



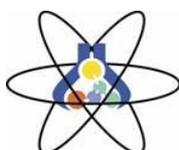
## WORKSHOP

# *From Molecules to Functionalized Materials*



**Workshop "From Molecules to Functionalised Materials" 14-19 October 2013****Agenda****Tuesday, 15 October 2013****9.00 Registration****10.00 Welcoming address**  
**Prof. Dr. Luminita Silaghi-Dumitrescu**  
**Prof. Dr. Evamarie Hey-Hawkins****Session I** (chair: Felix Windisch)**10.30 Guest lecture**  
**Ass. Prof. Violeta Ivanova Petropulos**  
(Faculty of Agriculture, "Goce Delčev" University, Štip, Macedonia)  
*Advanced analytical techniques for wine analysis***11.00 Antonio Buzarevski**  
(Faculty of Natural Sciences and Mathematics, "Ss. Cyril and Methodius" University, Skopje, Macedonia)  
*Spectroscopic studies of novel benzamidomethyl derivatives of methansulfonamide***11.20 Veton Haziri**  
(Faculty of Natural Sciences, University of Prishtina, Prishtina, Kosovo)  
*Electrochemical study of the complexation of metal ions onto the organic layers derived from electrochemical reduction of the "in situ" formed pyridine derivatives of diazonium salts***11.40-12.00 Coffee break****Session II** (chair: Noemi Deak)**12.00 Belinda Aliu**  
(Faculty of Natural and Mathematical Sciences, State University of Tetovo, Tetovo, Macedonia)  
*Synthesis of new hydrazylidene chromane-2,4-dione with high cytostatic activity*

MatCatNet - International Master and Postgraduate Programme in Materials Science and Catalysis

UNIVERSITETI I PRISHTINËS  
UNIVERSITY OF PRISHTINA

**12.20****Corina Stanciu***(Faculty of Chemistry and Chemical Engineering, Babeş-Bolyai University, Cluj-Napoca, Romania)**Nitrosative stress study on different types of oxyglobines***12.40****Ivana Vučković***(Faculty of Natural Sciences and Mathematics, "Ss. Cyril and Methodius" University, Skopje, Macedonia)**Study on the biomonitoring of air pollution in Croatia by using moss samples, ICP-AES and AAS***13.00-14.30 Lunch break****Session III (chair: Arianit Reka)****14.30****Gentiana Hasani***(Faculty of Natural Sciences, University of Prishtina, Prishtina, Kosovo)**Synthesis and the use of derivatives of silanes as corrosion inhibitors***14.50****Biljana Mitrova***(Faculty of Natural Sciences and Mathematics, "Ss. Cyril and Methodius" University, Skopje, Macedonia)**Electrochemical and spectroscopic study of glucose oxidase at liquid/liquid interface***15.10****Balazs Brem***(Faculty of Chemistry and Chemical Engineering, Babeş-Bolyai University, Cluj-Napoca, Romania)**Phenothiazine based dipyrromethanes acylation, and selective purification with dialkyl-tin complexation***15.30****Poster Flash Presentations (chair: Maja Janchovska)****Tanja Atanaskova***(Faculty of Natural Sciences and Mathematics, "Ss. Cyril and Methodius" University, Skopje, Macedonia)**Electrochemical study of cytochrome C at three-phase electrodes***Tanja Dimitrova***(Faculty of Natural Sciences and Mathematics, "Ss. Cyril and Methodius" University, Skopje, Macedonia)**Synthesis of N<sup>4</sup>-[(3Z)-1-acetyl-5-chloro-2-oxo-1,2-dihydro-3H-indol-3-ylidene]thiocarbonohydrazide*

MatCatNet - International Master and Postgraduate Programme in Materials Science and Catalysis

UNIVERSITETI I PRISHTINËS  
UNIVERSITY OF PRISHTINA

**Besarta Kastrati***(Faculty of Natural Sciences, University of Prishtina, Prishtina, Kosovo)**Assesing the complexing abillitys of some amino compounds troward lead and cadmium ions by using differential pulse polarography***Maja Janchovska***(Faculty of Medical Sciences, "Goce Delčev" University, Štip, Macedonia)**Analysis of organic acids in macedonian wines by capillary electrophoresis***Galaba Naumova***(Faculty of Medical Sciences, "Goce Delčev" University, Štip, Macedonia)**Synthesis and properties of novel coenzyme-Q derivatives obtained from coenzyme Q-0***Marjan Randjelovic***(Faculty of Science and Mathematics, University of Nis , Nis, Serbia)**Photocatalytic decomposition of selected organic dye with TiO<sub>2</sub> and m-modified TiO<sub>2</sub> catalysts***Milos Marinkovic***(Faculty of Science and Mathematics, University of Nis , Nis, Serbia)**The influence of various reaction parameters over alumina as suport with base promoter on the activity in the transesterification reaction of sunflower oil***Nikola Stojkovic***(Faculty of Science and Mathematics, University of Nis , Nis, Serbia)**Influence of different parameters on the activity of sulfated zirconia catalyst in the reaction of transesterification of sunflower oil***16.30****Visit of the Faculty of Chemistry and Chemical Engineering and sightseeing of Cluj-Napoca**UNIVERSITETI I PRISHTINËS  
UNIVERSITY OF PRISHTINA

**Friday, 18 October 2013****Session IV** (chair: Nikola Stojkovic)**9.00****Guest lecture****Ass. Prof. Sanja Kostadinovik***(Faculty of Agriculture, University "Goce Delčev", Štip, Macedonia)**In vitro antioxidant activity of cold pressed edible oils from Macedonia***9.30****Antonio Buzarevski***(Faculty of Natural Sciences and Mathematics, "Ss. Cyril and Methodius" University, Skopje, Macedonia)**Some uses of the carboranyl moiety as a potential pharmacophore***9.50****Arianit Reka***(Faculty of Natural Sciences and Mathematics, State University of Tetovo, Tetovo, Macedonia)**Characterization of natural amorphous SiO<sub>2</sub>***10.10****Miha Bukleski***(Faculty of Natural Sciences and Mathematics, "Ss. Cyril and Methodius" University, Skopje, Macedonia)**Spectroscopic investigations of mononuclear deposition of 3-aminopropyltrimethoxysilane on a silica gel surface***10.30-11.00 Coffee break****Session V** (chair: Antonio Buzarevski)**11.00****Sepideh Banakhojasteh***(Faculty of Chemistry and Mineralogy, Universität Leipzig, Leipzig, Germany)**Synthesis of nanowire photocatalyst by using biotemplating (bacteriophage M13)***11.20****Deak Noemi***(Faculty of Chemistry and Chemical Engineering, Babeş-Bolyai University, Cluj-Napoca, Romania)**Theoretical investigation of metallylenes*

MatCatNet - International Master and Postgraduate Programme in Materials Science and Catalysis

UNIVERSITETI I PRISHTINËS  
UNIVERSITY OF PRISHTINA



## 12.00 Poster Flash Presentations (chair: Corina Stanciu)

### **Marija Sterjova**

(Faculty of Medical Sciences, "Goce Delčev" University, Štip, Macedonia)

*The use of  $^{90}\text{Sr}/^{90}\text{Y}$  for electrochemical separation of  $^{90}\text{Y}$  from  $^{90}\text{Sr}$*

### **Viktorija Maksimova**

(Faculty of Medical Sciences, "Goce Delčev" University, Štip, Macedonia)

*Screening on antioxidant properties of ethanolic extracts of capsicum species by frap assay and prospective voltammetric methods*

### **Elena Drakalska**

(Faculty of Medical Sciences, "Goce Delčev" University, Štip, Macedonia)

*Preparation and characterization of chitosan-alginate-pegilated calx[4]arenes nanoparticles for delivery of curcumin*

### **Nenad Dojčinović**

(Faculty of Science and Mathematics, University of Nis, Nis, Serbia)

*Photo-fenton effect of polystyrene*

### **Anup Kumar Adhikari**

(Faculty of Chemistry and Mineralogy, Universität Leipzig, Leipzig, Germany)

*1,2-diphosphaindazole: A promising building block for novel materials*

### **Reka Mihaly**

(Faculty of Chemistry and Chemical Engineering, University Babeş-Bolyai, Cluj-Napoca, Romania)

*Synthesis and characterization of new Betti bases*

### **Eva Molnar**

(Faculty of Chemistry and Chemical Engineering, University Babeş-Bolyai, Cluj-Napoca, Romania)

*Phenothiazine-based AB-type porphyrins  
-Synthesis and photochemical bromination-*

### **Angela Aleksovska**

(Faculty of Natural Sciences and Mathematics, "Ss. Cyril and Methodius" University, Skopje, Macedonia)

*Thiol anchoring and catalysis of gold nanoparticles at the liquid interface of thin-organic-film-modified electrodes*

## 13.00-14.30 Lunch Break

MatCatNet - International Master and Postgraduate Programme in Materials Science and Catalysis



UNIVERSITETI I PRISHTINËS  
UNIVERSITY OF PRISHTINA



## Session VI (chair: Miha Bukleski)

14.30

**Felix Windisch**

*(Faculty of Chemistry and Mineralogy, Universität Leipzig, Leipzig, Germany)*

***Chiral 2-Ferrocenyl-[1,3,2]-oxazaphospholidine-2-oxides for Stereoselective ortho-Lithiations***

14.50

**Valdrin Jonuzaj**

*(Faculty of Natural Sciences, University of Prishtina, Prishtina, Kosovo)*

***Electrochemical study of some synthesized perylene derivatives***

15.10

**Nikolina Mitreska**

*(Faculty of Natural Sciences and Mathematics, "Ss. Cyril and Methodius" University, Skopje, Macedonia)*

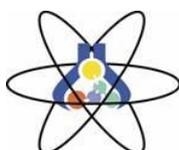
***Electrochemistry of coenzymes Q***

15.30-16.30 **Poster session, Coffee/Refreshments**

17.30

**Award ceremony, Official closing of the Workshop**

MatCatNet - International Master and Postgraduate Programme in Materials Science and Catalysis



UNIVERSITETI I PRISHTINËS  
UNIVERSITY OF PRISHTINA