



საქართველოს ეროვნული
ბოტანიკური ბაღი



**1st International Scientific Conference
Advances and Perspectives
of Biodiversity Research
and Conservation in Georgia**

20 - 22 May, 2019 - Tbilisi, Georgia

CONFERENCE AGENDA

Venue: Expo Georgia, 3rd Hall
118 Tsereteli Ave. Tbilisi

Time	May 20, 2019		May 21, 2019			May 22, 2019			May 23, 2019	May 24, 2019					
			Urban Biodiversity Day			International Biodiversity Day									
9:00 11:30	Registration		Scientific session E			Plenary session E			Post-conference tour to Kakheti (region in East Georgia)	Tour of the National Botanical Garden of Georgia					
10:00 10:30	Opening session E														
10:30 11:30	Plenary session E														
11:30 12:00	Coffee break		Coffee break			Coffee break									
12:00 13:30	Plenary session E		Scientific session E	Workshop A	Scientific session E	Scientific session A	Posters session	Post-conference tour to Kakheti (region in East Georgia)			Tour of the National Botanical Garden of Georgia				
13:30 14:30	Lunch		Lunch			Lunch									
14:30 16:00	Scientific session E	Round table A	Round table D	Workshop A	Scientific session E	Scientific session A	Posters session					Post-conference tour to Kakheti (region in East Georgia)	Tour of the National Botanical Garden of Georgia		
16:00 16:30	Coffee break		Coffee break			Coffee break									
16:30 18:00	Scientific session E	Round table A	Round table D	Workshop A	Plenary session E									Post-conference tour to Kakheti (region in East Georgia)	Tour of the National Botanical Garden of Georgia
19:30 21:30			Gala dinner			Conference closure E									



**BOTANIC
GARDENS
CONSERVATION
INTERNATIONAL**



Ilia State University
Institute of Botany

giz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH



CENN
Shaping the Future by Changing Today

SOCIAL PROGRAMME

Tuesday, 21 May, TBILISI CITY TOUR

(Only registered participants)

14:30-18:30

Tbilisi has been the capital of Georgia since the 5th century. The name “Tbilisi” is closely connected to warm sulfur waters that are considered the most interesting tourist attractions in Tbilisi to visit. architecture of Tbilisi is unique. The city is a meeting place for East and West and so here you will be able to find a lot of things you are interested in. During the scientific conference, the Tbilisi-city tour will cover the historic part of the city (Kala, Metekhi, Abanotubani).

The participants will have an opportunity to walk along the streets of Old Tbilisi and enjoy the panoramic views of the old city from Sololaki street and Metekhi Cathedral.

Tuesday, 21 May, GALA DINNER

19:30 - Mtskheta, Restaurant “GUJARI”

City of Mtskheta – the first capital of entire Georgia for 800 years (III c BC- V c AD); the military, political, economic, literary, education and religious center; after proclaiming Tbilisi the capital of Georgia, Mtskheta was turned into a religious center of the Georgian Orthodox Christian Church.

Modern Mtskheta is a quite and hospitable city, where the museum-restaurant “Gujari” is located in a special place. This is a place where you can gain deep insight into traditional Georgian gourmet cuisine, and taste Georgian cognac and wine - rich in versatile aroma.

Thursday, 23 May, POST CONFERENCE TOUR TO KAKHETI

(Only registered participants)

09:30 – 20:00

Kakheti is one of the most beautiful and ancient regions in Georgia, it is known for its abundance of cultural heritage monuments, history, beautiful landscapes, Alazani fruitful valley, people with distinguished character, wine diversity and ancient tradition of wine making. Kakheti is distinguished by its landscapes, natural conditions and sightseeing. There are located some of the nature, or national parks.

Within the framework of the scientific conference, the tour will be held in Kakheti on May 23rd. The tour will include the visit in Vashlovani State Reserve (Eagle Canyon) and town Signaghi. Moreover, you will have possibility to taste local, delicious wine and to try the popular dishes of the Kakhetian cuisine.

Friday, 24 May, TOUR IN NATIONAL BOTANICAL GARDEN OF GEORGIA

11:00-14:00

The National Botanical Garden of Georgia (former Tbilisi Botanical Garden) is a leading research, cultural-educational and nature conservation institution in the country. The National Botanical Garden of Georgia is constantly creating collections of exotic and local flora for aesthetic, and educational purposes. It carries out research in the field of plant diversity and conservation of rare, threatened and endangered plants of Georgia.

Today the area of the National Botanical Garden of Georgia is 97 hectares. Approximately 40 hectares of land are occupied by plantings, roads and buildings, 58 ha are covered with the natural vegetation. Garden supports some 3500 species, varieties and cultivars.



საპარტვილოს ეროვნული
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DETAILED PROGRAMME

DAY 1	MONDAY, 20 MAY, 2019	
09:00 -11:30	Registration	
10:00 -10:30	Opening session	Room E
	Tamaz Darchidze	Director of National Botanical Garden of Georgia
	Kakha Kaladze	Mayor of the Tbilisi Municipality
	Levan Davitashvili	Minister of Environmental Protection and Agriculture of Georgia
	Carl F. Taestensen	GIZ office South Caucasus country director
	Joachim Gratzfeld	Director of Regional Programmes, Botanic Garden Conservation International (BGCI)
	Shalva Sikharulidze	Director of the Institute of Botany
10:30-11:30	Plenary session, <i>chair: Shalva Sikharulidze</i>	Room E
	K01 George Nakhutshrishvili	
	Diversity of vegetation of Georgia, the South Caucasus	
	<i>Institute of Botany, Ilia State University, Georgia</i>	
	K02 Liana Giorgadze	
	Implementation status of the Global Strategy for Plant Conservation at the national level	
	<i>Ministry of Environmental Protection and Agriculture of Georgia</i>	
	K03 Tamaz Darchidze	
	Role of National Botanical Garden of Georgia in study and conservation on plant diversity: Achievements and challenges	
	<i>National Botanical Garden of Georgia</i>	
11:30-12:00	Coffee break	
12:00-13:30	Plenary session, <i>chair: Jonas Müller</i>	Room E
	K04 Joachim Gratzfeld	
	Promoting integrated tree conservation in Georgia to spur future diversity – The Global Tree Assessment and the Global Trees Campaign	
	<i>Botanic Gardens Conservation International</i>	
	K05 Natia Iordanishvili	
	„Close to nature forest management” in Georgia and National Criteria and Indicators	
	<i>National Forestry Agency, Georgia</i>	
	K06 Rainer Bussmann	
	Twenty-five years of Ethnobotany around the globe from traditional research to modern studies under the Nagoya Protocol - Enhancing livelihoods of communities	
	<i>Institute of Botany, Ilia State University, Georgia</i>	
	K07 Rezo Getiashvili	
	The real cost of biodiversity	
	<i>Caucasus Environmental NGO's Network (CENN)</i>	

13:30-14:30	Lunch	
14:30-16:00	<p>Scientific session, <i>chair: Rebecca Sucher</i></p> <p>Theme Study and conservation of plant diversity</p> <p>O01 Nana Silakadze^{1,2}, Nadja Korotkova¹, Norbert Kilian¹, Marine Mosulishvili², Thomas Borsch¹</p> <p>Studying the evolutionary history of Caucasian plants – insights from the genus <i>Campanula</i></p> <p>¹<i>Botanic Garden and Botanical Museum Berlin, Free University of Berlin (BGBM), Germany</i></p> <p>²<i>Ilia State University, Georgia</i></p> <p>O02 Nino Melia, Tinatin Barblishvili</p> <p>Sexual differentiation in an endangered endemic species of Georgia's flora <i>Dianthus azkurensis</i> Sosn. (VU) and its effect on some aspects of seed production</p> <p><i>National Botanical Garden of Georgia</i></p> <p>O03 Anush Nersesyan</p> <p>Conservation of <i>Sorbus hajastana</i> (Rosaceae), an endemic species of Armenia and Georgia</p> <p><i>Institute of Botany after A. Takhtajyan of the Armenian National Academy of Sciences, Armenia</i></p> <p>O04 Nino Memiadze, Davit Kharazishvili, Temur Vasadze</p> <p>New species for the wild flora of Adjara</p> <p><i>Batumi Botanical Garden</i></p> <p>O05 Lamara Asieshvili, Marine Siradze, Nino Eradze, Ana Kvlividze</p> <p>Test results of rare and endangered plants in the National Botanical Garden of Georgia</p> <p><i>National Botanical Garden of Georgia</i></p> <p>O06 Elene Japaridze, Lali Jgenti †</p> <p>Ex-situ conservation of 5 species of primary conservation concern native to Georgia</p> <p><i>National Botanical Garden of Georgia</i></p> <p>O07 Özgür Eminağaoğlu¹ Miranda Tserodze², H. Aşkın Akpulat³ Hayal Akyıldırım Beğen¹</p> <p>Invasive Plant Species Distributed in Turkey-Georgia Border</p> <p>¹ <i>Artvin Coruh University, Turkey</i></p> <p>² <i>National Botanical Garden of Georgia</i></p> <p>³ <i>Sivas Cumhuriyet University, Turkey</i></p>	Room E
14:30-16:00	<p>Round table, <i>chair: David Kikodze</i></p> <p>GSPS targets and plants conservation strategy of Georgia</p>	Room A
16:00-16:30	Coffee break	
16:30-18:30	<p>Scientific session, <i>chair: Marine Mosulishvili</i></p> <p>Theme Ethnobotany</p> <p>O08 Rainer Bussmann</p> <p>Modern methods in the study of Ethnobotany in Georgia</p> <p><i>Institute of Botany, Ilia State University, Georgia</i></p>	Room E

O09 Nino Eradze, Inesa Maisaia

Barley collection at the National Botanical Garden of Georgia and its importance

National Botanical Garden of Georgia

O10 Ketevan Batsatsashvili¹, Angelina Jorjadze², Inga Kupradze², Tsimi Inashvili²

Ethnobiology of Georgia's fungi and lichens

¹*School of Natural Sciences and Medicine, Ilia State University, Georgia*

²*Institute of Botany, Ilia State University, Georgia*

O11 Narel Paniagua Zambrana

The future of ethnobotanical studies in Georgia - training community researchers. The example of the Chácobo in Bolivia

Institute of Botany, Ilia State University, Georgia

O12 Ceren Kazancı¹, Soner Oruç², Marine Mosulishvili¹

Medicinal ethnobotany of wild woody plants: a cross-cultural comparison on both sides of the Georgia-Turkey border, Western Lesser Caucasus

¹*Ilia State University, Georgia*

²*Artvin Çoruh University, Turkey*

O13 Roza Bidzinashvili, Neli Tskhadadze, Nikoloz Gelashvili

In situ and ex situ conservation of rare medicinal plants growing in Gardabani district

National Botanical Garden of Georgia

O14 Tamar Kacharava¹, Mzia Lobjanidze²

Useful Plants' Diversity in Georgia

¹Georgian Technical University

²Samtskhe-Javakheti State University, Georgia

16:³⁰-18:³⁰

Round table, *chair: David Kikodze*

GSPS targets and plants conservation strategy of Georgia

Room A

DAY 2		TUESDAY, 21 MAY, 2019 Urban Biodiversity Day
09:00-11:30	<p>Scientific session, chair: Andrew Wyatt Theme Urban Biodiversity</p> <p>K08 Maia Bitadze</p> <p>Sustainable management of municipal forests as a mean to ensure better public access to urban biodiversity - experience of Tbilisi Municipality</p> <p><i>Tbilisi City Hall, Georgia</i></p> <p>K09 Andrew Croft</p> <p>Landscape-led masterplanning and Green Infrastructure</p> <p><i>Chris Blandford Associates, United Kingdom</i></p> <p>O15 Zezva Asanidze¹, Irma Iremashvili², Giorgi Arabuli³, Tamar Bragvadze¹</p> <p>Climate change impact on East Georgia's (the South Caucasus) lowland urban floristic diversity - a review study</p> <p>¹ <i>Institute of Botany, Ilia State University, Georgia</i> ² <i>Scientific-Research Center of Agriculture (SRCA), Georgia</i> ³ <i>Regional Environmental Center for the Caucasus (REC Caucasus)</i></p> <p>O16 Henrik Sjöman</p> <p>Hunting for a larger diversity of urban trees in Western Europe – a case study from the southern Caucasus</p> <p><i>Gothenburg Botanical Garden, Sweden</i></p> <p>O17 Levani Kikilashvili</p> <p>An eco infrastructure development, approach to the health promotion in Georgia</p> <p><i>Ilia State University, Georgia</i></p> <p>O18 Jumber Lomidze, Svetlana Khmaladze, Beqa Berdzenishvili</p> <p>Diversity of woody plants' root system</p> <p><i>National Botanical Garden of Georgia</i></p> <p>O19 Nino Sul Khanishvili</p> <p>Sustainable landscape principles of urban planning as a basis of sustainable urban biodiversity</p> <p><i>Tbilisi State University</i></p> <p>O20 Qetevan Mamulashvili, Rusudan Tarkashvili, Zaur Lomtadze</p> <p>Influence of urbanization on saprophytic and cellulose degrading microorganisms of Kakheti region soils</p> <p><i>Institute of Botany, Ilia State University, Georgia</i></p>	Room E
11:30-12:00	Coffee break	
12:00-13:30	<p>Workshop, chair: Temel Gogturk Integrated Pest Management</p>	Room A
12:00-13:30	<p>Scientific session, chair: Audrius Skridaila Theme Botanical Gardens – research, collections, programmes</p>	Room E

O21 Jerzy Puchalski¹, Pawel Kojs¹, Damian Matynia²

The network of Polish botanical gardens for seed banking of rare and threatened native plants

¹*Polish Academy of Sciences Botanical Garden*

²*Silesian Botanical Garden, Poland*

O22 Gia Bolkvadze¹, Dali Varshanidze¹, Inga Diasamidze²

Diversity of the family Proteaceae Juss. in the Batumi Botanical Garden

¹*Batumi Botanical Garden, Georgia*

²*Batumi Shota Rustaveli State University, Georgia*

O23 Eter Gogitashvili

Diversity of Korean Chrysanthemum (*Dendranthema x koreanum*) in the National Botanical Garden of Georgia

National Botanical Garden of Georgia

O24 Julieta Jakeli¹, Mariam Metreveli²

Caucasian zelkova (*Zelkova carpinifolia* (Pall.) K. Koch): IUCN Global and National Red List status, bioecological characteristics and conservation capacity

¹*Batumi Botanical Garden, Georgia*

²*Institute of Phytopathology and Biodiversity of Batumi Shota Rustaveli State University, Georgia*

O25 Ulyana Spirina^{1,2}, Yuri Naumtsev¹

Bryophyte ex situ conservation programme in Botanical Garden of Tver State University (Russia)

¹ *Botanical Garden of Tver State University, Russian Federation*

² *Tsitsin Main Botanical Garden, Russian Academy of Sciences, Russian Federation*

O26 Feride Chaidze¹, Mariam Metreveli²

Gene pool of medicinal woody exotics introduced at Batumi Botanical Garden and their bioecological peculiarities

Batumi Botanical Garden, Georgia

O27 Özgür Eminağaoğlu, Zehra Eminağaoğlu

Some Reviews about Artvin Çoruh University Ali Nihat Gökyiğit Botanical Garden

Artvin Coruh University, Turkey

13: ³⁰ -14: ³⁰	Lunch		
14: ³⁰ -16: ⁰⁰	Round Table, <i>chair: Tinatin Barblishvili</i> Science Strategy of NBGG	Room D	Tbilisi City Tour
14: ³⁰ -16: ⁰⁰	Workshop, <i>chair: Temel Gogturk</i> Integrated Pest Management	Room A	
16: ⁰⁰ -16: ³⁰	Coffee break		
16: ³⁰ -18: ⁰⁰	Round Table, <i>chair: Tinatin Barblishvili</i> Science Strategy of NBGG	Room D	
16: ³⁰ -18: ⁰⁰	Workshop, <i>chair: Temel Gogturk</i> Integrated Pest Management	Room A	

DAY 3

WEDNESDAY, 22 MAY, 2019
International Biodiversity Day

09:00-11:30

Plenary session, *chair: Tamaz Darchidze*

Room E

K10 Arnold Gegechkori

Distribution patterns and adaptations of large shade-tolerant coniferous species in the treeline ecotone of the limestone area of the Greater Caucasus (within the border of West Georgia)

Ivane Javakhishvili Tbilisi State University, Georgia

K11 Jonas Müller

Activities of the Millennium Seed Bank to conserve plant species from high-mountain regions worldwide

Royal Botanic Gardens Kew, Millennium Seed Bank, United Kingdom

K12 Adil Güner¹, Ali Kandemir²

The Illustrated Flora of Turkey

¹*Nezahat Gokyigit Botanic Garden, Turkey*

²*Erzincan University, Turkey*

K13 Nato Sultanishvili

Protected areas of Georgia and biodiversity

Agency of Protected Areas, Georgia

K14 Gerald Parolly

A Caucasus garden for Berlin – then and now

Botanic Garden and Botanical Museum Berlin, Free University of Berlin (BGBM), Germany

11:30-12:00

Coffee break

12:00-13:30

Scientific Session, *chair: Rainer Busmann*

Room E

Theme | Study and conservation of plant diversity

O28 Saba Pipia

Evaluating effectiveness of CITES in preservation of endangered species of wild flora from international and Georgian prospective

Tbilisi City Hall, Georgia

O29 Gulnara Badridze, Luara Rapava, Eva Chkhubianishvili, Medea Kikvidze, Lali Chighladze, Nino Chitashvili, Nino Tsiklauri

Content of ascorbic acid, tocopherol and total phenols in some species of mosses growing in Georgia

Institute of Botany, Ilia State University, Georgia

O30 Tsira Mikatadze-Pantsulaia, Sandro Kolbaia, Ana Gogoladze

Ex-situ conservation efforts within the framework of the Millennium Seed Bank Partnership in Georgia

National Botanical Garden of Georgia

O31 Giorgi Tedoradze¹, Anja Magiera², George Nakhutsrishvili¹, Madeleine Seip², Tim

Theissen², Rainer Waldhardt², Annette Otte²

Comparing the aboveground species composition of steep high mountain grassland to its soil seed bank in the Central Greater Caucasus (Kazbegi, Georgia)

¹ *Institute of Botany, Ilia State University, Georgia*

² *Institute of Landscape Ecology and Resources Management, Justus Liebig University Giessen Germany*

O32 Alexander Tashev, Evgeni Tsavkov

The dendroflora of the Bulgarian part of Strandzha Mountain and its conservation significance

University of Forestry, Bulgaria

O33 Nino Manvelidze¹, Nana Zarnadze², Mariam Kandelaki¹

Studying the morphogenesis of thin-leaved hawthorn *Crataegus microphylla* C. Koch in vitro culture

¹ *Batumi Botanical Garden,*

² *Batumi Shota Rustaveli State University*

O34 Rebecca Sucher, Andrew Wyatt

Botanic gardens and conservation horticulture: building international collaborations to support ex situ conservation

Missouri Botanical Garden, United States of America

12:00-13:30

Scientific Session, chair: Gerald Parolly

Theme | Botanical Gardens – research, collections, programmes

Room A

O35 Giorgi Tarkhnishvili, Tamaz Darchidze

Social programmes at the National Botanical Garden of Georgia

National Botanical Garden of Georgia

O36 Davit Kharazishvili, Zurab Manvelidze, Temur Vasadze

Goderdzi Alpine Garden: development and objectives of a new garden in the Minor (Lesser) Caucasus

Batumi Botanical Garden, Georgia

O37 Farid Seyfullayev, Vahid Farzaliyev

Garden club project in the central botanical garden of Azerbaijan National Academy of Sciences

Central Botanical Garden of Azerbaijan National Academy of Sciences, Azerbaijan

O38 Sopiko Tchedia¹, Natia Kapanadze², Marine Muchaidze¹

A new ornamental display of perennial grasses in the National Botanical Garden of Georgia

¹ *National Botanical Garden of Georgia*

² *Washington University in St. Louis, United States of America*

O39 Rati Gelashvili, Irina Murjikneli, Kristine Belashvili

Educational programmes of the National Botanical Garden of Georgia: achievements and challenges in environmental education

National Botanical Garden of Georgia

O40 Kristine Belashvili, Irina Murjikneli, Rati Gelashvili

Environmental education project for people with special needs at the National Botanical Garden of Georgia

National Botanical Garden of Georgia

13:15-13:30	Signing of the Memorandum of Understanding on establishment of the National Plant Conservation Network Signing of the Memorandum of Understanding between the National Botanical Garden of Georgia and the Missouri Botanical Garden	
13:30-14:30	Lunch	
14:30-18:00	Posters session	Main Hall
14:30-16:00	Scientific Session, chair: Arnold Gegechkori Theme Study and conservation of plant diversity	Room E
	O41 Beka Berdzenishvili ¹ , Medea Burjanadze ² , Nato Kobakhidze ² Study of <i>Buxus colchica</i> Pojark. populations in Georgia and clarification of their conservation status ¹ <i>National Botanical Garden of Georgia</i> ² <i>V. Gulissashvili Research Institute of Forestry, Agricultural University of Georgia</i>	
	O42 Tamari Kutchava , Eka Khurtsidze, Mariam Gaidamashvili In vitro conservation of <i>Castanea sativa</i> (L.) germplasm <i>Ivane Javakhishvili Tbilisi State University, Georgia</i>	
	O43 Marine Mosulishvili ¹ , Inesa Maisaia ² , David Bedoshvili ³ , Nino Eradze ² Georgian Wheat - Diversity and Conservation ¹ <i>Ilia State University, Georgia</i> ² <i>National Botanical Garden of Georgia</i> ³ <i>The Agricultural University of Georgia</i>	
	O44 Nijolė Maršalkienė ¹ , Vitas Marozas ¹ , Vizma Nikolajeva ² , Edmundas Bartkevičius ¹ Influence of <i>Quercus robur</i> L. and <i>Quercus rubra</i> L. tree dominated stands on richness of microbiota in litter and top layers of soil ¹ <i>Vytautas Magnus University Agriculture Academy, Lithuania</i> ² <i>University of Latvia Microbial Strain Collection, Latvia</i>	
	O45 Nona Chkhaidze , Mzagho Lobzhanidze, Rati Mghebrishvili Phytoplasma Diseases and Plant Biodiversity of Georgia <i>The Agricultural University of Georgia</i>	
	O46 Ia Pipia, Vazha Tabidze Comparative genomics of Georgian grape cultivars: How structural and functional genomic elements of <i>Vitis vinifera</i> cultivars are related to each other <i>Agricultural University of Georgia</i>	

14:30-16:00

Scientific Session, *chair: Davit Kharazishvili*

Room A

Theme | Botanical Gardens – research, collections, programmes

O47 Nana Bitsadze

Mycological Herbarium of the Agricultural University of Georgia

Agricultural University of Georgia

O48 Marine Muchaidze

Diversity of flowering herbaceous ornamental plants in the National Botanical Garden of Georgia

National Botanical Garden of Georgia

O49 Marine Tatarishvili, Nani Aroshidze, Magdana Djaparidze

Flowering-Herbaceous Plants of South African Origin at Batumi Botanical Garden

Batumi Botanical Garden, Georgia

O50 Svetlana Khmaladze, Jumber Lomidze, Marine Khuntsaria, Beka Berdzenishvili, Elizaveta Avoiani

The woody plant diversity of the Central Park of the National Botanical Garden of Georgia

National Botanical Garden of Georgia

O51 Marine Nozadze, Ketevan Tavartkiladze

Monitoring of harmful entomofauna of woody plants in the National Botanical Garden of Georgia, their mass propagation and restrictive factors

National Botanical Garden of Georgia

O52 Roza Bidzinashvili

Introduction of monocotyledonous medicinal geophytes in the National Botanical Garden of Georgia

National Botanical Garden of Georgia

O53 Ketevan Tavartkiladze, Marine Nozadze

Representatives of genus *Diplodia* in the National Botanical Garden of Georgia

National Botanical Garden of Georgia

16:00-16:30

Coffee break

16:30-17:00

Plenary session, *chair: George Nakhutsrishvili*

Room E

K015 Tinatin Barblishvili

Science strategy for National Botanical Garden of Georgia

National Botanical Garden of Georgia

17:00-17:30

Conference closure

Room E

LIST OF POSTERS

Theme | Study and conservation of plant diversity

P01 Alexander Tashev¹, Ivan Kamburov², Slavcho Savev¹, Teodor Nedelin¹

Characterization of the habitats of the common yew (*Taxus baccata* L.) and population restoration trials in the Strandzha Mountain

¹University of Forestry - Sofia, Bulgaria

²Nature Park Strandzha, Malko Tarnovo, Bulgaria

P02 Audrius Skridaila¹, Stasė Dapkūnienė^{2,3}, Vilija Snieškienė³

The Caucasian Flora in Ethnographical Gardens of Lithuania

¹ Botanical Garden of Vilnius University, Lithuania

² Plant Gene Bank, Ministry of Environment, Lithuania

³ Botanical Garden of Vytautas Magnus University, Lithuania

P03 Ketevan Tigishvili¹, Ketevan Batsatsashvili²

Diversity of bryophytes in Imereti cave habitats

¹ Institute of Botany, Ilia State University, Georgia

² School of Natural Sciences and Medicine, Ilia State University, Georgia

P04 Lamara Asieshvili, Marine Siradze, Ana Kvlividze

Ex situ cultivation of *Ostrya carpinifolia* Scop. and *Zelkova carpinifolia* (Pall.) K. Koch in the National Botanical Garden of Georgia

National Botanical Garden of Georgia

P05 Laura Gabedava, Mariam Kikvidze

The self-reproduction capacity of *Aquilegia colchica* Kem.-Nath., included in the Red List of Caucasus Plants

National Botanical Garden of Georgia

P06 Ligita Baležentienė

Phytotoxic impact of two invasive *Impatiens* species on germination of several monocot and dicot species

Agricultural Academy of VMU, Lithuania

P07 Marek Podsiedlik¹, Aleksandra Broncel², Jadwiga Pojnar², Katarzyna Bzdega²

New locality and DNA polymorphism in population of *Dryopteris iranica* Fras.-Jenk. from Georgia – preliminary results

¹Adam Mickiewicz University, Poland

²University of Silesia, Poland

P08 Nana Goginashvili¹, Zurab Manvelidze², Irina Tvauri¹

Study of *Betula medwediewii* Regel (Betulaceae) habitats in Georgia

¹ Scientific-Research Center of Agriculture, Georgia

² Batumi Botanical Garden, Georgia

P09 Natia Tepnadze, Mari Gogniashvili

Genetic diversity studies of *Aegilops tauschii* Coss. samples spread in Georgia using the chloroplastic DNA

Agricultural University of Georgia

P10 Arsenia Bakhia

Relict species Megrelian birch (*Betula megrellica* Sosn.) distribution and conservation activities

Institute of Botany, Ilia State University, Georgia

P11 Natalia Kharabadze, Nona Chkhaidze, Medea Burjanadze, Mzagho Lobzhanidze, Kakha Didebulidze

Brown Marmorated Stink Bug (BMSB) - *Halyomorpha halys* – a new hazard for biodiversity of Georgia

Agricultural University of Georgia

Theme | Ethnobotany

P12 Giorgi Psuturi

Neglected *leguminous crops* and their restoration in the ethnobotanical collection of the National Botanical Garden of Georgia

National Botanical Garden of Georgia

P13 Khatia Khaikashvili

Plants used in rituals in the high mountainous areas of east Georgia (Khevi, Mtiuleti, Gudamakari)

National Botanical Garden of Georgia

Theme | Urban Biodiversity

P14 Antanina Stankevičienė

Diversity and state of *Quercus robur* L. at city greeneries in Lithuania

*Botanical Garden of Vytautas
Magnus University, Lithuania*

P15 Ligita Baležentienė

Fluorescence traits of invasive species in Lithuania

Agricultural Academy of VMU, Lithuania

P16 Mziya Tsulukidze¹, Qetevan Mamulashvili²

The microflora of surrounding saline soils of Kumisi Lake (Georgia)

¹*Sokhumi State University, Georgia*
²*Institute of Botany, Ilia State University, Georgia*

Theme | Botanical Gardens – research, collections, programmes

P17 Archil Kokrashvili

Bonsai Collection in the National Botanical garden of Georgia

National Botanical Garden of Georgia

P18 Asta Klimienė, Kristina Baltaragienė, Laura Normantė

Diversity of *Picea* plants in Klaipėda university Botanic garden

P19 Elzbieta Zygala, Narcyz Piorecki

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