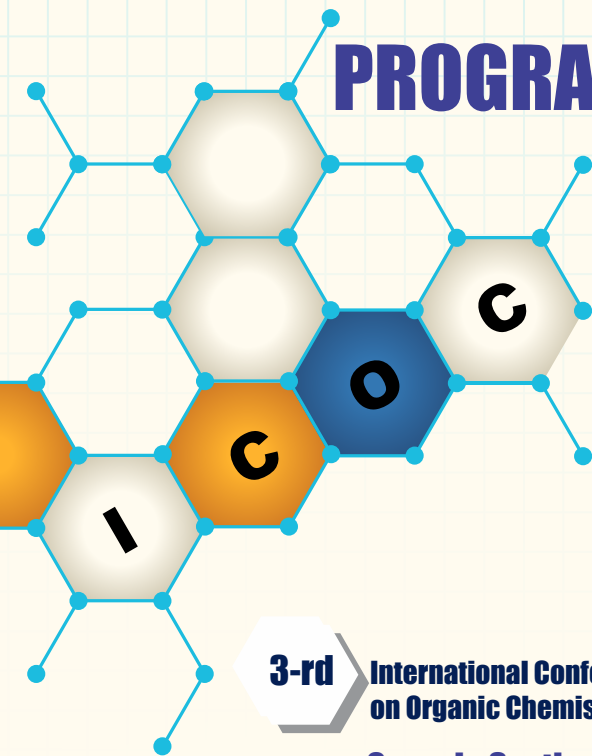


IV. JAVAKHISHVILI TBILISI STATE UNIVERSITY  
ASSOCIATION OF PROFESSIONAL CHEMISTS OF GEORGIA

# PROGRAM



**3-rd**

**International Conference  
on Organic Chemistry**

**Organic Synthesis-  
Driving Force of Life Development**

**25-28 September, 2014  
Tbilisi, Georgia**

26 September, 2014

9<sup>00</sup>-9<sup>45</sup>

**Hort Kunz**

**PL**

Domino reactions. concepts for efficient organic synthesis

*(Chair U. Kazmaier)*

**Carbo- and Heterocyclic Chemistry**

*(Chair U. Kazmaier)*

9<sup>45</sup>-10<sup>15</sup>

**IL**

**I.N.N. Namboothiri**

Synthesis of carbocycles and heterocycles via cascade reactions of Morita-Baylis-Hillman adducts of nitroalkenes

10<sup>15</sup>-10<sup>45</sup>

**IL**

**D.B.G. Bradley**

D-Galactal as a source of readily available benzopyrans, chromenes and chromans

10<sup>45</sup>-11<sup>00</sup>

**A. Demchenko**

Synthesis and biological properties of [1,3]thiazolo [4,5-d]-pyridazin-4(5h)-ones

11<sup>00</sup>-11<sup>15</sup>

**A. Menzek**

Synthesis of cyclohexane derivatives including Br, Cl, N, O and S at 1,2,4,5-positions

11<sup>15</sup>-11<sup>30</sup>

**M. Soselia**

The synthesis and study of 5(6)-alkoxy- and 5(6)-carboxy-2-(1-adamantyl) benzimidazoles derivatives

11<sup>30</sup>-11<sup>45</sup>

**T. Bukia**

Synthesis and studies of some adamantane containing benzylidenes, benzimidazoles and dipeptides

11<sup>45</sup>-12<sup>00</sup>

**G.G. Danagulyan**

Pyrimidine-based syntheses of bis-heteroaryl systems for producing selective chemosensors of metal cations

## Biological Chemistry and Natural Products

(Chair R. Breinbauer)

9<sup>45</sup>-10<sup>00</sup>

*Time for change the hall*

10<sup>00</sup>-10<sup>15</sup>

**T. Sanikidze**

Antioxidant activity of rosmarinic acid-rich extracts of summer savory (satureja hortensis l.)

10<sup>15</sup>-10<sup>30</sup>

**A. Skhirtladze**

Yucca gloriosa l. introduced in georgia, as rich source of steroidal compounds

10<sup>30</sup>-10<sup>45</sup>

**S. F. Garayev**

Iodinealkoxylation of limonene by propynol and annilation of new cycle from adduct

10<sup>45</sup>-11<sup>00</sup>

**M.G. Bogdanov**

A novel one-pot synthesis and preliminary biological activity evaluation of cis-restricted polyhydroxystilbenes incorporating protocatechuic and cinnamic acid fragment

11<sup>00</sup>-11<sup>15</sup>

**C.A. Andac**

Effect of spiperone binding on a membrane bound human gicoupled d2l dopamine receptor

11<sup>15</sup>-11<sup>30</sup>

**I. N. Pantcheva**

Complexation of polyether ionophores as a potential tool for enhancement of their biological activity

11<sup>30</sup>-11<sup>45</sup>

**N. Zavrashvili**

New cationic polymers composed of naturally occuring building bloks – arginine and spermine

11<sup>45</sup>-12<sup>00</sup>

**S. Kobuari**

New amino acid based biodegradable polymers and nano-par-ticles made of them

12<sup>00</sup>-13<sup>45</sup>

Lunch

## Biological Chemistry and Natural Products

*(Chair I. Namboothiri)*

13<sup>45</sup>-14<sup>15</sup>

**IL**

**R. Breinbauer**

The Tale of Two Enantiomers - Organic Synthesis of Inhibitors of Enzymes and Protein-Protein-Interactions

14<sup>15</sup>-14<sup>45</sup>

**IL**

**T. Sato**

Chemoselective Nucleophilic Addition To N-Alkoxyamides: Development And Application To The Total Synthesis Of Gephyrotoxin

14<sup>45</sup>-15<sup>00</sup>

**G. Gellerman**

"Switch off/switch on" regulation of drug cytotoxicity by conjugation to a cell targeting peptide

## Miscellaneous Topics

*(Chair D.B.G. Bradley)*

13<sup>45</sup>-14<sup>15</sup>

**IL**

**G.C.Vougioukalakis**

Novel molecular photosensitizers for dyesensitized solar cells and photodynamic therapy applications

14<sup>15</sup>-14<sup>45</sup>

**IL**

**M. Erdelyi**

The three-center-four-electron halogen bond

14<sup>45</sup>-15<sup>00</sup>

**G. Kashi**

Optimization Electrophotocatalytic removal of sulfanilamide from aqueous water by Taguchi model

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

Coffee Break

## Miscellaneous Topics

(Chair T. Sato)

15<sup>30</sup>-15<sup>45</sup>

### **Jahangiri-rad**

Evaluation of Electro-Fenton process performance for an organic dye (Reactive Blue 29) removal from aqueous solution

15<sup>45</sup>-16<sup>00</sup>

### **E. Dehghanifard**

Photocatalytic degradation of aniline in aqueous solution using ZnO nanoparticles

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

### **W. Minatey**

Theoretical study for the effect of hydroxyl radical on the electronic properties of cyclobutadiene molecular

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

### **Al-Attiah**

Study of Electrical Properties of (PVA-BaSO<sub>4</sub>·5H<sub>2</sub>O) Composites

16<sup>30</sup>-17<sup>00</sup>

Coffee Break

17<sup>30</sup>-

City Tour

**27 September 2014**

**New methodologies**

**(Chair: H. Kunz)**

9<sup>00</sup>-9<sup>45</sup>

**PL**

**Lutz F. Tietze**

Synthesis of mucin glycopeptide antigens for the development of antitumor vaccines

9<sup>45</sup>-10<sup>15</sup>

**IL**

**L. El Kaim**

Riding the beast with a Smiles: a journey along isocyanide-based multicomponent reactions

10<sup>15</sup>-10<sup>45</sup>

**IL**

**S. Balalaie**

Synthesis of novel peptides through multicomponent reactions and investigation of their biological activities

10<sup>45</sup>-11<sup>00</sup>

**S. L. Ioffe**

New reactivity of aliphatic nitro compounds via silylation of nitronates.

11<sup>00</sup>-11<sup>15</sup>

**R. Kakava**

Synthesis of novel chiral sulfoxides

11<sup>15</sup>-11<sup>30</sup>

**I. Sivaev**

Direct C-H borylation of arenes with carborane-based quaziborinium cation

11<sup>30</sup>-11<sup>45</sup>

**A. Ahmedova**

Structure-based design and synthesis of organic ligands - the milestone in the way from coordination to supramolecular chemistry

11<sup>45</sup>-12<sup>00</sup>

**S. Vatsadze**

Organic and organometallic tectones for supramolecular gels

12<sup>00</sup>-13<sup>30</sup>

Lunch

**Organometallic Chemistry and Catalysis**  
**(Chair: L F Tietze)**

13<sup>30</sup>-14<sup>00</sup>

**IL**

**M. Yoshida**

Palladium-catalyzed cyclization of propargylic esters with nucleophiles

14<sup>00</sup>-14<sup>30</sup>

**IL**

**U. Kazmaier**

Transition metal-catalyzed allylic alkylations - versatile tools for amino acid and peptide syntheses

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

Coffee Break

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

Poster Session

16<sup>30</sup>-17<sup>00</sup>

Coffee Break

17<sup>00</sup>-18<sup>00</sup>

Closing Ceremony

18<sup>00</sup>-18<sup>15</sup>

Transfer to Restaurant

18<sup>15</sup>-

Conference banquet

**28 September 2014**

9<sup>00</sup>-21<sup>00</sup>

Excursion







# ICOC-2014

25-28 September, 2014

Tbilisi, Georgia

## ORGANIZERS



## PARTNERS



[mastsavlebeli.ge](http://mastsavlebeli.ge)



For any additional information regarding the meeting,  
please contact organizing committee at  
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Cell phone: (+995 593) 35 75 38