

Ethnobotany of Mountain Regions

Series Editors: Rainer W. Bussmann
Narel Y. Paniagua-Zambrana

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Rainer W. Bussmann ·
Narel Y. Paniagua-Zambrana · Zaal Kikvidze
Editors

Ethnobotany of the Caucasus

Second Edition



Springer

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Series Editors

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Ethnobotanical research in recent years has increasingly shifted into applied aspects of the discipline, including climate change research, conservation, and sustainable development. It has by now widely been recognized that “traditional” knowledge is always in flux and adapting to a quickly changing environment. Trends of globalization, especially the globalization of plant markets, have greatly influenced how plant resources are managed nowadays. While ethnobotanical studies are now available from many regions of the world, no comprehensive encyclopedic series focusing on the worlds mountain regions is available in the market. Scholars in plant sciences worldwide will be interested in this website and its dynamic content.

The field (and thus the market) of ethnobotany and ethnopharmacology has grown considerably in recent years. Student interest is on the rise, attendance at professional conferences has grown steadily, and the number of professionals calling themselves ethnobotanists has increased significantly (the various societies—Society for Economic Botany, International Society of Ethnopharmacology, Society of Ethnobiology, International Society for Ethnobiology, and many regional and national societies in the field currently have thousands of members). Growth has been most robust in BRIC countries.

The objective of this new series on Ethnobotany of Mountain Regions is to take advantage of the increasing international interest and scholarship in the field of mountain research. We anticipate including the best and latest research on a full range of descriptive, methodological, theoretical, and applied research on the most important plants for each region. Each contribution will be scientifically rigorous and contribute to the overall field of study.

Rainer W. Bussmann •
Narel Y. Paniagua-Zambrana • Zaal Kikvidze
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With 5043 Figures and 4 Tables

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*Dedicated to two remarkable men, both
representing Georgian and Caucasian
culture, tradition, and values in outstanding
ways:*

*Prof. Dr. Biol. Giorgi (Gia) Nakhutsrishvili
Major (Ret.) Nikola (Kolya) Khetsuriani*

ედღვნება ორ შესანიშნავ ადამიანს,
რომლებიც გამორჩეული ფორმით
წარმოადგენენ ქართულ და კავკასიურ
კულტურას, ტრადიციებსა და
ღირებულებებს:

პროფესორს, დოქტორს, ბიოლოგს
გიორგი (გია) ნახუცრიშვილს
მაიორ (გადამდგარ) ნიკოლოზ (კოლია)
ხეცურიანს

Preface to the Second Edition

Few regions in Europe are more steeped in mythology than the Caucasus, and few have sparked more interest from botanists and anthropologists alike. Indeed, given the historical, cultural, economic, religious, and ethnic diversity of the region, it would be impossible to define the Caucasus in a single term.

The mountain ranges of the Greater and Lesser Caucasus form one of the most important biodiversity hotspots and also a cradle for human crop use, where human agriculture dates back at least 9000 years, with an amazing human diversity. The Greek historian Herodotus wrote in the fifth century BC that “many and all kinds of nations dwell in the Caucasus,” and Strabo, early in the first century AD, reported 70 “tribes” in the region, each with its own language. The Roman chronicler Pliny the Elder wrote that the Romans needed 130 interpreters to do business in the Caucasus. The language families Armenian and Kartvelian (to which Georgian belongs) are among the oldest in the world.

The Caucasus has been continuously inhabited since the early Stone Age, and agriculture was developed during the early Neolithic period. In Georgian, the country’s name is “Sakartvelo,” and “Georgia” is semantically related to Greek (γεωργία), meaning “agriculture.” However, human occupation began in the early Pleistocene. The 1.7-million-year-old hominid fossils from Dmanisi in South Georgia are the earliest known hominid finds outside of Africa. This specimen has been classified as Late Middle Paleolithic and Early Upper Neanderthal, and modern human habitation is well documented. Upper Paleolithic fossils from Dzudzuana Cave include remains of wool (*Capra caucasica*) and dyed fibers of wild flax (*Linum usitatissimum* L.) dated to ~36–34 Ka BP.

This incredible diversity and the importance of the region, e.g., as a transit area for the Silk Road, are also reflected in the use of plants, and while many species have been shared in different parts of the Caucasus, humans have also developed a wide range of different plant resources to use, be it as food, medicine, or utensils and tools. The combination of a variety of ecosystems supporting tremendous botanical diversity, together with ancient plant-use practices and the stunning hospitality of its peoples, makes the Caucasus an ethnobotanist’s dream destination. While ethnobotanical research in the region was fairly prominent in the early twentieth century, little research in the field has been published from the region since the 1940s.

The present volume provides an in-depth introduction to the Caucasus Region, as well as the countries covered—Armenia, Azerbaijan, Georgia, the Russian Caucasus, and the Iranian Caucasus—followed by an overview of over 1200 important plant and almost 100 fungal species in the region. The plant and fungal chapters feature a modern overview on taxonomy, local names, and information on the ecology and distribution of all species. The ethnobotanical information provides both an overview on historic uses and data from the most recent scientific studies of plant use in the region and contains the most up-to-date literature sources, as well as comprehensive information on other related species in many mountain regions of the globe.

We hope that this new edition, with a greatly broadened scope from the first edition, will give both interested laypeople as well as professionals an opportunity to learn about the fascinating biodiversity and plant-use culture of the Caucasus and will spark interest in its further documentation, sustainable use, and conservation.

Karlsruhe, Germany
Tbilisi, Georgia
October 2025

Rainer W. Bussmann
Narel Y. Paniagua-Zambrana

Contents

Volume 1

Part I Region Profiles	1
Ethnobotany of the Caucasus: The Region	3
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Shalva Sikharulidze, Davit Tchelidze, Ketevan Batsatsashvili, Zaal Kikvidze, Manana Khutsishvili, and Inesa Maisaia	
Ethnobotany of the Caucasus: Armenia	43
George Fayvush, Alla Aleksanyan, and Rainer W. Bussmann	
The Flora and Vegetation of Azerbaijan	81
Naiba P. Mehdiyeva, Valida M. Alizade, Rashad Salimov, and Nigar Mursal	
Flora and Vegetation of Dagestan and the Northern Caucasus	131
Ramazan A. Murtazaliev, Aslan Aliev Muradalievich, and Rainer W. Bussmann	
Ethnobotany of the Caucasus: Georgia	193
Rainer W. Bussmann, George Nakhutsrishvili, Narel Y. Paniagua-Zambrana, Ketevan Batsatsashvili, Zaal Kikvidze, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
Ethnobotany of the Caucasus: Iran	251
Farzaneh K. Nasab, Amin Zeraatkar, and Rainer W. Bussmann	
Part II Plant Profiles	301
<i>Abies nordmanniana</i> (Steven) Spach PINACEAE	303
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, and Lea Müller	

<i>Acantholimon hohenackeri</i> (Jaub. & Spach) Boiss. PLUMBAGINACEAE . . .	317
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Naiba P. Mehdiyeva, Valida M. Alizade, Rashad Salimov, Nigar Mursal, George Fayvush, and Alla Aleksanyan	
<i>Acer campestre</i> L. <i>Acer cappadocicum</i> Gled. <i>Acer laetum</i> C.A. <i>Mey. Acer platanoides</i> L. <i>Acer pseudoplatanus</i> L. <i>Acer trautvetteri</i> Medw. <i>Acer velutinum</i> Boiss. SAPINDACEAE	321
Rainer W. Bussmann, George Fayvush, Alla Aleksanyan, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Lea Müller, Naiba P. Mehdiyeva, and Valida M. Alizade	
<i>Achillea biebersteinii</i> C. Afan. <i>Achillea grandiflora</i> M. Bieb. <i>Achillea micrantha</i> M. Bieb. <i>Achillea millefolium</i> L. <i>Achillea nobilis</i> L. <i>Achillea ptarmicifolia</i> Willd. Rupr. ex Heimerl <i>Achillea ochroleuca</i> Ehrh. <i>Achillea santolina</i> L. <i>Achillea setacea</i> Waldst. & Kit. ASTERACEAE	351
Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, George Fayvush, Alla Aleksanyan, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Olim K. Khojimatov, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Farzaneh Khajoei Nasab, and Amin Zeraatkar	
<i>Aconitum napellus</i> L. <i>Aconitum orientale</i> Mill, <i>Aconitum tauricum</i> Wulf. <i>Aconitum vulparia</i> L. RANUNCULACEAE	381
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, and Narel Y. Paniagua-Zambrana	
<i>Acorus calamus</i> L. ACORACEAE	399
Naiba P. Mehdiyeva, Rashad Salimov, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Dilovar T. Khamraeva, and Olim K. Khojimatov	
<i>Actaea spicata</i> L. ROSACEAE	413
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Lea Müller, and Zaal Kikvidze	
<i>Actinidia callosa</i> Lindl. ACTINIDIACEAE	417
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Ketevan Batsatsashvili, Manana Khutsishvili, Shalva Sikharulidze, Davit Tchelidze, Zaal Kikvidze, and Lea Müller	
<i>Adiantum capillus-veneris</i> L. ADIANTACEAE	421
Farzaneh Khajoei Nasab, Amin Zeraatkar, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Naiba P. Mehdiyeva, Rashad Salimov, George Fayvush, and Alla Aleksanyan	

<i>Adonis aestivalis</i> L. <i>Adonis vernalis</i> L. <i>Adonis wolgensis</i> Stev.	
RANUNCULACEAE	431
Naiba P. Mehdiyeva, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, George Fayvush, Alla Aleksanyan, Manana Khutsishvili, and Zaal Kikvidze	
<i>Aegopodium podagraria</i> L. APIACEAE	439
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Shalva Sikharulidze, and Davit Tchelidze	
<i>Aeluropus lagopoides</i> (L.) Thwaites POACEAE	443
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Aethusa cynapium</i> L. APIACEAE	447
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, and Lea Müller	
<i>Agasyllis latifolia</i> (Bieb.) Boiss APIACEAE	453
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Lea Müller, Ziyarat Guseynova Agamirzoevna, Gadzhi Rdzhabov Kamaludinovich, Aslan Aliev Muradalievich, George Fayvush, and Alla Aleksanyan	
<i>Agrimonia eupatoria</i> L. <i>Agrimonia repens</i> L. ROSACEAE	461
Naiba P. Mehdiyeva, Valida M. Alizade, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Lea Müller, Aslan Aliev Muradalievich, George Fayvush, and Alla Aleksanyan	
<i>Agrostis stolonifera</i> L. POACEAE	471
George Fayvush, Alla Aleksanyan, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Ailanthus altissima</i> (Mill.) Swingle SIMAROUBACEAE	477
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, George Fayvush, Alla Aleksanyan, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Ajuga genevensis</i> L. <i>Ajuga pseudochia</i> Shost. <i>Ajuga turkestanica</i> Briq. LAMIACEAE	481
Naiba P. Mehdiyeva, Rashad Salimov, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Lea Müller, and Olim K. Khojimatov	

<i>Albizzia julibrissin</i> Durazz FABACEAE	493
Naiba P. Mehdiyeva, Valida M. Alizade, Rashad Salimov, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Alcea hyrcana</i> A. Grossh. <i>Alcea lenkoranica</i> Iljin <i>Alcea rosea</i> L. <i>Alcea rugosa</i> Alef. <i>Alcea tabrisiana</i> Boiss. et Buhse MALVACEAE	501
Naiba P. Mehdiyeva, Valida M. Alizade, Rashad Salimov, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Alchemilla vulgaris</i> L. ROSACEAE	511
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Aleurites moluccanus</i> (L.) Willd. EUPHORBIACEAE	519
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, and Lea Müller	
<i>Alhagi pseudalhagi</i> (M. Bieb.) Desv. ex Wangerin FABACEAE	523
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, and Lea Müller	
<i>Alisma plantago-aquatica</i> L. ALISMATACEAE	525
Naiba P. Mehdiyeva, Nigar Mursal, Narel Y. Paniagua-Zambrana, Rainer W. Bussmann, and Zaal Kikvidze	
<i>Alkanna orientalis</i> (L.) Boiss. BORAGINACEAE	531
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, George Fayvush, and Alla Aleksanyan	
<i>Alkekengi officinarum</i> Moench SOLANACEAE	535
George Fayvush, Alla Aleksanyan, Naiba P. Mehdiyeva, Valida M. Alizade, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Lea Müller, Farzaneh Khajoei Nasab, and Amin Zeraatkar	
<i>Allium ampeloprasum</i> L. <i>Allium ascalonicum</i> L. <i>Allium atroviolaceum</i> Boiss <i>Allium cepa</i> L. <i>Allium fistulosum</i> L. <i>Allium kunthianum</i> Vved. <i>Allium paradoxum</i> (M. Bieb.) G. Don <i>Allium ponticum</i> Misch. <i>Allium</i> <i>porrum</i> L. <i>Allium rubellum</i> Bieb. <i>Allium rotundum</i> L. <i>Allium sativum</i> L. <i>Allium ursinum</i> L. <i>Allium victorialis</i> L. AMARYLLIDACEAE	543
Aslan Aliev Muradalievich, Farzaneh Khajoei Nasab, Amin Zeraatkar, George Fayvush, Alla Aleksanyan, Naiba P. Mehdiyeva, Valida M. Alizade, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Asiyat Alibegova Nuratinovna, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, and Lea Müller	

<i>Alnus glutinosa</i> (L.) Gaertn. <i>Alnus glutinosa</i> subsp. <i>barbata</i> (C.A.Mey.) Yalt. <i>Alnus incana</i> L. Moench BETULACEAE	593
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Naiba P. Mehdiyeva, and Nigar Mursal	
<i>Aloe vera</i> (L.) Burm. f. ASPHODELACEAE	609
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, and Lea Müller	
<i>Althaea armeniaca</i> Ten. <i>Althaea cannabina</i> L. <i>Althaea hirsuta</i> L. <i>Althaea officinalis</i> L. MALVACEAE	617
Amin Zeraatkar, Farzaneh Khajoei Nasab, Naiba P. Mehdiyeva, Rashad Salimov, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, George Fayvush, and Alla Aleksanyan	
<i>Amaranthus blitum</i> L. <i>Amaranthus blitoides</i> S.Wats. <i>Amaranthus caudatus</i> <i>Amaranthus cruentus</i> L. <i>Amaranthus hybridus</i> L. <i>Amaranthus palmeri</i> S. Watson <i>Amaranthus paniculatus</i> L. <i>Amaranthus retroflexus</i> L. <i>Amaranthus spinosus</i> L. AMARANTHACEAE	631
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, George Fayvush, Alla Aleksanyan, Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, Aslan Aliev Muradalievich, and Gadzhi Rdzhabov Kamaludinovich	
<i>Ambrosia artemisiifolia</i> L. ASTERACEAE	665
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, and Lea Müller	
<i>Anabasis aphylla</i> L. AMARANTHACEAE	673
Olim K. Khojimatov and Rainer W. Bussmann	
<i>Anacamptis pyramidalis</i> (L.) Rich. ORCHIDACEAE	679
Naiba P. Mehdiyeva, Valida M. Alizade, Rainer W. Bussmann, and Narel Y. Paniagua-Zambrana	
<i>Anacyclus ciliatus</i> Trautv. ASTERACEAE	685
Naiba P. Mehdiyeva, Rainer W. Bussmann, and Lea Müller	
<i>Anagallis arvensis</i> L. <i>Anagallis foemina</i> Mill. PRIMULACEAE	691
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, and Manana Khutsishvili	

<i>Anchusa arvensis</i> ssp. <i>orientalis</i> (L.) Nordh. <i>Anchusa azurea</i> Mill.	
<i>Anchusa italica</i> Retz. <i>Anchusa ochroleuca</i> M. Bieb. <i>Anchusa officinalis</i> L.	
BORAGINACEAE	697
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, George Fayvush, Alla Aleksanyan, Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, and Seyed Hamed Moazzami Farida	
<i>Androsace armeniaca</i> Duby PRIMULACEAE	711
Naiba P. Mehdiyeva, Rashad Salimov, and Rainer W. Bussmann	
<i>Anemonoides caucasica</i> (Rupr.) Holub <i>Anemonoides ranunculoides</i> (L.) Holub RANUNCULACEAE	717
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, and Narel Y. Paniagua-Zambrana	
<i>Anethum graveolens</i> L. APIACEAE	721
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Olim K. Khojimatov, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, and Seyed Hamed Moazzami Farida	
<i>Angelica adzharica</i> Pimenow <i>Angelica tatianae</i> Bordz APIACEAE	735
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, and Inesa Maisaia	
<i>Annona cherimola</i> Mill. ANNONACEAE	747
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, and Zaal Kikvidze	
<i>Anthemis arvensis</i> L. <i>Anthemis candidissima</i> Willd. ex Spr. <i>Anthemis</i> <i>cotula</i> L. <i>Anthemis marschallianan</i> ssp. <i>sosnovskyana</i> (Fed.) Grierson <i>Anthemis ruthenica</i> M. Bieb. <i>Anthemis tinctoria</i> L. ASTERACEAE	751
Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, George Fayvush, and Alla Aleksanyan	
<i>Anthoxanthum odoratum</i> L. POACEAE	763
Naiba P. Mehdiyeva, Nigar Mursal, and Rainer W. Bussmann	
<i>Anthriscus cerefolium</i> (L.) Hoffm. <i>Anthriscus nemorosus</i> (M. Bieb.) Spreng. <i>Anthriscus sylvestris</i> L. APIACEAE	767
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, George Fayvush, Alla Aleksanyan, Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, Aslan Aliev Muradalievich, and Maxim Mallaliev Mallalievich	

<i>Anthyllis lachnophora</i> Tuz. <i>Anthyllis variegata</i> Bois. <i>Anthyllis vulneraria</i> L. FABACEAE	779
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Apium graveolens</i> L. APIACEAE	787
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	

Volume 2

<i>Aquilegia wittmanniana</i> Steven ex Fisch, C.A. Mey. & Avé-Lall. RANUNCULACEAE	793
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Aralia spinosa</i> L. ARALIACEAE	799
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Araucaria araucana</i> (Molina) K. Koch ARAUCARIACEAE	803
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Arbutus andrachne</i> L. ERICACEAE	807
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, and Zaal Kikvidze	
<i>Arctium lappa</i> L. <i>Arctium tomentosum</i> Mill. ASTERACEAE	813
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Amin Zeraatkar, and Farzaneh Khajoei Nasab	
<i>Aristolochia clematitis</i> L. <i>Aristolochia iberica</i> Fisch. & C.A.Mey. ex Boiss. ARISTOLOCHIACEAE	829
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Armoracia rusticana</i> (G. Gaertn.), B. Mey. & Scherb. BRASSICACEAE ...	843
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Olim K. Khojimatov, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, George Fayvush, and Alla Aleksanyan	
<i>Arnebia decumbens</i> (Vent.) Coss. et Kral. BORAGINACEAE	851
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	

<i>Artemisia absinthium</i> L. <i>Artemisia annua</i> L. <i>Artemisia campestris</i> L. <i>Artemisia chamaemelifolia</i> Vill. <i>Artemisia dracunculus</i> L. <i>Artemisia fragrans</i> Willd. <i>Artemisia leucodes</i> Schrenk <i>Artemisia</i> <i>marschalliana</i> Spreng. <i>Artemisia scoparia</i> Waldst. & Kit. <i>Artemisia</i> <i>splendens</i> Willd. <i>Artemisia szovitsiana</i> (Besser) Grossh. <i>Artemisia</i> <i>vulgaris</i> L. <i>Eclipta prostrata</i> (L.) L. ASTERACEAE	855
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, Rashad Salimov, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Aslan Aliev Muradalievich, Fazina Vagabova Askeralievna, George Fayvush, Alla Aleksanyan, Dilovar T. Khamraeva, and Olim K. Khojimatov	
<i>Arum elongatum</i> Stev. <i>Arum italicum</i> subsp. <i>albispathum</i> (Steven ex Ledeb.) Prime <i>Arum maculatum</i> L. <i>Arum orientale</i> M. Bieb. ARACEAE	901
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Naiba P. Mehdiyeva, Nigar Mursal, Lea Müller, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, George Fayvush, and Alla Aleksanyan	
<i>Aruncus dioicus</i> (Walter) Fernald ROSACEAE	915
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Naiba P. Mehdiyeva, and Rashad Salimov	
<i>Asparagus officinalis</i> L. <i>Asparagus verticillatus</i> L. ASPARAGACEAE	923
George Fayvush, Alla Aleksanyan, Fatima Islamova Islamovna, Gadzhi Rdzhabov Kamaludinovich, Aslan Aliev Muradalievich, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Naiba P. Mehdiyeva, Nigar Mursal, and Valida M. Alizade	
<i>Asperugo procumbens</i> L. BORAGINACEAE	941
Naiba P. Mehdiyeva, Nigar Mursal, and Rainer W. Bussmann	
<i>Asperula arvensis</i> L. <i>Asperula cristata</i> (Sommier & Levier) V.I. Krecz. <i>Asperula odorata</i> L. <i>Asperula prostrata</i> (Adams) K. Koch. <i>Asperula</i> <i>rivalis</i> Sibth. ex Smith. RUBIACEAE	943
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Naiba P. Mehdiyeva, Nigar Mursal, Farzaneh Khajoei Nasab, and Amin Zeraatkar	

<i>Asplenium scolopendrium</i> L. <i>Asplenium trichomanes</i> L.	
ASPLENIACEAE	953
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Naiba P. Mehdiyeva, Valida M. Alizade, George Fayvush, and Alla Aleksanyan	
<i>Astragalus caucasicus</i> Pall. <i>Astragalus denudatus</i> Stev. <i>Astragalus</i> <i>myriacanthus</i> Boiss. <i>Astragalus oleifolius</i> DC. FABACEAE	965
Rainer W. Bussmann, Naiba P. Mehdiyeva, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, George Fayvush, and Alla Aleksanyan	
<i>Astrantia maxima</i> Pall. APIACEAE	985
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, and Lea Müller	
<i>Athyrium filix-femina</i> (L.) Roth ATHYRIACEAE	993
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, and Narel Y. Paniagua-Zambrana	
<i>Atriplex hortensis</i> L. <i>Atriplex prostrata</i> Boucher ex DC. <i>Atriplex nitens</i> Schkuhr <i>Atriplex rosea</i> L. <i>Atriplex tatarica</i> L. AMARANTHACEAE	995
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Naiba P. Mehdiyeva, Valida M. Alizade, George Fayvush, Alla Aleksanyan, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Atropa belladonna</i> L. <i>Atropa caucasica</i> Kreyer SOLANACEAE	1007
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, George Fayvush, and Alla Aleksanyan	
<i>Avena sativa</i> L. POACEAE	1013
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, George Fayvush, and Alla Aleksanyan	
<i>Averrhoa carambola</i> L. OXALIDACEAE	1021
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, and Lea Müller	

<i>Bambusa</i> sp. POACEAE	1023
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, and Lea Müller	
<i>Barbarea vulgaris</i> R. Br. BRASSICACEAE	1025
George Fayvush, Alla Aleksanyan, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Begonia rex</i> Putz. BEGONIACEAE	1029
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Berberis iberica</i> Steven <i>Berberis integerrima</i> Bunge <i>Berberis vulgaris</i> L. BERBERIDACEAE	1035
Amin Zeraatkar, Farzaneh Khajoei Nasab, Naiba P. Mehdiyeva, Valida M. Alizade, Bayzanat Ramazanovna Abakarovna, Aslan Aliev Muradalievich, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Olim K. Khojimatov, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Alla Aleksanyan, and George Fayvush	
<i>Beta vulgaris</i> L. <i>Beta vulgaris</i> L. ssp. <i>cicla</i> (L.) Moq. <i>Beta vulgaris</i> L. ssp. <i>esculenta</i> (Salisb.) Gürke var. <i>altissima</i> Rössig.	
AMARANTHACEAE	1061
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Betonica foliosa</i> Rupr. <i>Betonica officinalis</i> L. LAMIACEAE	1075
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, and Olim K. Khojimatov	
<i>Betula medwediewii</i> Regel <i>Betula megrelica</i> Sosn. <i>Betula pendula</i> <i>Roth</i> <i>Betula pubescens</i> Ehrh. <i>Betula pubescens</i> var. <i>litwinowii</i> (Doluch.) Ashburner & Mc. All. <i>Betula raddeana</i> Trautv. BETULACEAE	1083
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, George Fayvush, Alla Aleksanyan, Naiba P. Mehdiyeva, Valid M. Alizade, Nigar Mursal, and Olim K. Khojimatov	
<i>Bidens cernua</i> L. <i>Bidens tripartida</i> L. ASTERACEAE	1113
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, George Fayvush, Alla Aleksanyan, and Olim K. Khojimatov	

<i>Bilacunaria caspia</i> (DC.) Pimenov & V.N. Tikhom. <i>Bilacunaria microcarpos</i> (M. Bieb.) Pimentov & V.M. Tikhom. APIACEAE	1125
George Fayvush, Alla Aleksanyan, Naiba P. Mehdiyeva, Valida M. Alizade, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, and Lea Müller	
<i>Bistorta carnea</i> (C. Koch) Kom. <i>Bistorta officinalis</i> Delarbre POLYGONACEAE	1129
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Naiba P. Mehdiyeva, Valida M. Alizade, George Fayvush, Alla Aleksanyan, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, and Lea Müller	
<i>Borago officinalis</i> L. BORAGINACEAE	1139
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, and Seyed Hamed Moazzami Farida	
<i>Botrychium lunaria</i> (L.) Sw. OPHIOGLOSSACEAE	1147
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, and Lea Müller	
<i>Brassica campestris</i> L. <i>Brassica campestris</i> L. ssp. <i>oleifera</i> DC. <i>Brassica cretica</i> Lam. <i>Brassica juncea</i> (L.) Czern. <i>Brassica montana</i> Pourr. <i>Brassica napus</i> L. <i>Brassica nigra</i> (L.) K. Koch <i>Brassica oleracea</i> L. <i>Brassica rapa</i> L. BRASSICACEAE	1151
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Lea Müller, Manana Khutsishvili, Zaal Kikvidze, Naiba P. Mehdiyeva, and Nigar Mursal	
<i>Bromus secalinus</i> L. POACEAE	1177
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Bryonia alba</i> L. <i>Bryonia cretica</i> L. <i>Bryonia dioica</i> L. CUCURBITACEAE	1185
Farzaneh Khajoei Nasab, Amin Zeraatkar, Naiba P. Mehdiyeva, Nigar Mursal, George Fayvush, Alla Aleksanyan, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Buglossoides arvensis</i> (L.) Johnst. BORAGINACEAE	1197
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Bunias erucago</i> L. <i>Bunias orientalis</i> L. BRASSICACEAE	1199
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	

<i>Buxus colchica</i> Pojark. <i>Buxus hyrcana</i> Pojark. BUXACEAE	1209
Naiba P. Mehdiyeva, Rashad Salimov, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Lea Müller, Manana Khutsishvili, and Zaal Kikvidze	
<i>Caccinia crassifolia</i> (Vent.) C. Koch BORAGINACEAE	1217
Naiba P. Mehdiyeva, Nigar Mursal, and Rainer W. Bussmann	
<i>Calamagrostis arundinacea</i> (L.) Roth <i>Calamagrostis epigejos</i> (L.) Roth POACEAE	1219
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Calendula officinalis</i> L. ASTERACEAE	1227
Rainer W. Bussmann, Ketevan Batsatsashvili, Zaal Kikvidze, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Caltha palustris</i> L. RANUNCULACEAE	1235
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Calystegia sepium</i> (L.) R. Br. CONVULVULACEAE	1243
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Camelia sinensis</i> L. THEACEAE	1247
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, and Lea Müller	
<i>Camelina sativa</i> (L.) Crantz BRASSICACEAE	1251
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Campanula pendula</i> M.Bieb. <i>Campanula lactiflora</i> M. Bieb. <i>Campanula latifolia</i> L. <i>Campanula persicifolia</i> L. <i>Campanula rapunculoides</i> L. <i>Campanula saxifraga</i> subsp. <i>aucherii</i> (A.DC.) Ogan. <i>Campanula trachelium</i> L. CAMPANULACEAE	1253
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Campsis grandiflora</i> (Thunb.) K. Schum. BIGNONOIACEAE	1281
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Lea Müller, and Zaal Kikvidze	

<i>Canna indica</i> L. CANNACEAE	1283
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, and Lea Müller	
<i>Cannabis sativa</i> L. CANNABACEAE	1289
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Aslan Aliev Muradalievich, Gadzhi Rdzhabov Kamaludinovich, Naiba P. Mehdiyeva, Manana Khutsishvili, Zaal Kikvidze, Hamid Moazzeni, Atefeh Pirani, Khadijeh Motahhari, Ketevan Batsatsashvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Capparis sicula</i> Vieill. subsp. <i>herbacea</i> (Willd.) Inocencio, D. Rivera, Obón & Alcaraz <i>Capparis spinosa</i> L. CAPPARIDACEAE	1303
Naiba P. Mehdiyeva, Valida M. Alizade, Fazina Vagabova Askeralievna, Aslan Aliev Muradalievich, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Olim K. Khojimatov, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, George Fayvush, and Alla Aleksanyan	
<i>Capsicum annuum</i> L. SOLANACEAE	1317
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Cardamine amara</i> L. <i>Cardamine hirsuta</i> L. <i>Cardamine pratensis</i> L. BRASSICACEAE	1329
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Carex rostrata</i> Stokes <i>Carex vulpina</i> L. CYPERACEAE	1343
Naiba P. Mehdiyeva and Rainer W. Bussmann	
<i>Carpinus betulus</i> L. <i>Carpinus caucasica</i> Grossh. <i>Carpinus orientalis</i> Mill. BETULACEAE	1347
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Manana Khutsishvili, Ketevan Batsatsashvili, Lea Müller, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Naiba P. Mehdiyeva, Valida M. Alizade, George Fayvush, and Alla Aleksanyan	
<i>Carthamus tinctorius</i> L. ASTERACEAE	1359
Naiba P. Mehdiyeva, Valida M. Alizade, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Manana Khutsishvili, Ketevan Batsatsashvili, Lea Müller, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, George Fayvush, and Alla Aleksanyan	

<i>Carum carvi</i> L. <i>Carum caucasicum</i> Boiss. APIACEAE	1365
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Naiba P. Mehdiyeva, Valida M. Alizade, George Fayvush, Alla Aleksanyan, Fazina Vagabova Askeralievna, and Aslan Aliev Muradalievich	
<i>Castanea sativa</i> Mill. FAGACEAE	1379
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Naiba P. Mehdiyeva, Valida M. Alizade, George Fayvush, Alla Aleksanyan, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Catalpa bignonioides</i> Walter BIGNONIACEAE	1391
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Caucasalia macrophylla</i> (M.Bieb.) B.Nord. <i>Pojarkovia pojarkovae</i> (Schischk.) Greuter <i>Senecio polyphyllus</i> Kunze ex DC. <i>Senecio</i> <i>vulgaris</i> L. ASTERACEAE	1397
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Cedrus</i> sp. <i>Cedrus atlantica</i> (Endl.) Manetti ex Carrière <i>Cedrus</i> <i>libani</i> A. Rich. PINACEAE	1419
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Celosia argentea</i> L. AMARANTHACEAE	1431
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, and Narel Y. Paniagua-Zambrana	
<i>Celtis australis</i> L. <i>Celtis caucasica</i> Willd. <i>Celtis glabrata</i> Steven ex Planch. <i>Celtis occidentalis</i> L. CANNABACEAE	1435
Naiba P. Mehdiyeva, Valida M. Alizade, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, George Fayvush, and Alla Aleksanyan	
<i>Cenchrus americanus</i> (L.) Morrone <i>Setaria italica</i> (L.) P. Beauv. <i>Setaria viridis</i> (L.) P.Beauv. POACEAE	1445
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	

<i>Centaurea behen</i> Lam. <i>Centaurea benedicta</i> (L.) L. <i>Centaurea cyanus</i> L. <i>Centaurea iberica</i> Trevir ex Spreng. <i>Centaurea jacea</i> L. <i>Centaurea</i> <i>transcaucasica</i> subsp. <i>alexandri</i> (Bordz.) Mikheev ASTERACEAE	1459
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Olim K. Khojimatov, Keteven Batsatsashvili, Manana Khutsishvili, Naiba P. Mehdiyeva, Nigar Mursal, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Abdolbaset Ghorbani, and Somayeh Esmaeili	
<i>Centaureum erythraea</i> Rafn. <i>Centaureum pulchellum</i> (Sw.) Druce GENTIANACEAE	1485
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Keteven Batsatsashvili, Manana Khutsishvili, George Fayvush, Alla Aleksanyan, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Cephalanthera epipactoides</i> Fisch. & C.A. Mey. ORCHIDACEAE	1493
Naiba P. Mehdiyeva, Nigar Mursal, and Rainer W. Bussmann	
<i>Cephalaria gigantea</i> (Ledeb.) Bobrov CAPRIFOLIACEAE	1497
Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, George Fayvush, Alla Aleksanyan, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Cephalotaxus harringtonii</i> (Knight ex J. Forbes) K. Koch TAXACEAE . . .	1501
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Cercis siliquastrum</i> L. FABACEAE	1505
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, and Narel Y. Paniagua-Zambrana	
<i>Cerinthe minor</i> L. BORAGINACEAE	1507
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Chaerophyllum aureum</i> L. <i>Chaerophyllum bulbosum</i> L. <i>Chaerophyllum</i> <i>hirsutum</i> L. <i>Chaerophyllum temulum</i> L. APIACEAE	1511
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Keteven Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Aslan Aliev Muradalievich, Maxim Mallaliev Mallalievich, Naiba P. Mehdiyeva, Nigar Mursal, George Fayvush, and Alla Aleksanyan	
<i>Chelidonium majus</i> L. PAPAVERACEAE	1529
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Keteven Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Naiba P. Mehdiyeva, Valida M. Alizade, Aslan Aliev Muradalievich, Gadzhi Rdzhabov Kamaludinovich, George Fayvush, and Alla Aleksanyan	

<i>Chenopodium album</i> L. <i>Chenopodium bonus-henricus</i> L. <i>Chenopodium botrys</i> L. <i>Chenopodium foliosum</i> Asch. <i>Chenopodium polyspermum</i> L. <i>Chenopodium urbicum</i> L.	
AMARANTHACEAE	1537
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, George Fayvush, and Alla Aleksanyan	
<i>Chorazophora tinctoria</i> (L.) A. Juss EUPHORBIACEAE	1559
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, and Lea Müller	
<i>Chrysojasminum fruticans</i> (L.) Banif. OLEACEAE	1561
Rainer W. Bussmann and Narel Y. Paniagua-Zambrana	
Volume 3	
<i>Cicer arietinum</i> L. FABACEAE	1567
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Naiba P. Mehdiyeva, Nigar Mursal, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Cichorium intybus</i> L. ASTERACEAE	1573
Naiba P. Mehdiyeva, Valida M. Alizade, George Fayvush, Alla Aleksanyan, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Hamid Moazzeni, Atefeh Pirani, Khadijeh Motahhari, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, and Olim K. Khojimatov	
<i>Circaea lutetiana</i> L. ONAGRACEAE	1593
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Cirsium arvense</i> (L.) Scop. <i>Cirsium incanum</i> (S.G. Gmel.) Fisch. ex M. Bieb. <i>Cirsium vulgare</i> L. ASTERACEAE	1599
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, George Fayvush, Alla Aleksanyan, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Naiba P. Mehdiyeva, and Valida M. Alizade	
<i>Cistus salvifolius</i> L. CISTACEAE	1627
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, and Zaal Kikvidze	
<i>Citrullus lanatus</i> (Thunb.) Matsum. & Nakai CUCURBITACEAE	1635
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Naiba P. Mehdiyeva, and Rashad Salimov	

<i>Citrus limon</i> (L.) Burm. f. <i>Citrus medica</i> L. <i>Citrus reticulata</i> Blanco <i>Citrus sinensis</i> Osbeck <i>Citrus unshiu</i> Marcov. <i>Citrus x paradisi</i> Macfad. RUTACEAE	1647
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Lea Müller, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Cladochaeta candidissima</i> DC. ASTERACEAE	1673
Naiba P. Mehdiyeva, Rainer W. Bussmann, Lea Müller, George Fayvush, and Alla Aleksanyan	
<i>Clematis recta</i> L. <i>Clematis vitalba</i> L. RANUNCULACEAE	1677
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, George Fayvush, and Alla Aleksanyan	
<i>Clinopodium alpinum</i> Kuntze <i>Clinopodium macranthum</i> (Makino) Hara <i>Satureja hortensis</i> L. <i>Satureja laxiflora</i> K. Koch <i>Satureja mutica</i> Fisch. et Mey. <i>Satureja spicigera</i> (C. Koch) Boiss. LAMIACEAE	1685
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, George Fayvush, Alla Aleksanyan, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Naiba P. Mehdiyeva, Valida M. Alizade, Rashad Salimov, Ziyarat Guseynova Agamirzoevna, and Aslan Aliev Muradalievich	
<i>Clinopodium nepeta</i> (L.) Kuntze <i>Clinopodium vulgare</i> L. LAMIACEAE	1701
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Manana Khutsishvili, Ketevan Batsatsashvili, Lea Müller, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Naiba P. Mehdiyeva, and Valida M. Alizade	
<i>Coffea arabica</i> L. RUBIACEAE	1709
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, and Lea Müller	
<i>Colchicum autumnale</i> L. <i>Colchicum trigynum</i> (Steven ex Adams) Stearn COLCHICACEAE	1717
Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, George Fayvush, and Alla Aleksanyan	
<i>Colutea arborescens</i> L. <i>Colutea armena</i> Boiss. et Huet <i>Colutea cilicica</i> Boiss. et Bal. <i>Colutea orientalis</i> Mill. FABACEAE	1727
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	

<i>Comarum palustre</i> L. ROSACEAE	1733
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Commelina communis</i> L. COMMELINACEAE	1737
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Conium maculatum</i> L. APIACEAE	1745
Aslan Aliev Muradalievich, Ziyarat Guseynova Agamirzoevna, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Consolida orientalis</i> (J. Gray) Schroding. <i>Consolida paniculata</i> (Host) Schur RANUNCULACEAE	1751
Naiba P. Mehdiyeva, Valida M. Alizade, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Manana Khutsishvili, George Fayvush, and Alla Aleksanyan	
<i>Convallaria majalis</i> L. ASPARAGACEAE	1757
Naiba P. Mehdiyeva, Valida M. Alizade, and Rainer W. Bussmann	
<i>Convolvulus arvensis</i> L. <i>Convolvulus lineatus</i> L. <i>Convolvulus persicus</i> L. CONVULVULACEAE	1763
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Cordia myxa</i> L. BORAGINACEAE	1775
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Seyed Hamed Moazzami Farida, Abdolbaset Ghorbani, and Lea Müller	
<i>Coriandrum sativum</i> L. APIACEAE	1785
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Seyed Hamed Moazzami Farida, and Abdolbaset Ghorbani	
<i>Cornus mas</i> L. <i>Cornus sanguinea</i> L. <i>Cornus sanguinea</i> subsp. <i>australis</i> (C.A.Mey.) Jav. CORNACEAE	1795
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Naiba P. Mehdiyeva, Valida M. Alizade, George Fayvush, Alla Aleksanyan, Bayzanat Ramazanova Abakarovna, and Aslan Aliev Muradalievich	

<i>Coronilla varia</i> L. FABACEAE	1811
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, and Lea Müller	
<i>Corylus avellana</i> L. <i>Corylus avellana</i> var. <i>pontica</i> (K.Koch) H.J.P. Winkl. <i>Corylus colchica</i> Albov. <i>Corylus colurna</i> L.	
BETULACEAE	1817
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Naiba P. Mehdiyeva, Valida M. Alizade, Rashad Salimov, Nigar Mursal, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Aslan Aliev Muradalievich, George Fayvush, and Alla Aleksanyan	
<i>Cotinus coggygria</i> Scop. ANACARDIACEAE	1835
Naiba P. Mehdiyeva, Valida M. Alizade, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Manana Khutsishvili, George Fayvush, and Alla Aleksanyan	
<i>Cotoneaster multiflorus</i> Bunge <i>Cotoneaster nummularius</i> Fisch. & C.A.Mey. <i>Cotoneaster racemiflora</i> (Desf.) C. Koch <i>Cotoneaster</i> <i>uniflorus</i> Bunge ROSACEAE	1839
Farzaneh Khajoei Nasab, Amin Zeraatkar, Naiba P. Mehdiyeva, Rashad Salimov, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, and Inesa Maisaia	
<i>Cousinia macrocephala</i> C.A.Mey ASTERACEAE	1849
Naiba P. Mehdiyeva, Valida M. Alizade, Rashad Salimov, Nigar Mursal, and Rainer W. Bussmann	
<i>Crataegus caucasica</i> K. Koch <i>Crataegus curvisepala</i> Lindm. <i>Crataegus kyrtostyla</i> Fingerh. <i>Crataegus microphylla</i> C. Koch <i>Crataegus monogyna</i> Jacq. <i>Crataegus nigra</i> Waldst. & Kit. <i>Crataegus</i> <i>orientalis</i> Pall. ex Bieb. <i>Crataegus pentagyna</i> Waldst. <i>Crataegus</i> <i>pontica</i> C. Koch ROSACEAE	1851
Amin Zeraatkar, Farzaneh Khajoei Nasab, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Olim K. Khojimatov, Manana Khutsishvili, Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, Aslan Aliev Muradalievich, George Fayvush, Alla Aleksanyan, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, and Inesa Maisaia	
<i>Crepis ciliata</i> K.Koch. <i>Crepis foetida</i> ssp. <i>rhoeadifolia</i> (M. Bieb.) Celak <i>Crepis froelichiana</i> DC. ex Froel. <i>Crepis sancta</i> (L.) Babc. <i>Crepis sibirica</i> L. ASTERACEAE	1883
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	

<i>Crocus sativus</i> L. <i>Crocus speciosus</i> M. Bieb. IRIDACEAE	1903
Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, Hamid Moazzeni, Atefeh Pirani, Khadijeh Motahhari, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, George Fayvush, and Alla Aleksanyan	
<i>Cruciata glabra</i> (L.) Opiz RUBIACEAE	1917
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Naiba P. Mehdiyeva	
<i>Cryptomeria japonica</i> (Thunb. ex L. f.) D. Don CUPRESSACEAE	1921
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, and Lea Müller	
<i>Cucumis melo</i> L. <i>Cucumis sativus</i> L. CUCURBITACEAE	1925
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Naiba P. Mehdiyeva, and Nigar Mursal	
<i>Cucurbita maxima</i> L. <i>Cucurbita moschata</i> Duchş ex Poir. <i>Cucurbita pepo</i> L. <i>Cucurbita pepo</i> L. var. <i>giromontia</i> <i>Cucurbita pepo</i> L. var. <i>patisson</i> CUCURBITACEAE	1937
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Naiba P. Mehdiyeva, Nigar Mursal, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, and Olim K. Khojimatov	
<i>Cullen drupaceum</i> (Bunge) C.H.Stirt. <i>Kartalinia acaulis</i> (Hoffm.) Brullo, C.Brullo, Cambria, Acar, Salmeri & Giusso FABACEAE	1951
Olim K. Khojimatov, Z. Z. Kosimov, Rainer W. Bussmann, and Narel Y. Paniagua-Zambrana	
<i>Cuminum cyminum</i> L. APIACEAE	1957
Naiba P. Mehdiyeva, Valida M. Alizade, Rashad Salimov, Nigar Mursal, and Rainer W. Bussmann	
<i>Cuscuta europaea</i> L. CONVULVULACEAE	1959
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, and Narel Y. Paniagua-Zambrana	
<i>Cyclamen elegans</i> Boiss. et Buhse <i>Cyclamen coum</i> subsp. <i>caucasicum</i> (K.Koch) O.Schwarz <i>Cyclamen vernal</i> Sweet PRIMULACEAE	1965
Naiba P. Mehdiyeva, Valida M. Alizade, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Manana Khutsishvili, Ketevan Batsatsashvili, Lea Müller, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, George Fayvush, and Alla Aleksanyan	

<i>Cydonia oblonga</i> L. ROSACEAE	1973
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Cynara cardunculus</i> L. ASTERACEAE	1983
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Cynodon dactylon</i> (L.) Pers. POACEAE	1993
Amin Zeraatkar, Farzaneh Khajoei Nasab, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Cynoglossum officinale</i> L. BORAGINACEAE	1999
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, and Zaal Kikvidze	
<i>Cyperus badius</i> Poir. <i>Cyperus longus</i> L. <i>Cyperus rotundus</i> L. CYPERACEAE	2009
Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, Rainer W. Bussmann, and Narel Y. Paniagua-Zambrana	
<i>Cystopteris fragilis</i> (L.) Bernh. ASPLENIACEAE	2021
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Dactyloctenium aegypticum</i> (L.) Willd. <i>Dactyloctenium giganteum</i> B.S. Fischer & Schweick. POACEAE	2025
Rainer W. Bussmann and Narel Y. Paniagua-Zambrana	
<i>Dactylorhiza urvilleana</i> (Steud.) H. Baumann & Künkele ORCHIDACEAE	2029
Aslan Aliev Muradalievich, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Naiba P. Mehdiyeva, and Nigar Mursal	
<i>Danae racemosa</i> (L.) Moench <i>Ruscus colchicus</i> Yeo <i>Ruscus hyrcanus</i> Woron. <i>Ruscus hypophyllum</i> L. ASPARAGACEAE	2047
Naiba P. Mehdiyeva, Valida M. Alizade, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	

<i>Daphne caucasica</i> Pall. <i>Daphne glomerata</i> L. <i>Daphne mezereum</i> L. <i>Daphne pontica</i> L. THYMELEACEAE	2055
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, George Fayvush, Alla Aleksanyan, Naiba P. Mehdiyeva, and Valida M. Alizade	
<i>Datisca cannabina</i> L. DATISCEAE	2075
Naiba P. Mehdiyeva, Valida M. Alizade, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, and Manana Khutsishvili	
<i>Datura stramonium</i> L. SOLANACEAE	2079
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Naiba P. Mehdiyeva, Nigar Mursal, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Seyed Hamed Moazzami Farida, Abdolbaset Ghorbani, and Olim K. Khojimatov	
<i>Daucus carota</i> L. APIACEAE	2095
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Delphinium consolida</i> L. <i>Delphinium flexuosum</i> M. Bieb. <i>Delphinium szowitsianum</i> Boiss. RANUNCULACEAE	2107
Naiba P. Mehdiyeva, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, George Fayvush, and Alla Aleksanyan	
<i>Descurainia sophia</i> (L.) Schur. BRASSICACEAE	2115
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Farzaneh Khajoei Nasab, Abdolbaset Ghorbani, Ketevan Batsatsashvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Dianthus armeria</i> L. <i>Dianthus caryophyllus</i> L. <i>Dianthus chinensis</i> L. <i>Dianthus orientalis</i> Adams <i>Dianthus superbus</i> L. CARYOPHYLLACEAE	2121
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, and Zaal Kikvidze	
<i>Digitalis ferruginea</i> L. <i>Digitalis nervosa</i> Steud. et Hochst. ex Benth <i>Digitalis purpurea</i> L. PLANTAGINACEAE	2137
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, George Fayvush, Alla Aleksanyan, Manana Khutsishvili, and Zaal Kikvidze	
<i>Digitaria sanguinalis</i> (L.) Scop. POACEAE	2147
Naiba P. Mehdiyeva, Rashad Salimov, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	

<i>Dioscorea communis</i> (L.) Caddick & Wilkin DIOSCOREACEAE	2153
Naiba P. Mehdiyeva, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Diospyros lotus</i> L. <i>Diospyros virginiana</i> L. EBENACEAE	2165
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, George Fayvush, Alla Aleksanyan, Naiba P. Mehdiyeva, Valida M. Alizade, Rashad Salimov, Nigar Mursal, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Dipsacus dipsacoides</i> (Kar. & Kir.) Botsch. <i>Dipsacus fullonum</i> L. <i>Dipsacus laciniatus</i> L. <i>Dipsacus sativus</i> (L.) Honck CAPRIFOLIACEAE	2173
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Dorema ammoniacum</i> D. Don APIACEAE	2179
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Lea Müller, Seyed Hamed Moazzami Farida, and Abdolbaset Ghorbani	
<i>Doronicum macrophyllum</i> Fisch. ASTERACEAE	2183
Naiba P. Mehdiyeva, Valida M. Alizade, Rainer W. Bussmann, and Narel Y. Paniagua-Zambrana	
<i>Dryopteris carthusiana</i> (Vill.) H.P. <i>Dryopteris filix-mas</i> (L.) Schott. <i>Dryopteris oreades</i> Fomin DRYOPTERIDACEAE	2189
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Naiba P. Mehdiyeva, Valida M. Alizade, George Fayvush, and Alla Aleksanyan	
<i>Duchesnea indica</i> (Andrews) Teschem ROSACEAE	2203
Hammad Ahmad Jan, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Dysphania ambrosioides</i> (L.) Mosyakin & Clemants AMARANTACEAE . . .	2209
Naiba P. Mehdiyeva, Nigar Mursal, and Rainer W. Bussmann	
<i>Ecballium elaterium</i> (L.) A. Rich. CUCURBITACEAE	2219
Naiba P. Mehdiyeva, Valida M. Alizade, Narel Y. Paniagua-Zambrana, and Rainer W. Bussmann	
<i>Echinacea purpurea</i> (L.) Moench ASTERACEAE	2223
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	

<i>Echinops</i> sp. L. ASTERACEAE	2227
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Echium amoenum</i> Fisch & C.A. Mey <i>Echium italicum</i> L. <i>Echium maculatum</i> L. <i>Echium rubrum</i> Jacq. <i>Echium vulgare</i> L.	
BORAGINACEAE	2231
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Amin Zeraatkar, Farzaneh Khajoei Nasab, Aslan Aliev Muradalievich, Naiba P. Mehdiyeva, Valida M. Alizade, George Fayvush, Alla Aleksanyan, Manana Khutsishvili, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, and Inesa Maisaia	
<i>Elaeagnus angustifolia</i> L. ELAEAGNACEAE	2251
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Olim K. Khojimatov, Naiba P. Mehdiyeva, Nigar Mursal, George Fayvush, Alla Aleksanyan, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Elettaria cardamomum</i> (L.) Maton ZINGIBERACEAE	2263
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Elwendia persica</i> (Boiss.) Pimenov & Kljuykov APIACEAE	2267
Olim K. Khojimatov, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, and Seyed Hamed Moazzami Farida	
<i>Elymus repens</i> (L.) Gould. POACEAE	2273
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, George Fayvush, Alla Aleksanyan, Manana Khutsishvili, and Zaal Kikvidze	
<i>Empetrum hermaphroditum</i> Hagerup <i>Empetrum nigrum</i> L.	
ERICACEAE	2281
George Fayvush, Alla Aleksanyan, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Ephedra distachya</i> L. <i>Ephedra procera</i> C.A. Mey EPHEDRACEAE	2287
Naiba P. Mehdiyeva, Nigar Mursal, Olim K. Khojimatov, Rainer W. Bussmann, and Narel Y. Paniagua-Zambrana	
<i>Epigaea gaultherioides</i> Takht. ERICACEAE	2303
Rainer W. Bussmann and Narel Y. Paniagua-Zambrana	

<i>Epilobium angustifolium</i> L. <i>Epilobium collinum</i> C. C. Gmelin <i>Epilobium hirsutum</i> L. <i>Epilobium montanum</i> L. <i>Epilobium palustre</i> L. <i>Epilobium parviflorum</i> Schreber ONAGRACEAE	2305
George Fayvush, Alla Aleksanyan, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Equisetum arvense</i> L. <i>Equisetum hymenale</i> L. <i>Equisetum sylvaticum</i> L. <i>Equisetum telmateia</i> Ehrh. EQUISETACEAE	2319
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Amin Zeraatkar, Farzaneh Khajoei Nasab, and Olim K. Khojimatov	
<i>Eremurus regelii</i> Vved. <i>Eremurus spectabilis</i> M. Bieb. ASPARGACEAE	2345
Naiba P. Mehdiyeva, Valida M. Alizade, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Olim K. Khojimatov, George Fayvush, and Alla Aleksanyan	
<i>Erigeron annuus</i> (L.) Desf. <i>Erigeron canadensis</i> L. ASTERACEAE	2353
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Eriobotrya japonica</i> (Thunb.) Lindl. ROSACEAE	2363
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Erodium cicutarium</i> (L.) L'Hér. ex Aiton GERANIACEAE	2371
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Eruca vesicaria</i> (L.) Cav. BRASSICACEAE	2377
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Eryngium biebersteinianum</i> Nevski <i>Eryngium caeruleum</i> M.Bieb. <i>Eryngium nigromontanum</i> Boiss. et Buhse APIACEAE	2385
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Erysimum cheiri</i> (L.) Crantz BRASSICACEAE	2395
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	

***Eucalyptus saligna* Sm. MYRTACEAE 2399**

Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze,
Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia,
Shalva Sikharulidze, and Davit Tchelidze

***Euonymus europaeus* L. *Euonymus latifolius* (L.) Mill. *Euonymus verrucosus* Scop. CELASTRACEAE 2409**

Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili,
and Zaal Kikvidze

***Eupatorium cannabinum* L. ASTERACEAE 2419**

Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann,
Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze

***Euphorbia allepica* L. *Euphorbia amygdaloides* L. *Euphorbia boissieriana* (Woronow) Prokh. *Euphorbia esula* L. *Euphorbia glareosa* Pall. ex Bieb. *Euphorbia iberica* Boiss. *Euphorbia macroceras* Fisch. & C.A. Mey. *Euphorbia macroclada* Boiss. *Euphorbia marschalliana* Boiss. *Euphorbia sequieriana* Neck. EUPHORBIACEAE 2425**

Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze,
Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, Rashad Salimov,
Ketevan Batsatsashvili, Manana Khutsishvili, Lea Müller, Inesa Maisaia,
Shalva Sikharulidze, Davit Tchelidze, George Fayvush, and
Alla Aleksanyan

Volume 4***Fagopyrum esculentum* Moench *Fagopyrum tataricum* (L.) Gaertn. POLYGONACEAE 2465**

Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze,
Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia,
Shalva Sikharulidze, and Davit Tchelidze

***Fagus orientalis* Lipsky, *Fagus sylvatica* L. FAGACEAE 2471**

Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze,
Ketevan Batsatsashvili, Manana Khutsishvili, George Fayvush,
Alla Aleksanyan, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze,
Naiba P. Mehdiyeva, and Valida M. Alizade

***Falcaria sioides* Asch. *Falcaria vulgaris* Bernh. APIACEAE 2485**

Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze,
Manana Khutsishvili, Ketevan Batsatsashvili, Lea Müller,
Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia,
George Fayvush, Alla Aleksanyan, Naiba P. Mehdiyeva,
Valida M. Alizade, and Nigar Mursal

***Fallopia convolvulus* (L.) A.Löve POLYGONACEAE 2493**

Naiba P. Mehdiyeva, Nigar Mursal, and Rainer W. Bussmann

<i>Feijoa sellowiana</i> (O. Berg.) Burret MYRTACEAE	2495
Naiba P. Mehdiyeva, Rashad Salimov, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, and Lea Müller	
<i>Ferula assa-foetida</i> L. APIACEAE	2499
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Olim K. Khojimatov, Seyed Hamed Moazzami Farida, and Abdolbaset Ghorbani	
<i>Festuca djimilensis</i> Boiss. & Balansa <i>Festuca varia</i> Haenke POACEAE	2515
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Ficus carica</i> L. MORACEAE	2523
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, George Fayvush, Alla Aleksanyan, Amin Zeraatkar, Farzaneh Khajoei Nasab, Hamid Moazzeni, Atefeh Pirani, Khadijeh Motahhari, Olim K. Khojimatov, and Naiba P. Mehdiyeva	
<i>Filipendula ulmaria</i> (L.) Mill. <i>Filipendula vulgaris</i> Moench ROSACEAE	2545
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Naiba P. Mehdiyeva, Valida M. Alizade, Manana Khutsishvili, George Fayvush, Alla Aleksanyan, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Foeniculum vulgare</i> Mill. APIACEAE	2553
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Seyed Hamed Moazzami Farida, and Abdolbaset Ghorbani	
<i>Fragaria moschata</i> Duchesne ex Weston <i>Fragaria vesca</i> L. <i>Fragaria viridis</i> Duch. <i>Fragaria x ananassana</i> Duchesne ex Rozier ROSACEAE	2563
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Naiba P. Mehdiyeva, George Fayvush, and Alla Aleksanyan	
<i>Frangula alnus</i> Miller <i>Rhamnus cathartica</i> L. <i>Rhamnus imeretina</i> Booth, Petz. & G.Kirchn. RHAMNACEAE	2585
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Olim K. Khojimatov, Naiba P. Mehdiyeva, and Nigar Mursal	

<i>Fraxinus angustifolia</i> Vahl <i>Fraxinus excelsior</i> L. <i>Fraxinus ornus</i> L. <i>Fraxinus oxycarpa</i> M. Bieb. ex Willd. OLEACEAE	2601
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Lea Müller, Naiba P. Mehdiyeva, Nigar Mursal, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Valida M. Alizade, Rashad Salimov, George Fayvush, and Alla Aleksanyan	
<i>Fritillaria collina</i> Adams LILIACEAE	2615
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, George Fayvush, and Alla Aleksanyan	
<i>Froriepia subpinnata</i> (Ldb.) Bail. APIACEAE	2623
Naiba P. Mehdiyeva, Valida M. Alizade, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, George Fayvush, and Alla Aleksanyan	
<i>Fumaria officinalis</i> L. <i>Fumaria schleicheri</i> Soy-Will. <i>Fumaria</i> <i>vaillantii</i> Loisl. PAPAVERACEAE	2625
Naiba P. Mehdiyeva, Nigar Mursal, Hamid Moazzeni, Atefeh Pirani, Khadijeh Motahhari, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, and Inesa Maisaia	
<i>Gagea</i> sp. LILIACEAE	2635
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, and Manana Khutsishvili	
<i>Galanthus alpinus</i> Sosnowsky var. <i>alpinus</i> <i>Galanthus woronowii</i> <i>Losinsk.</i> AMARYLLIDACEAE	2645
Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Galega officinalis</i> L. <i>Galega orientalis</i> Lam. FABACEAE	2651
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Galium album</i> Mill. <i>Galium boreale</i> L. <i>Galium cruciata</i> (L.) Scop. <i>Galium odoratum</i> Scop. <i>Galium rotundifolium</i> L. <i>Galium rubioides</i> Lam. <i>Galium tricornutum</i> D'Andy <i>Galium vaillantii</i> DC. <i>Galium</i> <i>verum</i> L. GERANIACEAE	2661
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Lea Müller, Naiba P. Mehdiyeva, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	

<i>Genista patula</i> M. Bieb. <i>Genista tinctoria</i> L. <i>Genista transcaucasica</i> Schischk. FABACEAE	2687
Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, George Fayvush, and Alla Aleksanyan	
<i>Gentiana asclepiadea</i> L. <i>Gentiana cruciata</i> L. <i>Gentiana lutea</i> L. <i>Gentiana pneumonanthe</i> L. <i>Gentiana septemfida</i> Pall. <i>Gentiana umbellata</i> L. GENTIANACEAE	2695
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, George Fayvush, Alla Aleksanyan, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Geranium dissectum</i> L. <i>Geranium ibericum</i> Cav. <i>Geranium macrorrhizum</i> L. <i>Geranium molle</i> L. <i>Geranium palustre</i> L. <i>Geranium robertianum</i> L. <i>Geranium sanguineum</i> L. <i>Geranium sibiricum</i> L. <i>Geranium sylvaticum</i> L. <i>Geranium tuberosum</i> L. GERANIACEAE	2731
Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Geum rivale</i> L. <i>Geum urbanum</i> L. ROSACEAE	2761
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Naiba P. Mehdiyeva, Nigar Mursal, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Gladiolus communis</i> L. IRIDACEAE	2771
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, and Narel Y. Paniagua-Zambrana	
<i>Glaucium corniculatum</i> (L.) Curt. <i>Glaucium flavum</i> Crantz PAPAVERACEAE	2779
Naiba P. Mehdiyeva, Nigar Mursal, and Rainer W. Bussmann	
<i>Glebionis coronaria</i> (L.) Cass. ex Spach <i>Glebionis segetum</i> (L.) Fourr. ASTERACEAE	2783
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Glechoma hederacea</i> L. LAMIACEAE	2789
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Gleditsia caspica</i> Desf. FABACEAE	2793
Naiba P. Mehdiyeva, Valida M. Alizade, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	

<i>Glycine max</i> (L.) Merr. FABACEAE	2799
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Glycyrrhiza echinata</i> L. <i>Glycyrrhiza glabra</i> L. FABACEAE	2805
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Olim K. Khojimatov, Aslan Aliev Muradalievich, Gadzhi Rdzhabov Kamaludinovich, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, George Fayvush, Alla Aleksanyan, Naiba P. Mehdiyeva, Valida M. Alizade, Rashad Salimov, and Nigar Mursal	
<i>Gossypium barbadense</i> L. MALVACEAE	2817
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Grossularia reclinata</i> (L.) Mill. GROSSULARIACEAE	2825
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, George Fayvush, Alla Aleksanyan, Manana Khutsishvili, and Zaal Kikvidze	
<i>Gundelia tournefortii</i> L. ASTERACEAE	2829
Farzaneh Khajoei Nasab, Amin Zeraatkar, and Rainer W. Bussmann	
<i>Gypsophila bicolor</i> Freyn <i>Gypsophila elegans</i> M. Bieb. CARYOPHYLLACEAE	2835
Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, Rashad Salimov, and Rainer W. Bussmann	
<i>Halimodendron halodendron</i> (Pall.) Druce FABACEAE	2841
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Hedera colchica</i> (K. Koch) K. Koch <i>Hedera helix</i> L. ARALIACEAE	2843
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Lea Müller, Naiba P. Mehdiyeva, Valida M. Alizade, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Hedysarum formosum</i> Fisch. et May ex Basiner FABACEAE	2853
Naiba P. Mehdiyeva, Nigar Mursal, and Rainer W. Bussmann	
<i>Helianthemum ledifolium</i> (L.) Mill CISTACEAE	2855
Naiba P. Mehdiyeva, Nigar Mursal, and Rainer W. Bussmann	
<i>Helianthus annuus</i> L. <i>Helianthus tuberosus</i> L. ASTERACEAE	2861
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, George Fayvush, and Alla Aleksanyan	

<i>Helichrysum arenarium</i> (L.) Moench <i>Helichrysum graveolens</i> (M. Bieb.) Sweet <i>Helichrysum italicum</i> (Roth) G. Don <i>Helichrysum rubicundum</i> (C. Koch) Bornm. ASTERACEAE	2871
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Olim K. Khojimatov, George Fayvush, Alla Aleksanyan, Naiba P. Mehdiyeva, Valida M. Alizade, Rashad Salimov, Nigar Mursal, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Heliotropium europaeum</i> L. BORAGINACEAE	2885
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Helleborus caucasicus</i> R. Br. <i>Helleborus niger</i> L. <i>Helleborus purpurascens</i> Waldst. et Kit. RANUNCULACEAE	2889
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Heracleum alpinum</i> L. <i>Heracleum antasiaticum</i> Manden. <i>Heracleum apiifolium</i> Boiss <i>Heracleum grandiflorum</i> Steven ex M. Bieb. <i>Heracleum leskovii</i> Grossh. <i>Heracleum mantegazzianum</i> Sommier & Levier <i>Heracleum persicum</i> Desf. ex Fisch. <i>Heracleum sibiricum</i> L. <i>Heracleum sosnowskyi</i> Manden. <i>Heracleum spondylium</i> L. <i>Heracleum spondylium</i> ssp. <i>transylvanicum</i> (Schur) Brummitt <i>Heracleum villosum</i> (Hoffm.) Fisch. ex Spreng. <i>Heracleum wilhelmsii</i> Fisch. & Ave-Lall. APIACEAE	2897
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Ziyarat Guseynova Agamirzoevna, Gadzhi Rdzhabov Kamaludinovich, Aslan Aliev Muradalievich, George Fayvush, Alla Aleksanyan, Naiba P. Mehdiyeva, and Valida M. Alizade	
<i>Hibiscus rosa-sinensis</i> L. <i>Hibiscus trionum</i> L. MALVACEAE	2927
Naiba P. Mehdiyeva, Nigar Mursal, Narel Y. Paniagua-Zambrana, and Rainer W. Bussmann	
<i>Hieracium umbellatum</i> L. ASTERACEAE	2939
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Hippophae rhamnoides</i> L. ELAEAGNACEAE	2953
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Olim K. Khojimatov, Ketevan Batsatsashvili, Manana Khutsishvili, George Fayvush, Alla Aleksanyan, Naiba P. Mehdiyeva, Valida M. Alizade, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	

<i>Hordeum murinum</i> L. <i>Hordeum violaceum</i> Boiss. & Huet <i>Hordeum vulgare</i> L. <i>Hordeum vulgare</i> ssp. <i>vulgare</i> var. <i>coelestre</i> POACEAE	2965
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Amin Zeraatkar, Farzaneh Khajoei Nasab, Naiba P. Mehdiyeva, and Nigar Mursal	
<i>Humulus lupulus</i> L. CANNABACEAE	2981
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Naiba P. Mehdiyeva, Nigar Mursal, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Hyperzia selago</i> (L.) Bernh. ex Schrank et C. Mart. LYCOPODIACEAE	2991
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Hylotelephium maximum</i> (L.) Holub <i>Hylotelephium maximum</i> subsp. <i>ruprechtii</i> (Jalas) Dostál <i>Sedum acre</i> L. <i>Sedum caucasicum</i> Boriss. <i>Sedum spurium</i> M.Bieb., <i>Sedum stoloniferum</i> S.G.Gmel. CRASSULACEAE	2995
Naiba P. Mehdiyeva, Valida M. Alizade, Rashad Salimov, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Lea Müller, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, George Fayvush, Alla Aleksanyan, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Hyoscyamus niger</i> L. <i>Hyoscyamus reticulatus</i> L. SOLANACEAE	3021
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, George Fayvush, Alla Aleksanyan, Amin Zeraatkar, Farzaneh Khajoei Nasab, Naiba P. Mehdiyeva, and Nigar Mursal	
<i>Hypericum androsaemum</i> L. <i>Hypericum bithynicum</i> Boiss <i>Hypericum perforatum</i> L. HYPERICACEAE	3033
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Lea Müller, Naiba P. Mehdiyeva, Nigar Mursal, Rashad Salimov, George Fayvush, Alla Aleksanyan, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Hyssopus angustifolius</i> Juss. <i>Hyssopus officinalis</i> L. LAMIACEAE	3057
Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, Rainer W. Bussmann, and Lea Müller	
<i>Ilex colchica</i> Pojark AQUIFOLIACEAE	3061
Manana Khutsishvili, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, and Zaal Kikvidze	

<i>Impatiens balsamina</i> L. <i>Impatiens noli-tangere</i> L. <i>Impatiens parviflora</i> DC. BALSAMIACEAE	3071
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Inula britannica</i> L. <i>Inula helenium</i> L. <i>Inula orientalis</i> Lam. ASTERACEAE	3081
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Manana Khutsishvili, Ketevan Batsatsashvili, Olim K. Khojimatov, Naiba P. Mehdiyeva, Valida M. Alizade, George Fayvush, Alla Aleksanyan, Lea Müller, Shalva Sikharulidze, Davit Tchelidze, and Inesa Maisaia	
<i>Iris pseudacorus</i> L. IRIDACEAE	3101
George Fayvush, Alla Aleksanyan, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Naiba P. Mehdiyeva, and Valida M. Alizade	
<i>Isatis tinctoria</i> L. BRASSICACEAE	3113
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, George Fayvush, and Alla Aleksanyan	
<i>Juglans mandshurica</i> Maxim. <i>Juglans regia</i> L. JUGLANDACEAE	3119
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Olim K. Khojimatov, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, George Fayvush, Alla Aleksanyan, Naiba P. Mehdiyeva, Valida M. Alizade, Rashad Salimov, Nigar Mursal, Amin Zeraatkar, Farzaneh Khajoei Nasab, Hamid Moazzeni, Atefeh Pirani, Khadijeh Motahhari, Fatima Islamova Islamovna, Gadzhi Rdzhabov Kamaludinovich, and Aslan Aliev Muradalievich	
<i>Juncus acutus</i> L. <i>Juncus articulatus</i> L. <i>Juncus effusus</i> L. JUNCACEAE	3151
Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, George Fayvush, and Alla Aleksanyan	
<i>Juniperus communis</i> L. <i>Juniperus depressa</i> Raf. ex M'Murtrie <i>Juniperus excelsa</i> M. Bieb. <i>Juniperus foetidissima</i> Willd. <i>Juniperus hemisphaerica</i> C.Presl <i>Juniperus oblonga</i> Bieb. <i>Juniperus oxycedrus</i> L. <i>Juniperus rufescens</i> Link. <i>Juniperus sabina</i> L. CUPRESSACEAE	3169
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Olim K. Khojimatov, Amin Zeraatkar, Farzaneh Khajoei Nasab, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, George Fayvush, and Alla Aleksanyan	

<i>Kartalinia acaulis</i> (Hoffm.) Brullo, C.Brullo, Cambria, Acar, Salmeri & Giusso	FABACEAE	3203
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller		
<i>Kickxia caucasica</i> (Mussin) Kuprian.	PLANTAGINACEAE	3205
Naiba P. Mehdiyeva, Rashad Salimov, and Rainer W. Bussmann		
<i>Klasea quinquefolia</i> (Willd.) Greuter & Wagenitz	<i>Serratula coronata</i> L. ASTERACEAE	3209
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze		
<i>Knautia arvensis</i> (L.) Coult.	CAPRIFOLIACEAE	3215
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze		
<i>Koenigia coriaria</i> (Grig.) T.M.Schust. & Reveal	POLYGONACEAE	3221
Olim K. Khojimatov, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, and Zaal Kikvidze		
<i>Kohlruschia prolifera</i> (L.) Kunth	CARYOPHYLLACEAE	3229
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, and Lea Müller		
<i>Kosteletzkya pentacarpos</i> (L.) Ledeb.	MALVACEAE	3231
Naiba P. Mehdiyeva, Nigar Mursal, and Rainer W. Bussmann		
Volume 5		
<i>Lactuca sativa</i> L. <i>Lactuca serriola</i> L.	ASTERACEAE	3235
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, George Fayvush, Alla Aleksanyan, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze		
<i>Lagenaria siceraria</i> (Molina) Standl.	CUCURBITACEAE	3253
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze		
<i>Lagochilus gypsaceus</i> Vved. <i>Lagochilus plagyacanthus</i> Rupr. <i>Lagochilus platycalyx</i> Schrenk ex Fisch. & Mey.	LAMIACEAE	3255
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, and Olim K. Khojimatov		
<i>Lallemantia iberica</i> (Stev.) Fisch. et Mey	LAMIACEAE	3261
Naiba P. Mehdiyeva, Nigar Mursal, Farzaneh Khajoei Nasab, Amin Zeraatkar, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze		

<i>Lamium album</i> L. LAMIACEAE	3267
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, George Fayvush, Alla Aleksanyan, Farzaneh Khajoei Nasab, Amin Zeraatkar, Naiba P. Mehdiyeva, and Valida M. Alizade	
<i>Lapsana communis</i> L. <i>Lapsana communis</i> subsp. <i>grandiflora</i> (M. Bieb) P.D Sell ASTERACEAE	3285
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, George Fayvush, Alla Aleksanyan, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Lathyrus aphaca</i> L. <i>Lathyrus cicera</i> L. <i>Lathyrus niger</i> (L.) Bernh. <i>Lathyrus roseus</i> Steven <i>Lathyrus sylvestris</i> L. <i>Lathyrus tuberosus</i> L. FABACEAE	3291
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, George Fayvush, Alla Aleksanyan, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Laurus nobilis</i> L. LAURACEAE	3313
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Lavandula angustifolia</i> Medik. <i>Lavandula latifolia</i> Medik. LAMIACEAE	3323
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, and Zaal Kikvidze	
<i>Lavatera thuringiaca</i> L. MALVACEAE	3335
Naiba P. Mehdiyeva, Valida M. Alizade, Rashad Salimov, Nigar Mursal, Rainer W. Bussmann, and Narel Y. Paniagua-Zambrana	
<i>Lens culinaris</i> Medik FABACEAE	3339
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Leonotis leonurus</i> (L.) R. Br. LAMIACEAE	3343
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Leontice minor</i> Boiss BERBERIDACEAE	3347
Naiba P. Mehdiyeva and Rainer W. Bussmann	
<i>Leonurus cardiaca</i> L. LAMIACEAE	3349
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Olim K. Khojimatov, Manana Khutsishvili, George Fayvush, Alla Aleksanyan, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	

<i>Leopoldia caucasica</i> (Griseb.) Losinsk. <i>Leopoldia longipes</i> (Boiss.) Losinsk. <i>Leopoldia tenuiflora</i> (Tausch) Heldr. <i>Muscari armeniacum</i> H.J.Veitch	ASPARAGACEAE	3359
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze		
<i>Lepidium campestre</i> W.T. Aiton <i>Lepidium draba</i> L. <i>Lepidium latifolium</i> L. <i>Lepidium perfoliatum</i> L. <i>Lepidium ruderae</i> L. <i>Lepidium sativum</i> L.	BRASSICACEAE	3371
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Farzaneh Khajoei Nasab, Amin Zeraatkar, Naiba P. Mehdiyeva, and Rashad Salimov		
<i>Leptopus colchicus</i> (Fisch. & C.A. Mey. ex Boiss.) Pojark.	PHYLLANTHACEAE	3391
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze		
<i>Leucanthemum vulgare</i> Lam.	ASTERACEAE	3393
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, George Fayvush, and Alla Aleksanyan		
<i>Leucorum aestivum</i> L.	AMARYLLIDACEAE	3399
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze		
<i>Leuzea repens</i> (L.) D.J.N. Hind.	ASTERACEAE	3401
Olim K. Khojimatov and Rainer W. Bussmann		
<i>Levisticum officinale</i> W.D.J. Koch	APIACEAE	3405
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze		
<i>Ligusticum alatum</i> Spreng.	APIACEAE	3411
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze		
<i>Ligustrum vulgare</i> L.	OLEACEAE	3417
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller		
<i>Lilium ledebourii</i> (Baker) Boiss. <i>Lilium martagon</i> var. <i>martagon</i> (Misch.) Grossh. <i>Lilium szovitsianum</i> Fisch. & Avé-Lall.	LILIACEAE	3423
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, George Fayvush, Alla Aleksanyan, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Naiba P. Mehdiyeva, and Valida M. Alizade		

<i>Limonium meyeri</i> (Boiss.) Kuntze <i>Limonium owerinii</i> Kuntze	
<i>Limonium scoparium</i> (Pall. ex. Willd.) Stankov PLUMBAGINACEAE	3437
Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Lea Müller, George Fayvush, and Alla Aleksanyan	
<i>Linaria vulgaris</i> L. PLANTAGINACEAE	3443
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Linum usitatissimum</i> L. LINACEAE	3449
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Naiba P. Mehdiyeva, Nigar Mursal, and Valida M. Alizade	
<i>Liriodendron tulipifera</i> L. MAGNOLIACEAE	3465
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Lithospermum officinale</i> L. BORAGINACEAE	3471
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Lonicera caprifolium</i> L. <i>Lonicera caucasica</i> Pall. <i>Lonicera iberica</i> <i>M. Bieb. Lonicera xylosteum</i> L. CAPRIFOLIACEAE	3475
Naiba P. Mehdiyeva, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Lotus corniculatus</i> L. <i>Lotus gebelia</i> Vent <i>Lotus tenuis</i> Kit. FABACEAE	3491
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, George Fayvush, and Alla Aleksanyan	
<i>Lycium barbarum</i> L. <i>Lycium ruthenicum</i> Murr. SOLANACEAE	3501
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Lycopodium annotinum</i> L. <i>Lycopodium clavatum</i> L. <i>Diphasiastrum</i> <i>complanatum</i> (L.) Holub LYCOPODIACEAE	3507
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Lycopus europaeus</i> L. LAMIACEAE	3515
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	

<i>Lysimachia nummularia</i> L. <i>Lysimachia vulgaris</i> L. PRIMULACEAE	3519
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Lythrum salicaria</i> L. LYTHRACEAE	3527
Farzaneh Khajoei Nasab, Amin Zeraatkar, Naiba P. Mehdiyeva, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Magnolia grandiflora</i> L. MAGNOLIACEAE	3535
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Malus baccata</i> Loisel <i>Malus domestica</i> Borkh <i>Malus orientalis</i> <i>Uglizk. Malus pumila</i> Mill. <i>Malus sylvestris</i> (L.) Müller <i>Malus sieversii</i> M. Roem. ROSACEAE	3539
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Naiba P. Mehdiyeva, and Nigar Mursal	
<i>Malva neglecta</i> L. <i>Malva pusilla</i> Sm. <i>Malva sylvestris</i> L. MALVACEAE . . .	3559
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, George Fayvush, Alla Aleksanyan, Hamid Moazzeni, Atefeh Pirani, Khadijeh Motahhari, Naiba P. Mehdiyeva, Valida M. Alizade, and Nigar Mursal	
<i>Marrubium anisodon</i> K. Koch <i>Marrubium vulgare</i> L. LAMIACEAE	3581
Farzaneh Khajoei Nasab, Amin Zeraatkar, Naiba P. Mehdiyeva, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, and Inesa Maisaia	
<i>Matricaria aurea</i> (Loefl.) Sch.Bip. <i>Matricaria discoidea</i> DC. ASTERACEAE	3595
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Naiba P. Mehdiyeva, Nigar Mursal, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, and Lea Müller	
<i>Medicago lupulina</i> L. <i>Medicago sativa</i> L. LAMIACEAE	3607
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	

<i>Melandrium balansae</i> Boiss. <i>Melandrium divaricatum</i> Fenzl <i>Silene flos-cuculi</i> L. <i>Silene lacera</i> Steven <i>Silene sibirica</i> (L.) Pers. <i>Silene vulgaris</i> (Moench) Garcke <i>Silene wallichiana</i> Klotzsch	
CARYOPHYLLACEAE	3617
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Naiba P. Mehdiyeva, Valida M. Alizade, and Nigar Mursal	
<i>Melia azedarach</i> L. MELIACEAE	3651
Naiba P. Mehdiyeva, Nigar Mursal, and Rainer W. Bussmann	
<i>Melilotus albus</i> Medik. <i>Melilotus officinalis</i> (L.) Lam. LAMIACEAE	3655
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Naiba P. Mehdiyeva, Nigar Mursal, Farzaneh Khajoei Nasab, Amin Zeraatkar, and Abdolbaset Ghorbani	
<i>Melissa officinalis</i> L. LAMIACEAE	3665
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, George Fayvush, Alla Aleksanyan, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Mentha aquatica</i> L. <i>Mentha arvensis</i> L. <i>Mentha longifolia</i> (L.) L. <i>Mentha × piperita</i> L. <i>Mentha pulegium</i> L. <i>Mentha × rotundifolia</i> (L.) Huds. <i>Mentha spicata</i> L. <i>Mentha suaveolens</i> Ehrh. <i>Mentha spicata</i> subsp. <i>spicata</i> L. LAMIACEAE	3677
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Olim K. Khojimatov, George Fayvush, Alla Aleksanyan, Naiba P. Mehdiyeva, Valida M. Alizade, Farzaneh Khajoei Nasab, Amin Zeraatkar, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Fatima Islamova Islamovna, Gadzhi Rdzhabov Kamaludinovich, and Aslan Aliev Muradalievich	
<i>Menyanthes trifoliata</i> L. MENYANTHACEAE	3721
George Fayvush, Alla Aleksanyan, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Mercurialis annua</i> L. <i>Mercurialis perennis</i> L. EUPHORBIACEAE	3725
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Mespilus germanica</i> L. ROSACEAE	3733
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, George Fayvush, Alla Aleksanyan, Naiba P. Mehdiyeva, Valida M. Alizade, Amin Zeraatkar, Farzaneh Khajoei Nasab, Aslan Aliev Muradalievich, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, and Inesa Maisaia	

<i>Mirabilis jalapa</i> L. NYCTAGINACEAE	3741
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Molinia arundinacea</i> Schrank POACEAE	3745
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Morus alba</i> L. <i>Morus nigra</i> L. MORACEAE	3747
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Olim K. Khojimatov, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Naiba P. Mehdiyeva, Nigar Mursal, Inesa Maisaia, George Fayvush, Alla Aleksanyan, Fatima Islamova Islamovna, Gadzhi Rdzhabov Kamaludinovich, and Aslan Aliev Muradalievich	
<i>Musa x paradisiaca</i> L. MUSACEAE	3773
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Myosotis arvensis</i> (L.) Hill BORAGINACEAE	3779
Naiba P. Mehdiyeva, Valida M. Alizade, Rashad Salimov, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, George Fayvush, and Alla Aleksanyan	
<i>Myricaria germanica</i> (L.) Desv. TAMARICACEAE	3787
Naiba P. Mehdiyeva, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Myrtus communis</i> L. MYRTACEAE	3791
Naiba P. Mehdiyeva, Nigar Mursal, and Rainer W. Bussmann	
<i>Narcissus poeticus</i> L. <i>Narcissus tazetta</i> subsp. <i>italicus</i> (Ker Gawl.) Baker <i>Narcissus tazetta</i> L. AMARYLLIDACEAE	3797
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Nardus stricta</i> L. POACEAE	3803
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Nasturtium officinale</i> R. Br. BRASSICACEAE	3807
Amin Zeraatkar, Farzaneh Khajoei Nasab, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, and Zaal Kikvidze	
<i>Nepeta cataria</i> L. <i>Nepeta grandiflora</i> M. Bieb. <i>Nepeta racemosa</i> subsp. <i>racemosa</i> LAMIACEAE	3815
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Naiba P. Mehdiyeva, Nigar Mursal, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	

<i>Neslia paniculata</i> (L.) Desv. BRASSICACEAE	3827
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Nicotiana rustica</i> L. <i>Nicotiana tabacum</i> L. SOLANACEAE	3829
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Naiba P. Mehdiyeva, and Nigar Mursal	
<i>Nigella damascena</i> L. <i>Nigella sativa</i> L. RANUNCULACEAE	3839
Naiba P. Mehdiyeva, Valida M. Alizade, Rashad Salimov, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, George Fayvush, and Alla Aleksanyan	
<i>Nitraria schoberi</i> L. NITRARIACEAE	3853
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Nuphar lutea</i> (L.) Sm. NYMPHAEACEAE	3855
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, George Fayvush, and Alla Aleksanyan	
<i>Nymphaea alba</i> L. NYMPHAEACEAE	3859
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, George Fayvush, and Alla Aleksanyan	
<i>Ocimum basilicum</i> L. LAMIACEAE	3865
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, George Fayvush, Alla Aleksanyan, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Olea europaea</i> L. OLEACEAE	3881
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Onobrychis viciifolia</i> Scop. FABACEAE	3895
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, and Inesa Maisaia	
<i>Onoclea struthiopteris</i> Roth ONOCLEACEAE	3901
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Naiba P. Mehdiyeva, and Valida M. Alizade	

<i>Ononis arvensis</i> L. <i>Ononis spinosa</i> ssp. <i>antiquiorum</i> (L.) Arcang.	
FABACEAE	3909
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, George Fayvush, and Alla Aleksanyan	
<i>Onopordum acanthium</i> L. ASTERACEAE	3917
Naiba P. Mehdiyeva, Valida M. Alizade, Rashad Salimov, Nigar Mursal, and Rainer W. Bussmann	
<i>Onosma caucasica</i> Levin <i>Onosma dichroantha</i> Boiss. <i>Onosma echioides</i> (L.) L. <i>Onosma microcarpa</i> A. DC. BORAGINACEAE	3925
Farzaneh Khajoei Nasab, Amin Zeraatkar, Ziyarat Guseynova Agamirzoevna, Aslan Aliev Muradalievich, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Oplismenus undulatifolius</i> (Ard.) P. Beauv. POACEAE	3935
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Orchis caspia</i> Trautv. <i>Orchis coriophora</i> L. <i>Orchis mascula</i> (L.) L. <i>Orchis palustris</i> Jacq. <i>Orchis picta</i> Loisel. <i>Orchis simia</i> Lam. ORCHIDACEAE	3937
Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, George Fayvush, Alla Aleksanyan, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Origanum majorana</i> L. <i>Origanum vulgare</i> L. LAMIACEAE	3969
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Olim K. Khojimatov, Naiba P. Mehdiyeva, Nigar Mursal, Amin Zeraatkar, Farzaneh Khajoei Nasab, George Fayvush, Alla Aleksanyan, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, and Inesa Maisaia	
<i>Ornithogalum platyphyllum</i> Boiss. <i>Ornithogalum ponticum</i> Zahar. <i>Ornithogalum woronowii</i> Kasch ASPARAGACEAE	3989
George Fayvush, Alla Aleksanyan, Naiba P. Mehdiyeva, Valida M. Alizade, Rashad Salimov, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Osmanthus decorus</i> (Boiss. & Balansa) Kasapligil OLEACEAE	3999
Rainer W. Bussmann and Narel Y. Paniagua-Zambrana	
<i>Ostrya carpinifolia</i> Scop. BETULACEAE	4005
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	

<i>Oxalis acetosella</i> L. OXALIDACEAE	4007
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Oxyria digyna</i> Hill. POLYGONACEAE	4021
Naiba P. Mehdiyeva and Rainer W. Bussmann	

Volume 6

<i>Paeonia daurica</i> subsp. <i>coriifolia</i> (Rupr.) D.Y.Hong <i>Paeonia teniufolia</i> L. PAEONIACEAE	4023
Naiba P. Mehdiyeva, Valida M. Alizade, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, George Fayvush, and Alla Aleksanyan	
<i>Paliurus spina-christi</i> Mill. RHAMNACEAE	4033
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Naiba P. Mehdiyeva, and Nigar Mursal	
<i>Panicum crus-calli</i> L. <i>Panicum miliaceum</i> L. POACEAE	4041
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Naiba P. Mehdiyeva, and Nigar Mursal	
<i>Papaver arenarium</i> M. Bieb. <i>Papaver rhoeas</i> L. <i>Papaver somniferum</i> L. PAPAVERACEAE	4053
Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, George Fayvush, and Alla Aleksanyan	
<i>Parietaria judaica</i> L. URTICACEAE	4079
Naiba P. Mehdiyeva, Rashad Salimov, and Rainer W. Bussmann	
<i>Paris incompleta</i> M.Biebs. <i>Paris quadrifolia</i> L. MELANTHIACEAE	4083
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Parrotia persica</i> C. A. Mey. HAMMAMELIDACEAE	4091
Naiba P. Mehdiyeva, Valida M. Alizade, Rainer W. Bussmann, and Narel Y. Paniagua-Zambrana	
<i>Passiflora incarnata</i> L. PASSIFLORACEAE	4095
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, and Manana Khutsishvili	

<i>Paulownia tormentosa</i> (Thunb.) Steud. PAULOWNIACEAE	4109
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, George Fayvush, and Alla Aleksanyan	
<i>Pedicularis caucasica</i> M. Bieb <i>Pedicularis comosa</i> L. <i>Pedicularis condensata</i> M. Bieb. <i>Pedicularis chroorrhyncha</i> Vved. <i>Pedicularis crassirostris</i> Bunge <i>Pedicularis eriantha</i> (Boiss. & Buhse) T.N.Popova <i>Pedicularis nordmanniana</i> Bunge <i>Pedicularis wilhelmsiana</i> Fisch. ex. M. Bieb. OROBANCHACEAE	4113
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Peganum harmala</i> L. ZYGOPHYLLACEAE	4131
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Olim K. Khojimatov, Zaal Kikvidze, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, George Fayvush, Alla Aleksanyan, Hamid Moazzeni, Atefeh Pirani, Khadijeh Motahhari, Farzaneh Khajoei Nasab, Naiba P. Mehdiyeva, and Valida M. Alizade	
<i>Periploca graeca</i> L. ASCLEPIADACEAE	4145
Naiba P. Mehdiyeva, Nigar Mursal, and Rainer W. Bussmann	
<i>Persea americana</i> Mill. LAURACEAE	4149
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Persicartia alpina</i> Gross. <i>Persicaria amphibia</i> (L.) Delabre <i>Persicaria hydropiper</i> (L.) Spach <i>Persicaria lapathifolia</i> (L.) Delarbre <i>Persicaria maculosa</i> Gray <i>Polygonum aviculare</i> L. <i>Polygonum carneum</i> C. Koch <i>Polygonum panjutinii</i> Kharkev. POLYGONACEAE	4157
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Naiba P. Mehdiyeva, Valida M. Alizade, Rashad Salimov, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, George Fayvush, Alla Aleksanyan, Farzaneh Khajoei Nasab, Hamid Moazzeni, Atefeh Pirani, and Khadijeh Motahhari	
<i>Petasites albus</i> (L.) Gaertn., B. Mey. & Scherb. <i>Petasites fominii</i> Bordz. <i>Petasites hybridus</i> (L.) G. Gaertn., B. Mey. & Scherb. ASTERACEAE	4193
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, George Fayvush, and Alla Aleksanyan	

<i>Petroselinum crispum</i> (Mill.) Fuss APIACEAE	4205
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, George Fayvush, and Alla Aleksanyan	
<i>Phaseolus vulgaris</i> L. FABACEAE	4215
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Philadelphus coronarius</i> L. HYDRANGEACEAE	4227
Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Phleum pratense</i> L. POACEAE	4233
George Fayvush, Alla Aleksanyan, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Phlomoides lacinata</i> (L.) Kamelin & Makhm. LAMIACEAE	4239
Ziyarat Guseynova Agamirzoevna, Gadzhi Rdzhabov Kamaludinovich, Aslan Aliev Muradalievich, Rashad Salimov, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Lea Müller, Naiba P. Mehdiyeva, Valida M. Alizade, and Nigar Mursal	
<i>Phragmites australis</i> (Cav.) Steud. POACEAE	4245
Naiba P. Mehdiyeva, Nigar Mursal, Narel Y. Paniagua-Zambrana, Rainer W. Bussmann, and Zaal Kikvidze	
<i>Phytolacca americana</i> L. PHYTOLACCACEAE	4255
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Picea abies</i> (L.) H. Karst. <i>Picea orientalis</i> (L.) Peterm. PINACEAE	4267
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Pimpinella anisum</i> L. <i>Pimpinella aromatica</i> M. Bieb. <i>Pimpinella aureum</i> DC. <i>Pimpinella major</i> (L.) Huds. <i>Pimpinella peregrina</i> L. <i>Pimpinella saxifraga</i> L. APIACEAE	4285
Naiba P. Mehdiyeva, Valida M. Alizade, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Seyed Hamed Moazzami Farida, Abdolbaset Ghorbani, George Fayvush, and Alla Aleksanyan	

<i>Pinus kochiana</i> Klotzsch ex K. Koch <i>Pinus sosnowskyi</i> Nakai	
<i>Pinus sylvestris</i> L. PINACEAE	4299
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Naiba P. Mehdiyeva, Valida M. Alizade, Ketevan Batsatsashvili, Manana Khutsishvili, George Fayvush, Alla Aleksanyan, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Bayzanat Ramazanova Abakarovna, and Aslan Aliev Muradalievich	
<i>Piper nigrum</i> L. PIPERACEAE	4321
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Pistacia atlantica</i> Desf. ANACARDIACEAE	4327
Naiba P. Mehdiyeva, Valida M. Alizade, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, George Fayvush, and Alla Aleksanyan	
<i>Pisum sativum</i> L. FABACEAE	4337
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Plantago indica</i> L. <i>Plantago lanceolata</i> L. <i>Plantago major</i> L. <i>Plantago media</i> L. PLANTAGINACEAE	4343
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Naiba P. Mehdiyeva, Nigar Mursal, George Fayvush, Alla Aleksanyan, Hamid Moazzeni, Atefeh Pirani, Khadijeh Motahhari, Abdolbaset Ghorbani, and Farzaneh Khajoei Nasab	
<i>Platanus orientalis</i> L. PLATANACEAE	4375
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, and Narel Y. Paniagua-Zambrana	
<i>Plumbago europaea</i> L. PLUMBAGINACEAE	4379
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Pojarkovia pojarkovae</i> (Schischk.) Greuter ASTERACEAE	4381
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Polygonatum glaberrimum</i> K. Koch. <i>Polygonatum multiflorum</i> (L.) All. <i>Polygonatum odoratum</i> L. <i>Polygonatum orientale</i> Desf. ASPARAGACEAE	4383
George Fayvush, Alla Aleksanyan, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	

<i>Polypodium vulgare</i> L. POLYPODIACEAE	4399
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Hamid Moazzeni, Atefeh Pirani, Khadijeh Motahhari, Naiba P. Mehdiyeva, and Rashad Salimov	
<i>Polystichum aculeatum</i> (L.) Roth <i>Polystichum braunii</i> (Spenn.) Feé	
<i>Polystichum lonchitis</i> (L.) Roth <i>Polystichum setiferum</i> Rosendahl	
<i>Polystichum woronowii</i> Fomin DRYOPTERIDACEAE	4407
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Populus alba</i> L. <i>Populus canescens</i> (Aiton) Sm. <i>Populus euphratica</i>	
Oliv. <i>Populus nigra</i> L. <i>Populus tremula</i> L. SALICACEAE	4415
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Portulaca oleracea</i> L. PORTULACACEAE	4431
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, George Fayvush, Alla Aleksanyan, Naiba P. Mehdiyeva, Valida M. Alizade, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Farzaneh Khajoei Nasab, and Amin Zeraatkar	
<i>Potamogeton crispus</i> L. <i>Potamogeton natans</i> L. <i>Potamogeton</i>	
<i>pectinatus</i> L. <i>Potamogeton pusillus</i> L. POTAMOGETONACEAE	4441
Naiba P. Mehdiyeva, Rashad Salimov, Nigar Mursal, Rainer W. Bussmann, and Narel Y. Paniagua-Zambrana	
<i>Potentilla anserina</i> L. <i>Potentilla argentea</i> L. <i>Potentilla erecta</i> (L.)	
Raeusch. <i>Potentilla reptans</i> L. ROSACEAE	4449
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Farzaneh Khajoei Nasab, Amin Zeraatkar, Naiba P. Mehdiyeva, Valida M. Alizade, Rashad Salimov, Nigar Mursal, George Fayvush, and Alla Aleksanyan	
<i>Prangos ferulacea</i> (L.) Lindl. <i>Prangos pabularia</i> Lindl. APIACEAE	4477
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, and Olim K. Khojimatov	

<i>Primula auricula</i> L. <i>Primula auriculata</i> Lam. <i>Primula elatior</i> Hill <i>Primula farinifolia</i> Rupr. <i>Primula farinosa</i> L. <i>Primula luteola</i> Rupr. <i>Primula macrocalyx</i> Bunge <i>Primula veris</i> L. <i>Primula veris</i> subsp. <i>macrocalyx</i> (Bunge) Lüdi <i>Primula ruprechtii</i> Kusnez. <i>Primula</i> <i>vulgaris</i> subsp. <i>rubra</i> (Sm.) Arcang <i>Primula vulgaris</i> Huds <i>Primula</i> <i>woronowii</i> (Standl.) Bruniera & C.M.Taylor <i>Primula woronowii</i> Losinsk.	
PRIMULACEAE	4483
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, George Fayvush, Alla Aleksanyan, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Prosopis farcta</i> (Banks & Sol.) J.F. Macbr. FABACEAE	4511
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Prunella grandiflora</i> (L.) Turra. <i>Prunella laciniata</i> L. <i>Prunella</i> <i>vulgaris</i> L. LAMIACEAE	4513
Naiba P. Mehdiyeva, Nigar Mursal, and Rainer W. Bussmann	
<i>Prunus amygdalus</i> Batsch <i>Prunus armeniaca</i> L. <i>Prunus avium</i> (L.) L. <i>Prunus cerasus</i> L. <i>Prunus cerasifera</i> L. <i>Prunus domestica</i> L. <i>Prunus</i> <i>dulcis</i> D.A. Webb <i>Prunus insititia</i> L. <i>Prunus laurocerasus</i> L. <i>Prunus</i> <i>mahaleb</i> L. <i>Prunus padus</i> L. <i>Prunus persica</i> L. <i>Prunus spinosa</i> L. <i>Prunus vachuschtii</i> Bregadze ROSACEAE	4523
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Olim K. Khojimatov, George Fayvush, Alla Aleksanyan, Ruslan Osmanov Malikovich, Djalaludin Anatov Magomedovich, Zumrud Abdullaeva Muradalievna, Aslan Aliev Muradalievich, Naiba P. Mehdiyeva, Valida M. Alizade, and Nigar Mursal	
<i>Psylliostachys spicatus</i> (Willdi) Nevski PLUMBAGINACEAE	4587
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Pteridium aquilinum</i> (L.) Kuhn. PTERIDACEAE	4589
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Pteris cretica</i> L. PTERIDACEAE	4601
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Pterocarya fraxinifolia</i> (Poir.) Spach JUGLANDACEAE	4603
Naipa P. Mehdiyeva, Valida M. Alizade, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	

<i>Pulsatilla georgica</i> Rupr. <i>Pulsatilla montana</i> Rechb. <i>Pulsatilla violacea</i> Rupr. <i>Pulsatilla vulgaris</i> Mill. RANUNCULACEAE	4611
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Punica granatum</i> L. LYTHRACEAE	4617
Farzaneh Khajoei Nasab, Amin Zeraatkar, Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Lea Müller, and Olim K. Khojimatov	
<i>Pyracantha coccinea</i> M. Roem. ROSACEAE	4631
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Pyrus caucasica</i> Fed. <i>Pyrus communis</i> L. <i>Pyrus pyraister</i> (L.) Burgsd. <i>Pyrus salicifolia</i> Pall. ROSACEAE	4635
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, George Fayvush, Alla Aleksanyan, Aslan Aliev Muradalievich, Gadzhi Rdzhabov Kamaludinovich, Naiba P. Mehdiyeva, Valida M. Alizade, and Nigar Mursal	
<i>Quercus castaneifolia</i> C.A. Mey <i>Quercus dshorochensis</i> C.A. Mey <i>Quercus ilex</i> L. <i>Quercus petraea</i> subsp. <i>iberica</i> (Steven ex M. Bieb.) Krassiln. <i>Quercus pontica</i> K. Koch FAGACEAE	4657
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, Zaal Kikvidze, Ketevan Batsatsashvili, George Fayvush, Alla Aleksanyan, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Ranunculus ficaria</i> L. <i>Ranunculus neapolitanus</i> Ten. <i>Ranunculus oxyspermus</i> Willd. <i>Ranunculus repens</i> L. RANUNCULACEAE	4699
Aslan Aliev Muradalievich, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Naiba P. Mehdiyeva, and Nigar Mursal	
<i>Raphanus raphanistrum</i> L. <i>Raphanus sativus</i> L. BRASSICACEAE	4729
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Rapistrum rugosum</i> (L.) All. BRASSICACEAE	4741
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, George Fayvush, and Alla Aleksanyan	

<i>Reseda lutea</i> L. <i>Reseda luteola</i> L. RESEDACEAE	4745
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Rhaponiticum repens</i> (L.) Hidalgo ASTERACEAE	4753
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Ketevan Batsatsashvili, and Zaal Kikvidze	
<i>Rheum maximowiczii</i> Losinsk. <i>Rheum rhabarbarum</i> L. POLYGONACEAE	4757
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Olim K. Khojimatov, Naiba P. Mehdiyeva, and Nigar Mursal	
<i>Rhododendron caucasicum</i> Pall. <i>Rhododendron luteum</i> Sweet <i>Rhododendron ponticum</i> L. ERICACEAE	4769
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Naiba P. Mehdiyeva, Valida M. Alizade, George Fayvush, and Alla Aleksanyan	
<i>Rhus coriaria</i> L. ANACARDIACEAE	4801
Naiba P. Mehdiyeva, Valid M. Alizade, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Olim K. Khojimatov, Farzaneh Khajoei Nasab, Amin Zeraatkar, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, George Fayvush, and Alla Aleksanyan	
<i>Ribes alpinum</i> L. <i>Ribes biebersteinii</i> Berl. ex DC <i>Ribes grossularia</i> L. <i>Ribes nigrum</i> L. <i>Ribes orientale</i> Desf. <i>Ribes petraeum</i> Wulfen <i>Ribes rubrum</i> L. <i>Ribes uva-crispa</i> L. GROSSULARIACEAE	4813
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Lea Müller, George Fayvush, Alla Aleksanyan, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Naiba P. Mehdiyeva, and Valid M. Alizade	
<i>Robinia pseudoacacia</i> L. FABACEAE	4835
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, George Fayvush, Alla Aleksanyan, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	

<i>Rosa boissieri</i> Crép. <i>Rosa canina</i> L. <i>Rosa centifolia</i> L. <i>Rosa gallica</i> L. <i>Rosa iberica</i> Steven <i>Rosa spinosissima</i> L. <i>Rosa villosa</i> L.	
ROSACEAE	4841
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Keteven Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Olim K. Khojimatov, George Fayvush, Alla Aleksanyan, Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, Bayzanat Ramazanova Abakarovna, and Aslan Aliev Muradalievich	
<i>Rosularia sempervivum</i> A. Berger CRASSULACEAE	4895
Naiba P. Mehdiyeva, Rainer W. Bussmann, and Narel Y. Paniagua-Zambrana	
<i>Rubia rigidifolia</i> Pojark <i>Rubia tinctorium</i> L. RUBIACEAE	4897
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Keteven Batsatsashvili, Manana Khutsishvili, Olim K. Khojimatov, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Naiba P. Mehdiyeva, Valida M. Alizade, George Fayvush, and Alla Aleksanyan	
<i>Rubus caesius</i> L. <i>Rubus hirtus</i> Waldst. & Kit. <i>Rubus idaeus</i> L. <i>Rubus sanctus</i> Schreb. <i>Rubus saxatilis</i> L. <i>Rubus ulmifolius</i> Schott <i>Rubus vulgaris</i> Weihe & Nees ROSACEAE	4913
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Naiba P. Mehdiyeva, Valida M. Alizade, Rashad Salimov, Nigar Mursal, Farzaneh Khajoei Nasab, Amin Zeraatkar, Aslan Aliev Muradalievich, George Fayvush, Alla Aleksanyan, Keteven Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Rumex acetosa</i> L. <i>Rumex acetosella</i> L. <i>Rumex alpinus</i> L. <i>Rumex crispus</i> L. <i>Rumex obtusifolius</i> L. <i>Rumex patientia</i> L. <i>Rumex pulcher</i> L. <i>Rumex tuberosus</i> L. POLYGONACEAE	4939
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Keteven Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Farzaneh Khajoei Nasab, Amin Zeraatkar, Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, Aslan Aliev Muradalievich, Olim K. Khojimatov, George Fayvush, and Alla Aleksanyan	
<i>Ruta graveolens</i> L. RUTACEAE	4971
Rainer W. Bussmann and Narel Y. Paniagua-Zambrana	

Volume 7

<i>Salix alba</i> L. <i>Salix australior</i> Anderss <i>Salix babylonica</i> L. <i>Salix caprea</i> L. <i>Salix viminalis</i> L. SALICACEAE	4983
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Salsola dendroides</i> Pall. <i>Salsola iberica</i> Sennen & Pau <i>Salsola nodulosa</i> (Moq.) Iljin <i>Salsola soda</i> L. AMARANTHACEAE	5023
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Salvia glutinosa</i> L. <i>Salvia officinalis</i> L. <i>Salvia pratensis</i> L. <i>Salvia rosmarinus</i> Scheid. <i>Salvia verbenaca</i> L. <i>Salvia verticillata</i> L. LAMIACEAE	5029
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Naiba P. Mehdiyeva, Rashad Salimov, Nigar Mursal, George Fayvush, and Alla Aleksanyan	
<i>Sambucus ebulus</i> L. <i>Sambucus nigra</i> L. <i>Sambucus racemosa</i> L. ADOXACEAE	5063
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Amin Zeraatkar, Farzaneh Khajoei Nasab, George Fayvush, Alla Aleksanyan, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Naiba P. Mehdiyeva, and Valida M. Alizade	
<i>Sanguisorba minor</i> Scop. <i>Sanguisorba officinalis</i> L. ROSACEAE	5085
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Amin Zeraatkar, Farzaneh Khajoei Nasab, Naiba P. Mehdiyeva, Nigar Mursal, George Fayvush, Alla Aleksanyan, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Saponaria officinalis</i> L. CARYOPHYLLACEAE	5099
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, and Lea Müller	
<i>Saxifraga tridactylites</i> L. SAXIFRAGACEAE	5103
Naiba P. Mehdiyeva and Rainer W. Bussmann	
<i>Scabiosa columbaria</i> L. CAPRIFOLIACEAE	5109
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Lea Müller, Manana Khutsishvili, and Zaal Kikvidze	

<i>Scilla autumnalis</i> L. <i>Scilla bifolia</i> L. <i>Scilla siberica</i> Andrews ASPARAGACEAE	5115
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Scirpus sylvaticus</i> L. <i>Schoenoplectus mucronatus</i> (L.) Palla <i>Schoenoplectus lacustris</i> (L.) Palla <i>Schoenoplectus tabernaemontani</i> (Gmel.) Palla CYPERACEAE	5123
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, and Narel Y. Paniagua-Zambrana	
<i>Scleranthus annuus</i> L. <i>Scleranthus perennis</i> L. CARYOPHYLLACEAE	5135
George Fayvush, Alla Aleksanyan, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, and Lea Müller	
<i>Scrophularia lateriflora</i> Trautv. <i>Scrophularia nodosa</i> L. <i>Scrophularia xanthoglossa</i> var. <i>decipiens</i> (Boiss. & Kotschy) Boiss. SCROPHULARIACEAE	5137
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Secale cereale</i> L. POACEAE	5147
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Sempervivum annae</i> Gurg. <i>Sempervivum caucasicum</i> Rupr. ex Boiss. <i>Sempervivum pumilum</i> M. Bieb. <i>Sempervivum tectorum</i> L. <i>Sempervivum</i> <i>transcaucasicum</i> Muirhead CRASSULACEAE	5153
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Naiba P. Mehdiyeva, Valida M. Alizade, Ketevan Batsatsashvili, Manana Khutsishvili, George Fayvush, Alla Aleksanyan, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Seseli libanotis</i> (L.) W.D.J. Koch <i>Seseli transcaucasicum</i> (Schischk.) Pimenov & Sdobina APIACEAE	5161
Naiba P. Mehdiyeva, Valida M. Alizade, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, and Inesa Maisaia	
<i>Shepherdia argentea</i> Nutt. ELAEAGNACEAE	5171
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	

<i>Sherardia arvensis</i> L. RUBIACEAE	5173
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Sigesbeckia orientalis</i> L. ASTERACEAE	5177
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Silybum marianum</i> (L.) Gaertn. ASTERACEAE	5181
Naiba P. Mehdiyeva, Valida M. Alizade, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Olim K. Khojimatov, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Farzaneh Khajoei Nasab, Amin Zeraatkar, Aslan Aliev Muradalievich, Maxim Mallaliev Mallalievich, George Fayvush, and Alla Aleksanyan	
<i>Sinapis arvensis</i> L. BRACSSICACEAE	5191
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Sisymbrium loeselii</i> L. <i>Sisymbrium officinale</i> (L.) Scop. <i>Sisymbrium runcinatum</i> Lag.ex DC. BRASSICACEAE	5199
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, and Lea Müller	
<i>Smilax excelsa</i> L. SMILACACEAE	5209
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, George Fayvush, and Alla Aleksanyan	
<i>Solanum dulcamara</i> L. <i>Solanum lycopersicum</i> L. <i>Solanum melongena</i> L. <i>Solanum nigrum</i> L. <i>Solanum tuberosum</i> L. SOLANACEAE	5221
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, George Fayvush, and Alla Aleksanyan	
<i>Solidago canadensis</i> L. <i>Solidago virga-aurea</i> L. ASTERACEAE	5273
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Sonchus arvensis</i> L. <i>Sonchus asper</i> (L.) Hill. <i>Sonchus oleraceus</i> L. ASTERACEAE	5279
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	

<i>Sorbus aria</i> Crantz <i>Sorbus aucuparia</i> L. <i>Sorbus caucasigena</i> Kom.	
<i>Sorbus domestica</i> L. <i>Sorbus graeca</i> (Spach) Lodd. ex S.Schauer	
<i>Sorbus intermedia</i> (Ehrh.) Pers. <i>Sorbus rupicola</i> (Syme.) Hedl.	
<i>Sorbus subfusca</i> Boiss. <i>Sorbus torminalis</i> (L.) Crantz ROSACEAE	5293
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, George Fayvush, Alla Aleksanyan, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Naiba P. Mehdiyeva, Valida M. Alizade, and Nigar Mursal	
<i>Sorghum bicolor</i> (L.) Moench POACEAE	5317
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Spartium junceum</i> L. FABACEAE	5325
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Spinacia oleracea</i> L. <i>Spinacia tetrandra</i> Stev. AMARANTHACEAE	5331
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, George Fayvush, and Alla Aleksanyan	
<i>Spiraea hypericifolia</i> L. ROSACEAE	5337
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Stachys byzantina</i> C. Koch <i>Stachys lavandulifolia</i> Vahl. <i>Stachys sylvatica</i> L. LAMIACEAE	5345
Naiba P. Mehdiyeva, Nigar Mursal, Amin Zeraatkar, Farzaneh Khajoei Nasab, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Staphylea colchica</i> Steven <i>Staphylea pinnata</i> L. STAPHYLEACEAE	5357
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, George Fayvush, and Alla Aleksanyan	
<i>Stellaria media</i> (L.) Vill. CARYOPHYLLACEAE	5363
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Fazina Vagabova Askeralievna, Aslan Aliev Muradalievich, Naiba P. Mehdiyeva, Valida M. Alizade, George Fayvush, and Alla Aleksanyan	
<i>Sternbergia lutea</i> (L.) Ker Gawl. ex Spreng. AMARYLLIDACEAE	5375
Naiba P. Mehdiyeva, Rainer W. Bussmann, and Narel Y. Paniagua-Zambrana	

<i>Stevia ovata</i> Willd. ASTERACEAE	5379
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, and Lea Müller	
<i>Succisa pratensis</i> Moench CAPRIFOLIACEAE	5383
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, and Zaal Kikvidze	
<i>Swertia iberica</i> Fisch. & C.A. Mey. GENTIANACEAE	5387
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Manana Khutsishvili, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, and Inesa Maisaia	
<i>Symphytum caucasicum</i> M. Bieb. <i>Symphytum grandiflorum</i> DC. <i>Symphytum officinale</i> L. BORAGINACEAE	5399
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, George Fayvush, Alla Aleksanyan, Naiba P. Mehdiyeva, and Valida M. Alizade	
<i>Syringa vulgaris</i> L. OLEACEAE	5411
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Tagetes patula</i> L. ASTERACEAE	5417
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Tamarix kotschy</i> Bge. <i>Tamarix meyeri</i> Boiss. <i>Tamarix ramosissima</i> Ledeb. <i>Tamarix smyrnensis</i> Bunge. <i>Tamarix tetrandra</i> Pall. ex M.Bieb. TAMARICACEAE	5427
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Tanacetum balsamita</i> L. <i>Tanacetum coccineum</i> (Willd.) Grierson ssp. <i>coccineum</i> <i>Tanacetum macrophyllum</i> Sch. Bip. <i>Tanacetum</i> <i>parthenium</i> (L.) Schi. Bip. <i>Tanacetum polycephalum</i> subsp. <i>duderanum</i> (Boiss.) Podlech <i>Tanacetum vulgare</i> L. ASTERACEAE	5437
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Naipa P. Mehdiyeva, Valida M. Alizade, Rashad Salimov, Nigar Mursal, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Taraxacum confusum</i> Schischk. <i>Taraxacum officinale</i> F.H.Wigg. ASTERACEAE	5451
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Olim K. Khojimatov, and Dilovar T. Khamraeva	

<i>Taxus baccata</i> L. TAXACEAE	5471
Naiba P. Mehdiyeva, Valida M. Alizade, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Farzaneh Khajoei Nasab, Amin Zeraatkar, George Fayvush, Alla Aleksanyan, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, and Inesa Maisaia	
<i>Teucrium</i> spp. L. <i>Teucrium chamaedrys</i> L. <i>Teucrium montanum</i> L. LAMIACEAE	5485
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Shalva Sikharulidze, and Davit Tchelidze	
<i>Thalictrum buschianum</i> Kem. <i>Thalictrum collinum</i> Wallr. <i>Thalictrum foetidum</i> L. <i>Thalictrum minus</i> L. <i>Thalictrum simplex</i> L. RANUNCULACEAE	5499
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Shalva Sikharulidze, and Davit Tchelidze	
<i>Thuja occidentalis</i> L. CUPRESSACEAE	5517
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Thymus caucasicus</i> Willd. ex Benth. <i>Thymus collinus</i> Bieb. <i>Thymus kotschyanus</i> Boiss. & Hohen. <i>Thymus pulegioides</i> L. <i>Thymus serpyllum</i> L. <i>Thymus transcaucasicus</i> Ronninger <i>Thymus vulgaris</i> L. LAMIACEAE	5525
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Farzaneh Khajoei Nasab, Amin Zeraatkar, George Fayvush, Alla Aleksanyan, Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Olim K. Khojimatov, and Aslan Aliev Muradalievich	
<i>Tilia cordata</i> Mill. <i>Tilia dasystyla</i> subsp. <i>caucasica</i> (V.Engl.) Pigott <i>Tilia rubra</i> subsp. <i>caucasica</i> (Rupr.) V.Engl. MALVACEAE	5549
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Naiba P. Mehdiyeva, Valida M. Alizade, Rashad Salimov, Nigar Mursal, George Fayvush, and Alla Aleksanyan	
<i>Trachystemon orientalis</i> (L.) D. Don BORAGINACEAE	5565
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, and Lea Müller	

<i>Tragopogon buphthalmoides</i> (DC.) Boiss. <i>Tragopogon coloratus</i> C. A. Meyer <i>Tragopogon orientalis</i> L. <i>Tragopogon porrifolius</i> L. subsp. <i>longirostris</i> (Sch. Bip.) Greuter <i>Tragopogon pratensis</i> L. <i>Tragopogon pterocarpus</i> DC. <i>Tragopogon reticulatus</i> Boiss. et Huet, <i>Tragopogon serotinus</i> Sosn. ASTERACEAE	5567
Naiba P. Mehdiyeva, Aslan Aliev Muradalievich, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Trapa hyrcana</i> Woronow LYTHRACEAE	5585
Naiba P. Mehdiyeva, Valida M. Alizade, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, and Zaal Kikvidze	
<i>Tribulus terrestris</i> L. ZYGOPHYLLACEAE	5591
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Olim K. Khojimatov, Naiba P. Mehdiyeva, Rashad Salimov, Manana Khutsishvili, Zaal Kikvidze, Abdolbaset Ghorbani, and Farzaneh Khajoei Nasab	
<i>Trifolium arvense</i> L. <i>Trifolium campestre</i> Schreb. <i>Trifolium</i> <i>pratense</i> L. <i>Trifolium repens</i> L. FABACEAE	5603
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Naiba P. Mehdiyeva, and Nigar Mursal	
<i>Trigonella caerulea</i> (L.) Ser. <i>Trigonella foenum-graecum</i> L. <i>Trigonella monspeliaca</i> L. <i>Trigonella procumbens</i> (Bess.) Rchb. FABACEAE	5623
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Triticum aestivum</i> L. <i>Triticum durum</i> Desf. <i>Triticum monococcum</i> L. <i>Triticum turgidum</i> L. <i>Triticum turgidum</i> subsp. <i>carthlicum</i> (Nevski) Á.Löve <i>Triticum turgidum</i> subsp. <i>dicoccon</i> (Schränk ex Schübl.) Thell. POACEAE	5633
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Naiba P. Mehdiyeva, Nigar Mursal, George Fayvush, and Alla Aleksanyan	
<i>Tropaeolum majus</i> L. TROPAEOLACEAE	5655
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	

Tulipa armena Boiss. *Tulipa biflora* Pall. *Tulipa julia* C.Koch *Tulipa schmidtii* Fomin *Tulipa stylosa* Stapf. *Tulipa sylvestris* subsp. *australis* (Link) Pamp. *Tulipa undulatifolia* Boiss. var. *undulatifolia*

LILIACEAE 5661

Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, and
Narel Y. Paniagua-Zambrana

Tussilago farfara L. **ASTERACEAE** 5671

George Fayvush, Alla Aleksanyan, Rainer W. Bussmann,
Narel Y. Paniagua-Zambrana, Olim K. Khojimatov, Manana Khutsishvili,
and Zaal Kikvidze

Typha angustifolia L. *Typha latifolia* L. *Typha laxmanii* Lepech
TYPHACEAE 5681

Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann,
Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and
Zaal Kikvidze

Ulmus glabra Huds. *Ulmus minor* Mill. *Ulmus minor* subsp.
minor **ULMACEAE** 5691

Rainer W. Bussmann, Narel Y. Paniagua-Zambrana,
Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili,
Naiba P. Mehdiyeva, Nigar Mursal, Inesa Maisaia, Shalva Sikharulidze,
and Davit Tchelidze

Urtica dioica L. **URTICACEAE** 5703

Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili,
Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze,
Davit Tchelidze, Inesa Maisaia, Farzaneh Khajoei Nasab, Amin Zeraatkar,
Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal,
Aslan Aliev Muradalievich, Fazina Vagabova Askeralievna,
Gadzhi Rdzhabov Kamaludinovich, Olim K. Khojimatov, George Fayvush,
and Alla Aleksanyan

Volume 8

Vaccinium arctostaphylos L. *Vaccinium myrtillus* L. *Vaccinium oxycoccos* L. *Vaccinium uliginosum* L. *Vaccinium vitis-idaea* L.
ERICACEAE 5729

Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze,
Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia,
Shalva Sikharulidze, Davit Tchelidze, Naiba P. Mehdiyeva,
George Fayvush, and Alla Aleksanyan

<i>Valeriana alliariifolia</i> Vahl <i>Valeriana sisymbriifolia</i> Vahl. <i>Valeriana alliariifolia</i> var. <i>tiliifolia</i> (Troickij) V.E.Avet. <i>Valeriana officinalis</i> L. <i>Valeriana sisymbriifolia</i> Vahl. CAPRIFOLIACEAE	5753
Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Veratrum album</i> L. <i>Veratrum lobelianum</i> Bernh. MELANTHIACEAE	5773
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, George Fayvush, and Alla Aleksanyan	
<i>Verbascum densiflorum</i> Bertol. <i>Verbascum phlomoides</i> L. <i>Verbascum songaricum</i> Schrenk ex Fisch. & C.A. Mey. <i>Verbascum speciosum</i> Schrad. <i>Verbascum thapsus</i> L. SCROPHULARIACEAE	5781
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Farzaneh K. Nasab, and Amin Zeraatkar	
<i>Verbena officinalis</i> L. VERBENACEAE	5803
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Veronica anagallis-aquatica</i> L. <i>Veronica anagallis</i> L. PLANTAGINACEAE	5811
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Viburnum lantana</i> L. <i>Viburnum opulus</i> L. ADOXACEAE	5839
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, Gadzhi Rdzhabov Kamaludinovich, Aslan Aliev Muradalievich, George Fayvush, and Alla Aleksanyan	
<i>Vicia cracca</i> L. <i>Vicia faba</i> L. <i>Vicia lutea</i> L. <i>Vicia sativa</i> L. <i>Vicia villosa</i> Roth FABACEAE	5851
Aslan Aliev Muradalievich, Gadzhi Rdzhabov Kamaludinovich, Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	

<i>Vigna angularis</i> (Willd.) Ohwi & H. Ohashi <i>Vigna radita</i> (L.) R. Wilczek var. <i>radita</i> <i>Vigna unguiculata</i> (L.) Walp. var. <i>unguiculata</i>	
FABACEAE	5877
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, and Zaal Kikvidze	
<i>Vinca erecta</i> Regel & Schmalhausen <i>Vinca major</i> L. APOCYNACEAE	5883
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, and Lea Müller	
<i>Viola alba</i> Besser <i>Viola arvensis</i> Murray <i>Viola mirabilis</i> L. <i>Viola odorata</i> L. <i>Viola tricolor</i> L. VIOLACEAE	5889
Rainer W. Bussmann, Naiba P. Mehdiyeva, Valida M. Alizade, Farzaneh Khajoei Nasab, Amin Zeraatkar, Narel Y. Paniagua-Zambrana, George Fayvush, Alla Aleksanyan, Zaal Kikvidze, Manana Khutsishvili, Lea Müller, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, and Inesa Maisaia	
<i>Viscum album</i> L. SANTALACEAE	5919
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, and Davit Tchelidze	
<i>Vitex agnus-castus</i> L. LAMIACEAE	5929
Naiba P. Mehdiyeva and Rainer W. Bussmann	
<i>Vitis labrusca</i> L. <i>Vitis sylvestris</i> C.C. Gmelin <i>Vitis vinifera</i> L. VITACEAE	5933
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Naiba P. Mehdiyeva, Valida M. Alizade, Rashad Salimov, Nigar Mursal, George Fayvush, and Alla Aleksanyan	
<i>Xanthium spinosum</i> L. <i>Xanthium strumarium</i> L. ASTERACEAE	5961
Rainer W. Bussmann, Olim K. Khojimatov, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, and Ketevan Batsatsashvili	
<i>Xanthogalum purpurascens</i> Avé-Lall. APIACEAE	5971
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, and Lea Müller	
<i>Xeranthemum cylindraceum</i> Sm. <i>Xeranthemum inapertum</i> (L.) Mill. <i>Xeranthemum squarrosus</i> Boiss. ASTERACEAE	5973
Naiba P. Mehdiyeva, Valida M. Alizade, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, and Lea Müller	

<i>Yucca filamentosa</i> L. ASPARAGACEAE	5977
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, and Lea Müller	
<i>Zantedeschia aethiopica</i> (L.) Spreng. ARACEAE	5983
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, and Lea Müller	
<i>Zea mays</i> L. POACEAE	5989
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Lea Müller, Aslan Aliev Muradalievich, and Magomed D. Dibirov	
<i>Zelkova carpinifolia</i> (Pall.) K. Koch <i>Zelkova serrata</i> (Thunb.) Makino ULMACEAE	6001
Naiba P. Mehdiyeva, Valida M. Alizade, Rashad Salimov, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Shalva Sikharulidze, Davit Tchelidze, and Lea Müller	
<i>Ziziphora clinopodioides</i> Lam. <i>Ziziphora puschkinii</i> Adams. <i>Ziziphora serpyllacea</i> M. Bieb. <i>Ziziphora tenuior</i> L. LAMIACEAE	6007
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Lea Müller, Olim K. Khojimatov, Naiba P. Mehdiyeva, Valida M. Alizade, Rashad Salimov, Nigar Mursal, George Fayvush, and Alla Aleksanyan	
<i>Ziziphus jujuba</i> Mill. RHAMNACEAE	6021
Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Zaal Kikvidze, Ketevan Batsatsashvili, Manana Khutsishvili, Inesa Maisaia, Shalva Sikharulidze, Davit Tchelidze, Naiba P. Mehdiyeva, Nigar Mursal, George Fayvush, and Alla Aleksanyan	
<i>Zosima absinthifolia</i> Link. APIACEAE	6037
Naiba P. Mehdiyeva, Valida M. Alizade, Rashad Salimov, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Lea Müller, George Fayvush, and Alla Aleksanyan	
<i>Zostera minor</i> (Cav.) Notte ex Rehb. ZOSTERACEAE	6041
Naiba P. Mehdiyeva and Rainer W. Bussmann	
<i>Zygophyllum atriplicoides</i> Fisch. & C.A. Mey. <i>Zygophyllum fabago</i> L. ZYGOPHYLLACEAE	6043
Naiba P. Mehdiyeva, Nigar Mursal, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, and Lea Müller	

<i>Capsella bursa-pastoris</i> (L.) Medic. BRASSICACEAE	6053
Fazina Vagabova Askeralievna, Aslan Aliev Muradalievich, Rainer W. Bussmann, Narel Y. Paniagua-Zambrana, Manana Khutsishvili, Zaal Kikvidze, Lea Müller, Olim K. Khojimatov, Ketevan Batsatsashvili, Shalva Sikharulidze, Davit Tchelidze, Inesa Maisaia, Farzaneh Khajoei Nasab, and Amin Zeraatkar	
Part III Fungal Chapters	6069
<i>Agaricus arvensis</i> Schaeff. <i>Agaricus campestris</i> L. <i>Agaricus sylvaticus</i> Schaeff. <i>Agaricus tabularis</i> Peck <i>Agaricus xanthodermus</i> Genev. <i>Agaricus urinascens</i> (Jul. Schäff. & F.H. Möller) Singer	
AGARICACEAE	6071
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Amanita caesarea</i> (Scop.) Pers. <i>Amanita rubescens</i> Pers.	
AMANITACEAE	6083
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Armillariella mellea</i> (Vahl) P. Kumm PHYSALACRIACEAE	6089
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Auricularia auricula-judae</i> (Bull.) Quél. AURICULARIACEAE	6095
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Boletus aereus</i> Bull. <i>Boletus edulis</i> Bull. BOLETACEAE	6099
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, Naiba P. Mehdiyeva, Elgun Huseyn Mustafabayli, Nigar Mursal, and Rainer W. Bussmann	
<i>Bovista nigrescens</i> Pers. <i>Bovista plumbea</i> Pers. AGARICACEAE	6105
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Calocybe gambosa</i> (Fr.) Donk LYOPHYLLACEAE	6113
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Cantharellus cibarius</i> Fr. CANTHARELLACEAE	6117
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, Naiba P. Mehdiyeva, Elgun Huseyn Mustafabayli, Nigar Mursal, and Rainer W. Bussmann	
<i>Cerioporus squamosus</i> (Huds.) Quél. POLYPORACEAE	6121
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	

<i>Chlorophyllum rhacodes</i> (Vittad.) Vellinga Agaricaceae	6125
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Clavariadelphus pistillaris</i> (L.) Donk CLAVARIDELPHACEAE	6129
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Clavatia gigantea</i> (Batsch) Rostk. AGARICACEAE	6131
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Clitocybe nebularis</i> (Batsch) P. Kumm TRICHOLOMATACEAE	6135
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Clitopilus prunulus</i> (Scop.) P. Kumm. ENTOLOMATACEAE	6139
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Coprinellus micaceus</i> (Bull.) Vilgalys Hopple & Jacq. Johnson PSATHYRELLACEAE	6141
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Coprinopsis atramentaria</i> (Bull.) Redhead, Vilgalys & Moncalvo PSATHYRELLACEAE	6145
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Coprinus comatus</i> (O.F. Müll.) Pers. AGARICACEAE	6149
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Cortinarius violaceus</i> (L.) Fr. Gray CORTINARIACEAE	6153
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Craterellus cornucopioides</i> (L.) Pers. HYDNACEAE	6155
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Daedalea quercina</i> (L.) Pers. FOMITOPSIDACEAE	6159
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Fistulina hepatica</i> (Schaeff.) With. FISTULINACEAE	6163
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	

<i>Flammulina velutipes</i> (Curtis) Singer PHYSALACRIACEAE	6167
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Fomes fomentarius</i> (L.) Fr. POLYPORACEAE	6169
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Fomitopsis betulina</i> (Bull.) B.K. Cui, M.L. Han, Y.C. Dai FOMITOPSIDACEAE	6173
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Helvella lacunosa</i> Afzel. HELVELLACEAE	6175
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Hericium erinaceus</i> (Bull.) Pers. HERICIACEAE	6177
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Hydnum repandum</i> Fr. HYDNACEAE	6181
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Hygrocybe conica</i> (Schaeff.) P. Kumm. HYGROPHORACEAE	6183
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Hypholoma fasciculare</i> (Huds.) P. Kumm. <i>Hypholoma lateritium</i> (Schaeff.) P. Kumm. STROPHARIACEAE	6185
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Kuehneromyces mutabilis</i> (Schaeff.) Singer & A.H. Sm. STROPHARIACEAE	6189
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Laccaria laccata</i> (Scop.) Cooke HYDNANGIACEAE	6191
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Lactarius deliciosus</i> (L. ex Fr.) S.F. Grey <i>Lactarius flexuosus</i> (Pers.) Gray <i>Lactarius piperatus</i> (L.) Pers. <i>Lactarius scrobiculatus</i> (Scop.) Fr. <i>Lactarius torminosus</i> (Schaeff.) Gray <i>Lactarius vellereus</i> (Fr.) Fr. <i>Lactarius volemus</i> (Fr.) Fr. <i>Lactarius zonarius</i> (Bull.) Fr. RUSSULACEAE	6195
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, Naiba P. Mehdiyeva, Elgun Huseyn Mustafabayli, Nigar Mursal, and Rainer W. Bussmann	

<i>Leccinellum crocipodium</i> (Letell.) Della Maggiora & Trassin.	
<i>Leccinellum griseum</i> (Quél.) Bresinsky & Manfr. Binder	
BOLETACEAE	6205
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Leccinum aurantiacum</i> (Bull.) Gray <i>Leccinum scabrum</i> (Bull.)	
Gray BOLETACEAE	6209
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Lepista nuda</i> (Bull.) Cooke <i>Lepista sordida</i> (Schumach.) Singer	
TRICHOLOMATACEAE	6213
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, Naiba P. Mehdiyeva, Elgun Huseyn Mustafabayli, Nigar Mursal, and Rainer W. Bussmann	
<i>Lycoperdon perlatum</i> Pers. <i>Lycoperdon pyriforme</i> Schaeff. <i>Lycoperdon utriforme</i> Bull.	6219
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Lyophyllum decastes</i> (Fr.) Singer LYOPHYLLACEAE	6225
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Macrolepiota procera</i> (Scop.) Singer AGARICACEAE	6229
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Marasmius oreades</i> (Bolton) Fr. MARASMIACEAE	6235
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Melanelia stygia</i> (L.) Essl. PARMELIACEAE	6239
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Morchella esculenta</i> (L.) Pers. <i>Morchella semilibera</i> DC.	
MORECHELLACEAE	6241
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, Naiba P. Mehdiyeva, Elgun Huseyn Mustafabayli, Nigar Mursal, and Rainer W. Bussmann	
<i>Mycetinis scorodonius</i> (Fr.) A. W. Wilson & Desjardin	
OMPHALOTACEAE	6245
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	

<i>Neoboletus erythropus</i> (Pers.) C. Hahn	6247
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Panus rudis</i> Fr. PANACEAE	6249
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Phallus impudicus</i> L. PHALLACEAE	6253
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Pleurotus cornicopiae</i> (Paulet) Rolland, <i>Pleurotus ostreatus</i> (Jacq. ex Fr.) P. Kumm. PLEUROTACEAE	6257
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Pseudevernia furfuracea</i> (L.) Zopf PARMELIACEAE	6261
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Ramaria flava</i> (Schaeff.) Quél. GOMPHACEAE	6265
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Russula adusta</i> (Pers.) Fr. <i>Russula aeruginea</i> Lindblad ex Fr. <i>Russula aurea</i> Pers. <i>Russula cyanoxantha</i> (Schaeff.) Fr. <i>Russula</i> <i>delica</i> Fr. <i>Russula emetica</i> (Schaeff.) Pers. <i>Russula foetens</i> Pers. <i>Russula lutea</i> Fr. <i>Russula rosea</i> Pers. <i>Russula vesca</i> Fr. <i>Russula</i> <i>virescens</i> (Schaeff.) Fr. RUSSULACEAE	6269
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, Naiba P. Mehdiyeva, Elgun Huseyn Mustafabayli, Nigar Mursal, and Rainer W. Bussmann	
<i>Sarcodon imbricatus</i> (L.) P. Karst. BANKERACEAE	6283
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Sarcoscypha coccinea</i> (Jacq.) Lambotte SARCOSCYOHACEAE	6285
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Sparassis crispa</i> (Wulfen) Fr. SPARASSIDACEAE	6287
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Suillellus luridus</i> (Schaeff.) Murrill	6291
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	

<i>Suillus granulatus</i> (L.) Roussel	
<i>Suillus luteus</i> (L.) Roussel	
SUILLACEAE	6295
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Tricholoma aurantium</i> (Schaeff.) Ricken	
<i>Tricholoma portentosum</i>	
(Fr.) Quél. TRICHOLOMATACEAE	6299
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Usnea florida</i> (L.) Weber ex F.H. Wigg.	
PARMELIACEAE	6303
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	
<i>Xanthoparmelia conspersa</i> (Ehrh. ex Ach.) Hale	
<i>Xanthoparmelia digitiformis</i> (Elix & P.M. Armstr.) Filson	
<i>Xanthoparmelia pulla</i> (Ach.)	
O. Blanco, A. Crespo, Elix, D. Hawksw. & Lumbsch	
PARMELIACEAE	6305
Angelina Jorjadze, Inga Kupradze, Ketevan Batsatsashvili, and Rainer W. Bussmann	

About the Editors



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