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Georgian Technical University
Association of Professional Chemists
of Georgia

3-rd International Conference of Young Scientists "Chemistry Today - 2013"

May 17-19, 2013
Tbilisi, Georgia



Program

May 17, 2013

9.00-10.00 Registration

10.00-10.30 Opening Ceremony

10.30-11.30 Invited Lecture

Prof. Ramaz Katsarava

"Amino Acid Based Biodegradable Polymers - Versatile Materials for Numerous Biomedical Applications"

11.30-12.30 Invited Lecture

Prof. George Kvesitadze

"Ecological Potential Of Plants"

12.30-13.30 **Coffee Break**

ORAL SESSION A

(Chairmen Kh. Mamaishvili.)

13.30-13.50 **New Approach To The Design Of Arginine Containing Cationic Polymers**

N. Zavrashvili, T. Mamanishvili, N. Kapatadze, D. Tugushi, Ch. Wandrey, L. Baldi, X. Shen, R. Katsarava
Georgia

13.50-14.10 **New Heterocyclic Systems Based On Condensed Furo[2,3-B]Pyridines**

A. Hovakimyan, S. Sirakanyan, A. Noravyan,
Armenia

14.10-14.30 **Predicting Superconducting Temperature Of Elements From Their Neutron Mass**

V. Sharma
USA

14.30-14.50 **Advanced Method For Waste Water Treatment By Fenton Reagent**

D. Gogoli, P. Nikoleishvili, T. Agladze
Georgia

15.10-15.30 **INDUSTRIAL SEWAGE-THE SOURCE OF ECOLOGICAL AIDS**

E. Mgeladze, M. Mgeladze, I. Bejanidze
Georgia

15.30-16.00 **Coffee Break**

ORAL Session B – MAY 17, 2013

(Chairmen A.Hovakimyan, V.Sharma)

16.00-16.20 **Arylglyoxals And Their Derivatives As A Versatile Reagent For Synthesis Of Five-Membered N-Heterocycles**

B. Eftekhari-Sis
Iran

16.20-16.40 **Reduction Of Patulin Content In Apple Juice Using Activated Carbon**

Kh. Mamaishvili
Georgia

16.40-17.00 **Hydroalumination – Bromination Of Acetylenic γ -Glycols**

M. R. Hovhannisyan, G. M. Makaryan, F. S. Kinoyan, H. A. Gharibyan
Armenia

17.00-17.20 **New Biodegradable ABA Triblock Amphiphilic Copolymers As Micellar Nanocarriers For Sparingly Soluble Pharmaceuticals**

S. Kobauri, V. P. Torchilin, D. Tugushi, R. Katsarava
Georgia

17.20-17.40 **Synthesis Of The Novel Cationic Charged Octahedral Co(III) Complexes**

A. S. Saghyan, A. F. Mkrtchyan, V. I. Maleev, Yu. N. Belokon, V. A. Larianov, K. V. Hakobyan, V. N. Khrustalev
Armenia

17.40-18.00 **Research To Optimize Mobile And Stationary Phases For Separation Enantiomers Using Polysaccharide-Based Chiral Selectors**

K. Lomsadze, G. Jibuti, T. Farkas, B. Chankvetadze
Georgia

SESSION C – MAY 18, 2013

(Chairmen D. Gogoli, N. Zavrashvili)

9.30-9.50 **Analysis Of A Chemical Compound Of Fruits And Cornel Stones (A Cornel Ordinary Or Man's-(Cornus Mas L.) Family Dogwood) Extended In Form Of Natural Thickets In East Georgia**

R.Akhalbedashvili, N. Gelovani
Georgia

9.50-10.10 **Risk Of Chakvistskali And Khoroglistskali Rivers By Pesticides**

J. Varshalomidze, K. Mumladze, N. Mumladze, M. Kavtaradze
Georgia

10.10-10.30 **Perspectives Of Using Cap Rocks Of Barite-Polymetallic Deposit Of David- Garej In Glass And Cement Production**

M. Tkemaladze, M. Ukleba, E. Shapakidze
Georgia

10.30-10.50 **The Prospective Additive For Cement Production**

V. Chkheidze, T. Betkhashvili, G. Rekhviashvili
Georgia

10.50-11.10 **Highly efficient synthesis of 5-membered heterocyclic compounds**

A.F.Tuyun
Turkey

11.10-11.30 **Synthesis Of New Derivatives Of Three Nitrogen Atom Containing Tricyclic System**

Sh. Oboladze, N. Karchava, A. Kalatsozhvili, N.Megrelishvili, I. Chikvaide, Sh. Samsonia
Georgia

11.30-12.30 **Coffee Break**

12.30-14.30 **Poster Session**

14.30-15.30 **Closing Ceremony**

15.30-17.30 **Lunch**

17.30-20.00 **City Tour**