

22. **A.Ghibradze***, **K.Kobakhidze**, **S.Bitadze**. Liquid Chromatographic Determination of Lisinopril in Human Plasma
23. **L.Mosiashvili***, **B. Chankvetadze**. Separation of Enantiomers of Selected Chiral Beta-Blocker Drugs by Using Novel Polysaccharide-Based Chiral Stationary Phases in High-Performance Liquid Chromatography
24. **N.Gabelaia***. The Role of Polymers in Technics and Life
25. **T.Kirvalidze***, **M.Miqeladze**, **T.Mchedlishvili**. Synthesis of Some New Thiazole Cycle Containing Potential Biologically Active Compounds
26. **S.Gokadze***, **M.Merlani**, **V.Barbakadze**, **L.Amiranashvili**, **L.Gogilashvili**. Synthesis of Ferulic and Isoferulic Acid Derivatives
27. **T.Gagnidze***, **R.Kldiashvili**. Chemical Aspects of Restoration and Preservation of Historical Documents
28. **T.Shonia***, **M.B.Trapaidze**, **Sh.A.Samsoniya**. Synthesis of 2,9-Di(Nitrosomethylidene) Indolo[4,5-e]Indole
29. **N.Jalagonia***, **E.Markarashvili**, **T.Tatrishvili**. Hydrosilylation Reactions of Oligomethylhydrosiloxane to Allyl Cyanide
30. **R.Davitadze***, **A.Kalandia**, **M.Vanidze**. Stevia - Sugar in the Future
31. **I.Gogolashvili**, **M.Soselia***, **D.Zurabishvili**, **Sh.Samsoniya**. The Synthesis of Derivatives of Adamantane Containing Amino Acids
31. **I.Qartsivadze***, **N.Surmanidze**, **D.Chikovani**. The Annothocyanins of Bearwood
32. **Kh.Gogaladze***, **B.Chankvetadze**. Separation of Enantiomers of Selected Chiral Beta-Blocker Drugs by Using Novel Polysaccharide-Based Chiral Stationary Phases in High-Performance Liquid Chromatography
34. **Kh.Gogaladze***, **B.Chankvetadze**. Separation of Enantiomers of Chiral Drug Dimethindene Maleate in Capillary Electrophoresis Using Native Cyclodextrines as Chiral Selectors
35. **Z.E. Geliashvili**, **Kh.D. Tophuria**, **N.Z. Obolashvili**. 24-Member Macrocyclic Polyazomethines Application as Fluorescent Markers
36. **T. J.Bukia**, **M. O. Lomidze**, **G. Buzaladze**, **D. S. Zurabishvili**, **E.N. Elizbarashvili**, **Sh. A. Samsoniya**. The NMR research some of 2-(1-adamantyl)benzimidazoles
37. **N. Davitadze**, **I. Bejanidze**. Recycling of dairy whey by membrane technology
38. **M. Gvaramia***, **R. Chaladze**, **N. Javakhishvili**, **M. Rukhadze**. Water in Oil Microemulsion Liquid Chromatography: Comparison of mobile phases on the basis of Brij-30 and AOT
39. **N.Z. Obolashvili**, **A.M. Avakyan**, **M. F. Kharadze**, **I.V. Lagvilava**. The Novel bis-Pyridone Containing Fluorescent Probes with Active Thiocyanate Groups

ORGANIZATORS



SCHEDULE OF THE CONFERENCE

April 21, 2012

9.00–11.00 Registration
 11.00–11.30 Opening Ceremony
 11.30–12.30 Planar Session
 12.30–13.30 Lunch
 13.30–15.10 Oral Session A
 15.10–16.00 Coffee Break
 16.00–17.40 Oral Session B

April 22, 2012

9.30–11.10 Oral Session C
 11.10–12.00 Coffee Break
 12.00–13.00 Poster Session
 13.00–13.30 Closing Ceremony
 13.30–14.30 Lunch
 14.30–18.00 City Tour

April 23, 2012

9.00– 20.00 Excursion
 20.00 – Departure

ORGANIZATION COMMITTEE

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 “ქიმიის დღეს”



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 CONFERENCE OF YOUNG
 SCIENTISTS

“CHEMISTRY TODAY”

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21-23 April, 2012

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SESSION A – April 21, 20112

13.30-13.50. Evaluation of Dibenzothiophene Metabolism by *Corynebacterium Variabilis* Sh42 as a Degradator for Poly Aromatic Sulfur Heterocyclic Compounds

Sherif A. Younis*, **Nour Sh. El-Gendy**; **Yasser M. Moustafa**, *Egypt*

13.50-14.10. Study of Different Bioremediation Processes for Water Contaminated with Petroleum Hydrocarbons in Batch Flasks System

Sherif A. Younis*, **Nour Sh. El-Gendy**, **Yasser M. Moustafa**, *Egypt*

14.10-14.30. Synthesis of New Amino Derivatives and Heterocyclic Systems on the Basis of Condensed Furo[3,2-D] Pyrimidines

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

14.30-14.50. Study of Deuterium Exchange of Protons in Azine Systems

A.K. Tumanyan*, **A.G. Danagulyan**, **A.P. Boyakhchyan**, **G.G. Danagulyan**, *Armenia*

14.50-15.10. Reduction of Nitrile Group in Pyrrolidinecarbonitriles

G. K. Harutyunyan*, **M. V. Alexanyan**, **S. P. Gasparyan**, *Armenia*

SESSION B- April 21, 20112

16.00-16.20. Azodye-Containing Polarization-Sensitive Materials

I.Chaganava*, **G. Kakauridze**, **B. Kilosanidze**, *Georgia*

16.20-16.40. Separation of Enantiomers of Chiral Dihydropyridine Derivatives Using Polysaccharide-Based Chiral Columns in HPLC with the emphasis on the enantiomer elution order **G.Jibuti***, **A. Mskhiladze**, **N. Takaishvili**, **M. Karchkhadze**, **L. Chankvetadze**, **T. Farkas**, **B. Chankvetadze**, *Georgia*

16.40-17.00. Synthesis some of dipeptides on the base of isocyanides via ugi reaction

U. Kazmaier*, **T. J. Bukia**, **D. S. Zurabishvili**, **Sh. A. Samsoniya**, *Georgia*

17.00-17.20. Condensed Pentacyclic Systems Containing Imidazole and Triazole on the Basis of Dibenzothiophene

E. Kalandia*, **N. Gakhokidze**, *Georgia*

17.20-17.40. Effective way to obtain food fiber by Membrane methods technology

N.Davitadze*, **I. Bejanidze**, *Georgia*

SESSION C- April 22, 20112

9.30-9.50. The Mathematical Description for the “Polythiophene Paradox” for Insoluble Polymers in the Presence of Surfactants

V.V.Tkach*, **V.V. Nechyporuk**, **P.I. Yagodynets***, **O.T.Slipenyuk**, *Ukraina*

9.50-10.10. Electrochemical polymerization of heterocyclic compounds and two methods to describe it he presence of surfactants

V.V.Tkach*, **V.V. Nechyporuk**, **P.I. Yagodynets***, **Yu. V. Meslyuk**, **B.P.Chayka**, **Al. M.da Rocha**, *Ukraina ,Brazil*

10.10-10.30. Blackberry (*Rubus Caucasicus* Focke) Phenol Compounds.**M. Diasamidze***, **M. Vanidze**, **A. Kalandia**, *Georgia*

10.30-10.50. The Anthocyanins of Grapes

E. Tsetskhladze*, **I. Jafaridze**, **E.Qamadadze**, *Georgia*

10.50-11.10. The Biologically Active Compounds of Honey

M.Kharadze*, **I. Djafaridze**, **E.Qamadadze**, *Georgia*

POSTER SESSION - April 22, 20112, 12.00-13.00

1.Sh.Sh.Dashyan*, **E.G.Paronikyan**, **A.S.Noravyan**. Synthesis of Condensed Amino Derivatives of Tieno[3,2-D] Pirimidines

2.M.Amirabedi, **Ali Akbari***, **Bagher Eftekhari-Sis**. A Simplified Green Chemistry Approach to the Synthesis of Carbon-Carbon Double Bonds Via Knoevenagel Condensation Catalyzed with $ZrOCl_2 \cdot 8H_2O$

3.Javid Monjezi*, **Abbas Shirmardi-Dezaki**. One-Pot Multicomponent Synthesis of Dihydropyrimidinone Derivatives Using Silica Nanoparticles as Reusable Catalyst

4. A.M.Knyazyan*, **K.A.Eliazyan**, **V.A.Pivazyan**, **E.A.Ghazaryan**, **A.P.Yengoyan**. Synthesis and Growth Stimulant Activity of 4-Amino-5-(3-Alkyl-4-Methyl-2-Thioxo-3h-Thiazol-5-Yl)-3h-[1,2,4]Triazole-3-Thiones Derivatives

5. V.G.Kirakosyan*, **G.G.Minasyan**, **V.S.Akopyan**, **M.H.Injikian**. Phosphorylation of Several Ch-Acids by Dialkylphosphites in the Presence of Carbon Tetrachloride and Bases

6.H.M.Simonyan*, **A.S.Saghyan**, **L.L.Manasyan**, **S.G.Petrosyan**, **A.V.Geolchanyan**. Asymmetric Synthesis of New Heterocyclic Substituted (S)- α -Amino Acids

7. G.A.Bagdasaryan. The Behavior of 4-(2-Chloroethyl) Morpholine in the Alcoholic Solutions of Alkalis

8. B.Eftekhari-Sis*, **M.Saraei**, **M.Bonyad-Bagheri**. $ZrOCl_2 \cdot 8H_2O$ -Catalyzed Stereoselective Synthesis of Bis- β -Amino Ketones via Mannich-Type Reaction of 1,4-Benzendicarbaldehyde

9. B.Eftekhari-Sis*, **S.Vahdati**. Efficient Synthesis of Pyrroles and Pyridazines in Water Under Ultrasound Irradiation

10. A.Khitarishvili*, **M. Bezhuashvili**, **M. Gagolishvili**. Influence of Micro-oxygenation in Red Wines Made from Saperavi Grape Variety

11. D.D.Đurović, **B.P.Mugoša***. Mercury Content In Saliva

12. A.A.Sahakyan, **S.O.Buloyan**. Obtaining and Study of Biological Activities of Chitosan Layers with 1-Vinylpirazol-4-Carboxylic Acids

13. M.T.Kvaraia*, **J.A.Kereselidze**, **Z.B.Phachulia**. Quantum-Chemical Modeling of the Cyclic-Pentameric Mechanism for the 1H-3H Tautomeric Transformation of Imidazole

14. T.B.Kuchukhidze*, **M.T.Kvaraia**, **J.A.Kereselidze**, **Z.B.Phachulia**. Quantum-Chemical Study of Substitutes Effect on the Tautomeric Transformation of Derivatives of Acetophenone

15. Giovanni Roviello*, **Domenica Musumeci**, **Enrico Bucci**, **Carlo Pedone**, **Antonella Di Napoli**, **M.Pirtskhalava**, **M.Mirtskhulava**. Nucleoamino Acid-Based Compounds from Chemical Synthesis to Biomedical Applications

16.Sh. Oboladze, **Sh. Samsoniya**, **I. Chikvaidze**, **A. Kalatoshvili**. Synthesis of new hydrazones for future obtaining 3- and 8-derivatives of 4-oxo-3h,5h-pyridazino[4,5-b]indole

17. A.V.Karapetyan*, **T.A.Gomktsyan**, **A.P.Yengoyan**. Pyrazolylypyridazines

18. R.S.Hakobyan*, **K.A. Eliazyan**, **V.A. Pivazyan**, **E.A.Ghazaryan**, **A.P. Yengoyan**. Synthesis of Potentially Biological Active Derivatives of 2-N-Methyl-Arylsulfamido-4-Methyl-Thiazol-5-Yl Carboxylic Acids Ethyl Esters

19. L.Chankvetadze, **N.Ghibradze***, **M.Karchkhadze**, **L.Peng**, **T.Farkas**, **B.Chankvetadze**. Enantiomer Elution Order Reversal of Fluorenylmethoxycarbonyl-Isoleucine in High-Performance Liquid Chromatography by Changing the Mobile Phase Temperature and Composition

20. A.Dadianidze*, **B.Chankvetadze**. Determination of Selected Opiate Drugs and their Metabolites in Biological Samples Using Gas Chromatography-Mass Spectrometry-Mass Spectrometric Method for Quantitative

21. G. Z. Pantsulaia, **I. N. Gogolashvili**, **D. S. Zurabishvili**, **M. V. Trapaidze**, **Sh. A. Samsoniya**. Synthesis Some of Adamantane-Containing Amides