- P28** *Influence of NaOH concentration on coprecipitation synthesis morphology and particle size of cobalt ferrite NPS*  
R. Ciocârlan<sup>1</sup>, D. Ghercă<sup>1</sup>, N. Cornei<sup>1</sup>, A. Pui<sup>1</sup>
- P29** *Ultrasound assisted synthesis of new imidazoilum salts*  
I. Stoian<sup>1</sup>, P. M. Știuleac<sup>1</sup>, I. I. Sîlea<sup>1</sup>, G. Zbancioc<sup>1</sup>, C. Moldoveanu<sup>1</sup>, I. Mangalagiu<sup>1</sup>
- P30** *Synthesis of new coronands and spiro-derivatives using ultrasonic irradiation*  
G. Zbancioc<sup>1</sup>, C. Moldoveanu<sup>1</sup>, D. Mantu<sup>1</sup>, V. Antoci<sup>1</sup>, I. Mangalagiu<sup>1</sup>
- P31** *Contributions to the Thermal Degradation Mechanism under Nitrogen Atmosphere of PTFE by TG-FTIR Analysis. Influence of the Particle Size.*  
L. Odochian<sup>1</sup>, C. Moldoveanu<sup>1</sup>, A. Mocanu<sup>2</sup>, D. Maftai<sup>1</sup>
- P32** *Synthesis, structural analysis and magnetic properties of low Pb-doped LaMnO<sub>3</sub> manganite*  
C. Mîță<sup>1</sup>, M.-L. Craus<sup>27,32</sup>, N. Cornei<sup>1</sup>, V. Dobrea<sup>32</sup>
- P33** *Characterization of certain metalloporphyrins using dynamic thermal methods and molecular modeling*  
N. Hurduc<sup>1</sup>, C. Wilson<sup>33</sup>, D. A. Wilson<sup>2,34</sup>, R. W. Boyle<sup>34</sup>, G. H. Mehl<sup>33</sup>, G. Lisa<sup>2</sup>
- P34** *Uranium removal from aqueous solutions by new materials based on power station ash*  
G. Buema<sup>2</sup>, P. Misaelides<sup>35</sup>, F. Noli<sup>35</sup>, D. M. Sutiman<sup>2</sup>, M. Harja<sup>2</sup>, I. Crețescu<sup>2</sup>

**P35** *Wood-polymer composites: effect of the thermal pre-treatment of wood filler on the composites stability towards water*  
M. Zanoaga<sup>3</sup>, F. Tanasa<sup>3</sup>

**P36** *Effect of chemically modified cellulosic fibres on the properties of novel polypropylene composite materials*  
M. Zanoaga<sup>3</sup>, F. Tanasa<sup>3</sup>

**P37** *Ternary thermoplastic blends based on block-copolymers recycled polyethylene and polyamide fibers*  
 F. Tanasa<sup>3</sup>, M. Zanoaga<sup>3</sup>, N. Busko<sup>8</sup>, A. Barantsova<sup>8</sup>, V. Grishchenko<sup>15</sup>

**P38** *Blends based on a nylon copolymer and EPDM rubber. Compatibilizer influence on their properties*  
 F. Tanasa<sup>3</sup>, M. Zanoaga<sup>3</sup>, R. Darie<sup>3</sup>

**P39** *Multivariate statistical analysis on size dependent behavior of CoFe2O4 Nanoparticles*  
D. G. Cozma<sup>1</sup>, D. Ghercă<sup>1</sup>, N. Cornei<sup>1</sup>, A. Pui<sup>1</sup>

**P40** *Performances of implicit (PCM), explicit and mixed solvation models in computing UV-Vis spectra of fluorescein in aqueous solution*  
D. Isac<sup>1</sup>, M. Alexandru<sup>1</sup>, D. Maftai<sup>1</sup>, I. Humelnicu<sup>1</sup>

**P41** *Ab initio and DFT studies on keto-enol tautomerism and fluorescence emission of 7-acetyl pyrrolopyridazine*  
D. Maftai<sup>1</sup>, I. Humelnicu<sup>1</sup>, I. Mangalagiu<sup>1</sup>

**P42** *Titaniumsilsesquioxane synthesis and use as filler for silicone polymers*  
A. M. C. Dumitriu<sup>3</sup>, M. Cazacu<sup>3</sup>, A. Bargan<sup>3</sup>, C.- D. Varganici<sup>9</sup>, G. Stiubeanu<sup>3</sup>

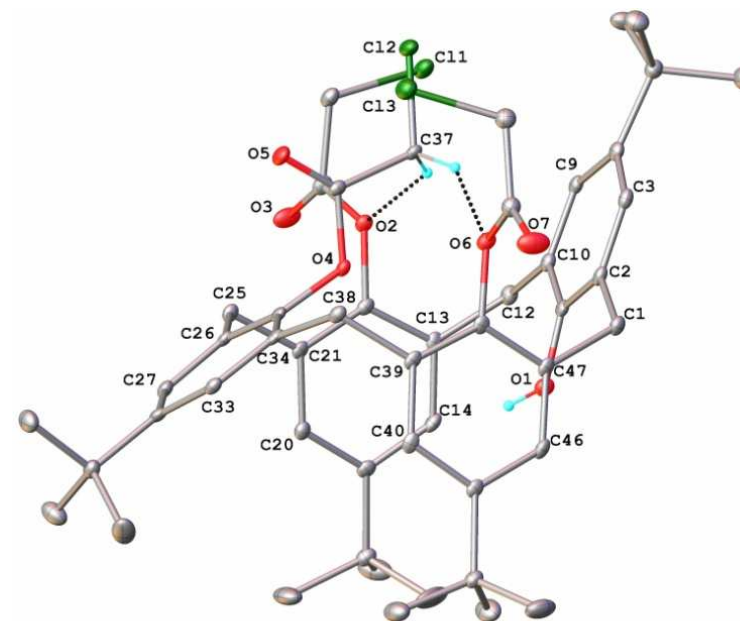
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