

International Scientific Conference
Future Technologies and Quality of Life

29 September - 1 October 2017

Conference Hall of Hotel „Radisson Blu“, Batumi, Georgia

The conference is held within the framework of subprogram -
“Higher Education Support” at Education, Culture and Sports
Ministry of Adjara Autonomic Republic

CONFERENCE ORGANIZERS

- Tbilisi State Medical University
 - Batumi Shota Rustaveli State University
 - LTD “BAU International University Batumi”
 - Georgian Pharmacists Association
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| ORGANIZING COMMITTEE | |
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| Vadachkoria Zurab | Dindar Ismet |
| Orjonikidze Zurab | Akhvlediani Leila |
| Khalvashi Merab | Chikovani Tinatin |
| Beriashvili Rima | Berashvili Dali |
| Kvachadze Irine | Gorgaslidze Nana |
| Todadze Khatuna | Bakuridze Aliosha |
| Kokhreidze Irakli | Maskhulia Lela |
| Ananidze Jemal | Mchedlishvili Irakli |
| Tsiklashvili Natia | |

SCIENTIFIC COMMITTEE

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| Alania Meri (Georgia) | Kuchukhidze Jumber (Georgia) | Phanculaia Ia (Georgia) |
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| Arziani Badri (Georgia) | Lagazidze Dimitri (Georgia) | Srcic Stane (Slovenia) |
| Barbaqadze Vakhtang (Georgia) | Makaradze Nana (Georgia) | Tchumburidze Tamaz (Georgia) |
| Chikviladze Tamar (Georgia) | Makharadze Roman (Georgia) | Topchiyeva Shafiga (Azerbaijan) |
| Chincharadze Davit (Georgia) | Makharadze Vladimer (Georgia) | Tsachev Ilia (Bulgaria) |
| Getia Malkhaz (Georgia) | Matkowski Adam (Poland) | Tsetskhladze David (Georgia) |
| Giorgobiani Marina (Georgia) | Memarne Guram (Georgia) | Tsiklauri Lia (Georgia) |
| Gongadze Nicoloz (Georgia) | Metreveli Mariam (Georgia) | Tsintsadze Tamar (Georgia) |
| Gotsiridze Raul (Georgia) | Mikaia Lali (Georgia) | Tushurashvili Paata (Georgia) |
| Jokhadze Malkhaz (Georgia) | Miqeladze Madona (Georgia) | Vachnadze Valentina (Georgia) |
| Kakabadze Zurab (Georgia) | Mshvildadze Vakhtang (Georgia) | Vepkhvadze Nino (Georgia) |
| Kemoklidze Zurab (Georgia) | Mulkijanyan Karen (Georgia) | Zurashvili Bidzina (Georgia) |

CONFERENCE SECRETARIATE

| | | |
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| Bakhtadze Nana | Ebralidze Lamzira | Masiukovichi Tamari |
| Bakuridze Lasha | Gokadze Sopio | Muzashvili Tamar |
| Bozhadze Ana | Imnadze Nino | Mskhiladze Lasha |
| Dughashvili Nana | Koiava Tea | Sivsivadze Koba |
| | | Tsertsvadze Aleksandre |

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| 09:00-10:00 | Registration |
| 10:00 | Exhibition |
| 10:00-10:30 | Opening ceremony |
| 10:30 - 12:00 | <p>Plenary session I “Future Technologies and Quality of Life” <i>Chairs: Prof. Tinatin Chikovani, Prof. Athina Geronikaki</i></p> <p>10.30 – 10.50 - Aliosha Bakuridze Study of mineral resources of Adjara (peloids, clays, waters) with the purpose of their application in medical (balneological) and pharmaceutical practice</p> <p>10.50-11.10 - Geronikaki Athina SYNTHESIS AND BIOLOGICAL EVALUATION OF NOVEL SUBSTITUTED 2-[(5-ADAMANTANE-1-YL) 1,3,4-THIADIAZOL-2-YL) IMINO]-5 THIAZOLIDINONES</p> <p>11.10-11.30 – Antelava Neli Action of L-Carnitin, Corvitin and their combination on blood biochemical markers and histomorphology of liver in experimental model of Reye syndrome</p> <p>11.30-11.50 – Lali Dateshidze About high potent efficacy of FLEBIL in pharmacotherapy of hemorrhoidal disease associated with Irritable Bowel Syndrome</p> |
| 12:05-12:30 | Coffee Break |
| 12:30-14:00 | <p>Plenary session II “Future Technologies and Quality of Life” <i>Chairs: Prof. Elene Abzianidze, Prof. Atilla BOZKURT</i></p> <p>12.30 – 12.50 – Tinatin Chikovani Stimulation of Immune System by Thermal Ablation of Liver Cancer.</p> <p>12.50-13.10 - Pinnapireddy, Shashank Reddy Photodynamic therapy using natural products: A safe and efficient technique for tumor targeting</p> <p>13.10-13.30 - James Lee Interventional Pain Management to Improve Quality of Life</p> <p>13.30-13.50 - Tornike Guruli Pharmaceutical Company PSP</p> |
| 14:00-15:00 | Lunch |

15:00-17:15

Plenary session III

“Future Technologies and Quality of Life”

Chairs: Prof. Lela Maskhulia, Prof. Vera Isaeva

15.00-15.20 - Elene Abzianidze

Epigenetic agents as potentially therapeutic drugs for management of chronic inflammatory pain

15.20-15.40 – Vera Isaeva

Preparation and Employment of the Functional Hybrid Nanomaterials on the Metal-Organic Framework (MOF) Basis

15.40-16.00- *Paata Tushurashvili,*

Possibility of Tandem Mass Spectrometric Analysis for Amino Acid Disorders in Dried Blood Spots and Urine Samples in Georgia. Pilot Study

16.00-16.20 – Zurab Kakabadze

Tissue Engineering and Organ Fabrication in Georgia

16.20-16.40 - Manon ROCHE

Rational design of novel highly potent small molecule inhibitors of Rhinovirus replication

16.40-17.00 - Nino Imnadze

Importance of Pharmaceutical Regulations to Assure the Quality of Healthcare System and Life.

17:00

Free Time

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| 10:00-12:00 | <p>Plenary session IV “Future Technologies and Quality of Life” <i>Chairs: Prof. Paata Tushurashvili, Prof. Eric Allémann</i></p> <p>10.00-10.20 – Meri Alania Georgian Flora - a rich source of medicinal substances</p> <p>10.20-10.40 - Nino Pirtskhelani Genetic Polymorphism and Drug metabolism</p> <p>10.40-11.00 – Atilla BOZKURT Relationship between genetic polymorphisms of drug efflux transporter MDR1 (ABCB1) and response to losartan in hypertension patients</p> <p>11.00-11.20 – Lela Maskhulia Cardiovascular screening of adolescent athletes: challenges and outcomes</p> <p>11.20-11.40 - Eric Allémann Osteoarthritis, new ways of treatment with nanoconstructs</p> <p>11.40-12.00 – Nino Rcheulishvili New technologies in pharmaceutical industry supply chain</p> |
| 12:00-12:30 | Coffee Break |
| 12:30-14:00 | <p>Session I “Future Technologies and Materials in Medicine” <i>Chairs: Prof. Zurab Kakabadze, Prof. Eka Kvaratskhelia</i></p> <p>12.30 – 12.45 - David Tsetskhladze Part of virtual CT colonoscopy in colon disease diagnostic</p> <p>12.45-13.00 - Tinatin Tkemaladze Fragile X Syndrome: Diagnostic Yield and Utility</p> <p>13.00-13.15 - David Chakhunashvili Creating Bioactive Bone Composite for the Reconstruction of Large Size Mandible Bone Defect</p> <p>13.15 -13.30 – Nona Janikashvili Innovative cell therapy for immuno-mediated disorders</p> <p>13.30-13.45 - Nino Tebidze Impact of oncological disease and treatment methods on oral cavity</p> <p>13.45-14.00 – Eka Kvaratskhelia Immunomodulatory properties of DNMT inhibitor 5AzaC in chronic inflammatory diseases</p> |
| 14:00-15:00 | Lunch |

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| 15:00-17:00 | Session II “Future Technologies and Materials in Medicine” <u>Chairs: Prof. Marina Koridze, Prof. Leila Akhvlediani</u> 15.00-15.15- Konstantine Chutkerashvili Novel Biological Graft for Dura Repair in an Ovine Model: A Pilot Study 15.15-15.30 - Manana Rukhadze Management of Physical Rehabilitation in Patients with Osteochondrosis of Lumbar Spine 15.30 – 15.45 - Marina Nagervadze Blood typing in donors with classical and modern methodology and its application 15.45-16.00 - Lia Karalashvili Oral Full Thickness Non-healing Wound Reconstruction with Biologically Active Dressing 16.00-16.15 – Tea Koiava Identification and the study of antibiotic resistance genes profile of Nosocomial infectious agents in Ajara Region 16.15-16.30 - Sopio Garakanidze The association between MTHFR C677T Polymorphism and Arterial Thrombosis 16.30-16.45 - Sophiko Shagidze Advanced Technologies in Diagnosis of Sleep Disorders: ACTIGRAPHY |
| 17:00-18:00 | Poster presentation |
| 19:00 | Dinner |

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| 12:30-14:00 | <p>Session I “Future Technologies and Drugs” The session dedicated to the 130th anniversary of academician Iovel Kutateladze <i>Chairs: Prof. Dali Berashvili, Prof. Vakhtang Barbakadze</i></p> <p>12.30 – 12.45 - Vakhtang Barbakadze Methylated Poly [3-(3,4-Dihydroxyphenyl)Glyceric Acid] from <i>Anchusa italica</i> Retz. and <i>Symphytum grandiflorum</i> DC (Boraginaceae)</p> <p>12.45 – 13.00 - Marina Giorgobiani Results of combined use of antioxidants of mineral and floral origin during dyslipidemia</p> <p>13.00-13.15 - Lia Tsiklauri Absorption and transportation characteristic of periwinkle alkaloids and oral delivery by tetraether nanolipid vesicles</p> <p>13.15 -13.30 - Malkhaz Jokhadze Phytochemical study and Biological activities of selected Ajara and Ajara-Lazica Endemics plants</p> <p>13.30-13.45 - Shalva Grdzelishvili Problems of Pharmaceutical work laws in Georgia</p> <p>13.45-14.00 – Nana Bakhtadze Design and technology of carbamazepine nanosystem for intranasal delivery</p> |
| 14:00-15:00 | Lunch |
| 15:00-17:00 | <p>Session II “Future Technologies and Drugs” <i>Chairs: Prof. Nana Gorgaslidze, Prof. Malkhaz Jokhadze</i></p> <p>15.00-15.15 - Mariam Metreveli The Study Results of Local and Introduced Plant Species of High Antimicrobial Actions Growing in Ajara Black Sea Littoral</p> <p>15.15-15.30 - Merab Lekveishvili Rusting stress-connected curing preparation</p> <p>15.30-15.45 – Lili Arabuli Solid-Phase Synthesis of Bifunctional Macrocyclic Polyamines Targeting Neurodegenerative Diseases</p> <p>15.45 -16.00 - Nana Zarnadze Morphogenesis of <i>Aerva Lanata</i> in <i>In Vitro</i> culture</p> <p>16.00-16.15 – Galina Meparishvili Healthy Plant - Healthy People</p> <p>16.15-16.30 - Rosa Bidzinashvili Medicinal plants of Georgia as base for future technologies, their protection and rational use</p> |
| 17:00-18:00 | Poster presentation |
| 19:00 | Dinner |

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| 12:30-14:00 | <p>Session I</p> <p>“Environment and Health”</p> <p><i>Chairs: Prof. Aleksandre Tsibadze, Prof. Irine Zarnadze</i></p> <p>12.30-12.45 - Irine Zarnadze Development of Regional Health Care System in Georgia</p> <p>12.45- 13.00 - Nanuli Ninashvili Global Climate Change – New Challenges to Education</p> <p>13.00 -13.15 - Lela Tavdgiridze Healthy environment is a guarantee of life enhancement</p> <p>13.15-13.30 - Rusudan Javakhadze The problem of asbestos in Georgia: the reality and the necessary actions</p> <p>13.30-13.45 - Valeri Akhalkatsi Real-time monitoring of muscle tissue oxygenation in athletes by means of near-infrared spectroscopy</p> <p>13.45-14.00 – Revaz Kverenchkhiladze Problems of Pollution of Atmospheric Air in Georgia</p> |
| 14.00-15.00 | <p>Lunch</p> |
| 15:00-17:00 | <p>Session II</p> <p>“Environment and Health”</p> <p><i>Chairs: Prof. Irakli Mchedlishvili, Prof. Levan Baramidze</i></p> <p>15.00-15.15 - Aleksandre Tsibadze Influence of visible spectrum of household LED on the heart rate autonomic regulatory mechanisms</p> <p>15.15-15.30 - Shalva Zarnadze, Global Climate Change and Sport’s Nutrition</p> <p>15.30-15.45 – Gulnara Tabidze Smoking as a risk factor in patients with cardiovascular diseases and the development of preventive and curative standards</p> <p>15.45-16.00 - Levan Baramidze Engagement of the Public Health in Provision of the Future Technologies and High Standards of Life</p> <p>16.00-16.15 – Jilda Cheishvili The measurement of efficiency and productivity of health care delivery in Georgia</p> |
| 17:00-18:00 | <p>Poster presentation</p> |
| 19:00 | <p>Dinner</p> |

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| 12:30 – 14.00 | <p>Session I Future Technologies and Education: “Quality of Education-Quality of Life” <i>Chairs: Prof. Nana Makaradze Prof. Nato Kobuladze,</i></p> <p>12.30-12.45 - Nino Modebadze Secure the use of computer technologies in the learning process 12.45-13.00 - Leila Akhvlediani Management of Integrated Medical Curriculum 13.00-13.15 - Nana Makaradze Health and Safety standards for Preschool Children and Preschool Teachers’ Competences 13.15 - 13.30 – Tamaz Tchumburidze National Drug policy and pharmaceutical education in Georgia 13.30 - 13.45 -Nato Kobuladze A Learning Environment as a Motivator of Education 13.45 - 14.00 - Marine Gurgenzidze School and Learning-upbringing Issues of Health Oriented Students</p> |
| 14.00-15.00 | Lunch |
| 15:00-17:00 | <p>Session II Future Technologies and Education: “Quality of Education-Quality of Life” <i>Chairs: Prof. Tamaz Tchumburidze, Prof. Nato Alavidze</i></p> <p>15.00-15.15 - Maia Akhvlediani Education as the Principal Means for Socialization of the Personality 15.15-15.30 - Nato Alavidze Challangies in Medical Education and Modern 15.30-15.45 – Lela Edzgveradze Health education in school 15.45-16.00 – Lasha Bobokhidze First aid tools and procedures in higher educational institutions 16.00-16.15 – Nato Sherozia Violence and Safety in Georgian schools 16.15-16.30 - Natia Makaradze The problem of personal space in educational institutions 16.30-16.45 - Dali Phutkaradze Inclusive Education in Preschool Institutions</p> |
| 17:00-18:00 | Poster presentation |
| 19:00 | Dinner |

PROGRAMME

October 1, 2017

Oral Presentations

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|--------------------|---|
| 9:00-10:30 | Master Classes, Seminars |
| 10:30-11:00 | Coffee Break |
| 11:00-12:00 | Tele-Conference – Prof. Manana Kvezereli, Principles of Molecular Diagnostics for Personalized Cancer Care |
| 12:30-13:30 | Closing Ceremony |
| 14:00 | Departure |

1. Abashidze N. , Chaidze F., Kalandia A.

Bioecological Peculiarities and content of essential oils of some plants Introduced at Batumi Botanical Garden

Batumi Botanical Garden

Batumi Shota Rustaveli State University, Batumi, Georgia

2. Arziani B¹., Barbakadze Kh^{1, 2, 3}, Brostow W³.

Antimicrobial Covers Based on Organometallic Complex Compounds and Industrial Organic Polymers Modified By Silicon-organic Functional Oligomers

¹Tbilisi State Medical University, Faculty of Pharmacy, Department of Medical Chemistry, Tbilisi, Georgia

²Department of Chemistry, Institute of Inorganic-Organic Hybrid Compounds and Non-traditional Materials, Faculty of Exact and Natural Sciences, Ivane Javahishvili Tbilisi State University, Tbilisi, Georgia;

³Laboratory of Advanced Polymers & Optimized Materials (LAPOM), Department of Materials Science and Engineering and Department of Physics, University of North Texas, USA.

3. Azizova G.I. ¹, Yıldız L.Z. ², Topchiyeva Sh.A³.

Influence of the Thiol Status of the Organism on the Secretion of Antimicrobial Peptides in the Hereditary Blood Diseases

¹Azerbaijan Medical University, Department of Biochemistry, Baku, Azerbaijan

²Recep Tayyip Erdoğan University (RTEU), Medical Faculty, Department of Medical Physiology, Turkey

³Institute of Zoology of the National Academy of Sciences of Azerbaijan, Baku, Azerbaijan

4. Benidze M., Skhirtladze A., Nebieridze V., Kemertelidze E.

Chemical composition of the flowers *Yucca gloriosa* L. cultivated in Georgia

TSMU Iovel Kutateladze Pharmacochimistry Intsitute, Tbilisi, Georgia

5. Beridze M.

Sea buckthorn (*Hippophae rhamnoides*) - biochemical peculiarities and phytochemical content in the conditions of Chorokhi delta

Batumi Shota Rustaveli State University, Batumi, Georgia

6. Beridze D.

Growth and Development Peculiarities of Ajara and Ajara-Lazeti Endemic Flora containing Biologically Active Substances

Batumi Shota Rustaveli State University, , Batumi, Georgia

Institute of Phytopathology and Biodiversity

7. Mshvildadze V., Metreveli M., Jokhadze M., Mskhiladze L., Bakuridze K.

Cytotoxicity Screening of Endemic Plants from Ajara

Tbilisi State Medical University, Tbilisi, Georgia

8. Bochorishvili A.

Public Health Achievements of the 21st Century

Tbilisi State Medical University, Public Health, Tbilisi, Georgia

9. Bozhadze A¹., Berashvili D¹., Vachnadze V².

Qualitative analysis of liposomal solution of Chelidonium majus L. total alkaloids by GC/MS

¹ Tbilisi State Medical University, Tbilisi, Georgia

² Tbilisi State Medical University, Iovel Kutateladze Institute of Pharmacochimistry, Tbilisi, Georgia

10. Bolotashvili I., Bakuridze L.A., Tchintcharadze D.G, Lagazidze D.

Prescription and Technology of Valeological Tablets Made of Flaxseed Mucus

Tbilisi State Medical University, Department of Pharmaceutical Technology, Tbilisi, Georgia

11. Chaidze F.

Ex-Situ Conservation Of Medicinal Species Of Magnolia Genus Introduced To The Batumi Botanical Garden

Batumi Botanical Garden, Batumi, Georgia

12. Chelidze T.R.*, Enukidze L.G.*, Gorgaslidze N.S.**; Kikalishvili B.I.**

Quantitative analysis of some heavy metals in flaxseeds and its oil growing in Georgia

*R. Agladze Institute of Inorganic Chemistry and Electrochemistry, I. Javakhishvili Tbilisi State University, Tbilisi, Georgia

** I. Kutateladze Institute of Pharmakochemistry, Tbilisi State Medical University, Tbilisi, Georgia

13.. Ebralidze L. Z.

Biopolymer-based nanoparticles as carrier of vincristine for targeted drug delivery

Department of Pharmaceutical Technology, Faculty of Pharmacy, Tbilisi State Medical University.

GM Pharmaceuticals, Tbilisi, Georgia.

Fatih University / BINATAM (Bio-Nano-Technology R&D Center), Turkey, Istanbul

14. Gaprindashvili A.

Clays from Adjara Region, their physical features and chemical composition.

Tbilisi State Medical University, Tbilisi, Georgia.

15. Getia M., Mchedlidze K., Churadze M., Lomidze E., Aneli J.

Anatomical and morphological characteristics of the bark of the Georgian local endemic species *Betula megrelica* L.

TSMU Iovel Kutateladze Institute of Pharmacochimistry, Tbilisi, Georgia

16. Gogitidze N., Mushkiashvili N., Moistsrafishvili M., Mulkijanyan K.

Comparative hepatoprotective activity of some essential oils

Tbilisi State Medical University I.Kutateladze Institute of Pharmacochimistry, Tbilisi, Georgia

17. Gokadze S., Barbakadze V., Mulkijanyan K.

Wound healing gels on the basis of plant biopolymer

Tbilisi State Medical University, Tbilisi, Georgia

18. Golijashvili R., Golijashvili A., Murtazashvili M., Gholadze S., Papukashvili I.

Bacteriophage technology as the viable and effective alternative to antibiotics and its significance in combating antibiotic resistant bacteria

JSC Biochimpharm, Tbilisi, Georgia

19. Gorgaslidze N., Nizharadze N., Nadirashvili L., Erkomaishvili G.

Selection of bases for enzyme containing gels

Tbilisi State Medical University's I. Kutateladze Institute of Pharmacochimistry Tbilisi, Georgia

20. Gorgiladze T.¹, B.G. Partskhaladze¹, I. Nozadze,²

Pain Modulation by Interaction of Opioids and Several Neurotransmitters in the pain matrix structures

¹Tbilisi State Medical University, ¹Dept of Molecular and Medical Genetics, Tbilisi, Georgia

² Ivane Beritashvili Centre of Exp. Biomedicine, Dept of Neurophysiology, Tbilisi, Georgia

21. Gurgeniidze I.A., Japaridze Sh. S., Chelidze T. R., Tatishvili G.

Adsorption of benzene carboxylic acids at the mercury from aqueous and ethanol solutions.

R. Agladze Institute of Inorganic Chemistry and Electrochemistry. I. Javakhishvili Tbilisi State University, Tbilisi, Georgia

22. Gvinjilia S.A., Tsintsadze T.G., Iavich P.A., Mishelashvili Kh.T., Shashiashvili N.V.

To the problem of the creation of cosmetic and cosmetological preparations for the prevention and treatment of skin diseases.

Georgian Technical University; Department of Pharmacy, Tbilisi, Georgia

23. Iashvili T., Tavartkiladze T., Mikaia L., Gagua N., Bakuridze L.

Technology and prescription of skin anti-aging emulgel

Tbilisi State Medical University, Tbilisi, Georgia

24. Iavich P.A., Gabelaia M.A., Kakhetelidze M.B., Churadze L.I.

Rheological Study of Some Therapeutic Ointments Developed in the Institute of Pharmakochemistry of the Tbilisi State Medical University

Tbilisi State Medical University, Kutateladze Institute of Pharmakochemistry

25. Imnadze N.*¹

Liquid Chromatography-Tandem Mass Spectrometric Assay for Duloxetine in Human Plasma

¹Tbilisi State Medical University, Department of Pharmaceutical and Toxicological Chemistry, Tbilisi, Georgia

²Levan Samkharauli National Forensic Bureau, Tbilisi, Georgia

26. Jakeli E., Kalandia A., Baramidze T., Kartsivadze I.

Study of biologically active substances of the Washington Navel fruit, widespread in the region of Ajara

Batumi Shota Rustaveli State University, Batumi, Georgia

27. Kandelaki.M; Metreveli.M

Bioecology of medicinal species of Rhododendron.L growing in Batumi Botanical Garden

Batumi Botanical Garden, Batumi, Georgia

28. Kankava K.¹, Kvaratskhelia E.¹, Kvaratskhelia T.¹, Burkadze G.², Abzianidze E.¹

Epigenetic changes in retrotransposons and breast cancer – revealing possible associations

Department of Molecular and Medical Genetics, Tbilisi State Medical University, Tbilisi, Georgia

29. Kartsivadze M.

Skin Diseases Related to the Climate in Batumi

Medical Corporation EVEX (Polyclinic), Batumi, Georgia

30. Kikalishvili B., Gorgaslidze N., Sulakvelidze Ts., Malanya M., Turabelidze D.

Study of lipids of some plants growing in Georgia

TSMU, Iovel Kutateladze Institute of Pharmacochemistry, Tbilisi, Georgia

31. Kiknavelidze N., Kvizhinadze N., Delibashvili D.

Students and teacher's psycho-emotional factors during the study process at high institutions

Tbilisi State Medical University, Department of Social and Clinical Pharmacy, Tbilisi, Georgia

32. Kodanovi L.

Introduction of therapeutic, aromatic, exotic species in Batumi botanical garden and its results

Batumi Botanical Garden, Batumi, Georgia

33. Kunchulia L.*, Gabunia K., Lekishvili N.

New Approaches to Standardisation of Georgian Propolis

Tbilisi State Medical University, Department of Pharmaceutical and Toxicological Chemistry, Tbilisi, Georgia

34. Kurdiani N. G., Dadeqashvili M.D., Tsagareishvili N. T., Mikaia G. A., Zodelava D.G.

Development of Phagogel - topical preparation with antibacterial activity

TSMU Pharmaceutical Technology Department and Nano BIO Test Laboratory, Tbilisi, Georgia

35. Kvizhinadze N., Dugashvili N., Kiknavelidze N.

Pharmacoconomical peculiarities of Medical service in Georgia

Tbilisi State Medical University, Department of Social and Clinical Pharmacy, Tbilisi, Georgia

36. Makaradze E.

The healing properties of genus *Galanthus* L.

Batumi Shota Rustaveli State University, Faculty of Natural Science and Healthcare, Biology Department, Batumi, Georgia

37. Matchutadze I.; Tetemadze N.; Tsertsvadze A.

Role of sphagnum peat in the regulation of Kolkheti climate

Batumi Shota Rustaveli State University, Batumi, Georgia

38. Masiukovich T¹.

Study of the sulphide silt peloids of some Adjara region lakes on the content of biologically active compounds

Poster Presentations

¹Tbilisi State Medical University, Department of Pharmaceutical and Toxicological Chemistry, Tbilisi, Georgia

²Tbilisi State Medical University, Department of Pharmaceutical Technology, Tbilisi, Georgia

³LEPL Levan Samkharauli National Forensics Bureau, Tbilisi, Georgia

39. Merlani M., Amiranashvili L., Gogilashvili L., Barbakadze V.

Synthesis of dihydroxylated derivatives of ferulic and isoferulic acid

TSMU Kutateladze Institute of Pharmacochemistry, Tbilisi, Georgia

40. Mindiashvili N.; Zazashvili N.; Chichakua M.; Kunchulia L.; Chikaidze M.

Modern Aspects of Standardization of the Biologically Active Substances in the Additive Feed "Rumifos"

Bio-rational Technological Research Centre (BrTRC), Tbilisi, Georgia

41. Mishelashvili Kh.T., Tsikarishvili Kh.J., Metreveli I.Z., Batsikadze K.T., Gvinjilia S.A.

Developing the concept of creating emulsion systems for making of cosmetic milk

Georgian Technical University, Tbilisi, Georgia

42. Novikova Zh., Sulakvelidze M., Alania M., Sichinava M., Sutiashvili M.

Phenolic compounds of *Ononis Arvensis* – prospective gastroprotectors

Tbilisi State Medical University I.Kutateladze Institute of Pharmacochemistry, Tbilisi, Georgia

43. Murtazashvili M¹, Chikviladze T¹, Murtazashvili T¹.

Simultaneous identification of metabolites of synthetic cannabinoids JWH-018 and JWH-073 in urine using LC-MS/MS method

¹ Tbilisi State Medical University, Department of Pharmaceutical and Toxicological Chemistry, Tbilisi, Georgia

² Levan Samkharauli National Forensics Bureau, Tbilisi, Georgia

44. Murtazashvili T.¹, Sivsivadze K.¹, Bokuchava N.¹, Murtazashvili M.¹

Development of HPLC method for determination of Rutin in the canes of Rkatsiteli variety

Tbilisi State Medical University, Department of Pharmaceutical and Toxicological Chemistry¹, Tbilisi, Georgia

Levan Samkharauli National Forensics Bureau², Tbilisi, Georgia

45. Nadaraia N. Sh., Kakhabrishvili M. L., Barbakadze N. N.

Synthesis of 3 β -hydroxy-1'-aryl-3'-methyl-5 α -androstano[17,16-d]pyrazoles

Tbilisi State Medical University Iovel Kutateladze Institute of Pharmacochemistry, Tbilisi, Georgia

Poster Presentations

46. Neparidze M., Gelovani N., Gvelesiani I., Gigoshvili T.

Wild and cultivated hazelnut (*Corylus avellana*), almond (*Prunus dulcis*) and walnut (*Júglans régia*) crops in Georgia and about their use in ancient Georgian historical monuments

Georgian Technical University, Tbilisi, Georgia

47. Nemsitsveridze N., T.Tchumburidze, T. Zarqua, N, Dugashvili, K. Gurchava

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