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RECENT BRYOLOGICAL LITERATURE OF EAST EUROPE AND NORTH ASIA. XIV.

НОВАЯ БРИОЛОГИЧЕСКАЯ ЛИТЕРАТУРА ПО ВОСТОЧНОЙ ЕВРОПЕ И СЕВЕРНОЙ АЗИИ. XIV

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The present paper includes publications appeared mostly in 2019-2022. Brief abstracts from conferences are mostly not included.

Proceedings of one conference are abbreviated as follow (here marked in boldface):

В данный выпуск включены работы в основном 2019-2022 гг. (краткие тезисы конференций б. ч. не приводятся).

Материалы одной конференции сокращаются следующим образом (выделено жирным):

*В кн.: Материалы конференции «**XI Галкинские Чтения**» (Санкт-Петербург, 21 апреля 2021 г.).* [***In***: *Proceedings of the «**XI meeting in memoriam of Ekaterina Alexeevna Galkina**» (Saint-Petersburg, April 21, 2021)*]. *СПб.* [*Saint Petersburg*]

AFONINA, O.M., I. V. CZERNYADJEVA, O.YU. PISARENKO & V. E. FEDOSOV. 2022. Mosses of the northern Russian Far East, an annotated check-list. – *Botanica Pacifica* **11**: 1–28. https://doi.org/10.17581/bp.2022.11206

AFONINA, O.M., S.G. KAZANOVSKY, O.YU. PISARENKO, A.V. FEDOROVA & E.A. IGNATOVA. 2019. *Pseudotaxiphyllum subfalcatum* (Plagiotheciaceae, Bryophyta) in Asia: one more species with an arcto-tertiary disjunction. – *Arctoa* **28**(2): *143–148*. https://doi.org/10.15298/arctoa.28.11. /*Pseudotaxiphyllum subfalcatum* is found in herbarium collections from Asiatic Russia. Its identity is confirmed by molecular markers, and sequence data from GenBank also indicate the occurrence of this species in Japan. The description and illustration of Russian specimens are provided and a comparison of the three *Pseudotaxiphyllum* species currently known in Russia is given.

[AFONINA, O.M.] АФОНИНА О.М. 2019. К флоре мхов Алтачейского заказника (Республика Бурятия). – [Contribution to the moss flora of Altacheisky Sanctuary (Republic of Buryatia)] *Ботанический журнал* [*Botanicheskii Zhurnal*] **104**(11): *1681–1697*. https://doi.org/10.1134/S0006813619110024

[AFONINA, O.M.] АФОНИНА О.М. 2021. Флора мхов Ниловой пустыни (Восточный Саян, Республика Бурятия). – [The moss flora of Nilova Pustyn' (Eastern Sayan, Republic of Buryatia)] *Ботанический журнал* [*Botanicheskii Zhurnal*] **106**(10): *971–985*. https://doi.org/110.31857/S0006813621100021 /Annotated list includes 162 mosses.

ANDREEV, M. & L. KURBATOVA] АНДРЕЕВ М.П., Л.Е. КУРБАТОВА. 2020. Лишайники и мохообразные Антарктиды – история и результаты исследований советских и российских ботаников и перспективы дальнейшего изучения растительного мира Антарктики. – [Lichens and bryophytes of Antarctica – the history and results of research by Soviet and Russian botanists and prospects for further study of the flora of Antarctica] *Вопросы географии* [*Questions of Geography*] **150**: *112–134*.

ANDREEV, M., D. ANDERSEN, L. KURBATOVA, S. SMIRNOVA & O. CHAPLYGINA. 2020. Lichens, bryophytes and terrestrial algae of the Lake Untersee Oasis (Wohlthat Massiv, Dronning Maud Land, Antarctica). – *Czech Polar Reports* **10**(2): *203–225*. https://doi.org/10.5817/CPR2020-2-16

[ANDREEVA, E.N.] АНДРЕЕВА Е.Н. 2020. Антоцеротофиты, печеночники и настоящие мхи Рдейского заповедника и его ближайших окрестностей. – [Hornworts, liverworts and mosses of the Rdeysky Nature Reserve and in the neighbourhood] *В кн.: Труды Государственного природного заповедника «Рдейский». Вып. 5* [*In.: Proceedings of the Rdeysky state natural reserve. 5*] *Великие Луки* [*Velikie Luki*]: *5–31*. /Annotated list includes 100 species of mosses and 40 species of liverworts.

[ANDREEVA, E.N.] АНДРЕЕВА Е.Н. 2020. Мохообразные / Флора. – [Bryophytes / Flora] *В кн.: Природа заказника «Северное побережье Невской губы»* [*In.: Nature of the reserve «Severnoe poberezhye Nevskoy guby»*] *СПб* [*Saint-Petersburg*]: *91–103*. /Annotated list includes 123 species.

[ANDREEVA, E.N.] АНДРЕЕВА Е.Н. 2021. Влияние климата на видовой состав мхов и печеночников Черноморского побережья Западного Кавказа. – [The influence of climate on the species composition of mosses and liverworts of the Black Sea coast of the Western Caucasus] *В кн.: Материалы Всероссийской научно-практической конференции с международным участием «Современное состояние и перспективы сохранения биоресурсов: глобальные и региональные процессы», Майкоп, 15 декабря 2021 г.* [*In: Proceedings of the all-Russian scientific and practical conference with international participation «Current state and prospects of conservation of biological resources: global and regional processes», Maykop, December 15, 2021*] *Майкоп* [*Maykop*]: *35–42*. https://doi.org/10.47370/978-5-91692-926-3-2021-35-42

[ANDREEVA, E.N.] АНДРЕЕВА Е.Н. 2021. Распространение редко встречающихся и охраняемых видов печеночников и мхов в низовьях горных рек Западного Кавказа. – [Anthropogenic dynamics of rare and protected species of liverworts and mosses in the lower reaches of mountain rivers of the Western Caucasus] *В кн.: Труды Кольского научного центра РАН. Прикладная экология Севера. Вып. 9* [*In.: Transacions of the Kola Science Centre. Applied Ecology of the North. Series 9*] **12**(6): *75–89*. https://doi.org/10.37614/2307-5252.2021.6.12.9.010

ATWOOD, J.J. & YU.S. MAMONTOV. 2020. Notes on *Frullania chilcootiensis* (Frullaniaceae, Marchantiophyta) with a new synonym, lectotypification and an expanded distribution. – *Botanica Pacifica* **9**(2): *191–195*. DOI: https://doi.org./10.17581/bp.2020.09212

ATWOOD, J.J. & YU.S. MAMONTOV. 2021. *Frullania tibetica* (Frullaniaceae), a new species from Tibet, China. – *Novon* **29**: *305–310.*

ATWOOD, J.J., A.A. VILNET, J. LARRAÍN & YU.S. MAMONTOV. 2021. *Frullania subpyricalycina* Herzog (Frullaniaceae, Marchantio-

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[3] – Tsitsin Main Botanical Garden of Russian Acad. of Scienses, Botanicheskaya 4, Moscow, 127276 Russia

phyta). – *Journal of Bryology* **43**(4): *330–338*. https://doi.org/10.1080/03736687.2021.2007332 /*Frullania subpyricalycina*, a little-known liverwort species endemic to central Chile, is described and illustrated based on newly collected specimens as well as on undetermined and previously misdetermined herbarium specimens in MO.

ATWOOD, J.J., A.A. VILNET & YU.S. MAMONTOV. 2021. The taxonomic position and lectotypification of *Frullania diversitexta* Steph. (Frullaniaceae, Marchantiophyta) and its synonyms, with notes on the placement of *F. ignatovii* Sofronova, Mamontov & Potemkin. – *Cryptogamie*, *Bryologie* **42**(3): *19–31*. https://doi.org/10.5252/cryptogamie-bryologie2021v42a3

BAISHEVA, E.Z. & I.G. BIKBAEV. 2021. On the bryophyte diversity of black alder forests in the Republic of Bashkortostan (the Southern Urals region). – *IOP Conference Series: Earth and Environmental Science* **876**: 012010. https://doi.org./10.1088/1755-1315/876/1/012010. /The list includes 56 mosses and 15 liverworts.

BAISHEVA, E.Z. & L.A. VALITOVA. 2021. To the bryophyte flora of communities of steppes and steppe scrubs in the bashkir Cis-Urals (The Southern Urals Region). – *Arctoa* **30**(1): *47–54*. https://doi.org/10.15298/arctoa.30.05. /An annotated list includes 3 liverworts and 54 mosses.

[BAISHEVA, E.Z., A.A. MULDASHEV & L.A. VALITOVA] БАИШЕВА Э.З., А.А. МУЛДАШЕВ, Л.А. ВАЛИТОВА. 2020. К флоре памятника природы "Водопад Кукрауk" и его окрестностей (Республика Башкортостан). – [On the flora of the natural monument "Kukrauk Waterfall" and its surroundings (the Republic of Bashkortostan)]. *Вестник Оренбургского государственного педагогического университета* [*Vestnik Orenburgskogo gosudarstvennogo pedagogicheskogo universiteta*] **3** (35): *1–16*. https://doi.org./10.32516/2303-9922.2020.35.1 /The list includes 57 mosses and 9 liverworts.

BAISHEVA, E.Z., A.A. MULDASHEV, V.B. MARTYNENKO, N.I. FEDOROV, I.G. BIKBAEV, T.YU. MINAYEVA & A.A. SIRIN. 2020. Plant diversity and spatial vegetation structure of the calcareous spring fen in the "Arkaulovskoye Mire" Protected Area (Southern Urals, Russia). – *Mires and Peat* **26**: *11*. https//doi.org./10.19189/MaP.2019.OMB.StA.1890

[BAISHEVA, E.Z., A.A. MULDASHEV, V.B. MARTYNENKO, P.S. SHIROKIKH, I.G. BIKBAYEV & V.P. PUTENIKHIN] БАИШЕВА Э.З., А.А. МУЛДАШЕВ, В.Б. МАРТЫНЕНКО, П.С. ШИРОКИХ, И.Г. БИКБАЕВ, В.П. ПУТЕНИХИН. 2019. Флора памятника природы «Черношарское болото» (Южное Предуралье). – [Flora of the natural monument "Chernosharskoye Mire" (Southern Fore-Urals, the Republic of Bashkortostan)] *Экосистемы* **[***Ekosistemy*] **20**: *3–20*. /The list includes 62 mosses and 18 liverworts.

BAKALIN, V.A., V.E. FEDOSOV, A.V. FEDOROVA & V.S. NGUYEN. 2019. Integrative taxonomic revision of *Marsupella* (Gymnomitriaceae, Hepaticae) reveals neglected diversity in Pacific Asia. – *Cryptogamie, Bryologie* **40** (7): *59–85*. https://doi.org/10.5252/cryptogamie-bryologie2019v40a7. http://cryptogamie.com/bryologie/40/7

BAKALIN, V.A., K.A. KORZNIKOV & K.G. KLIMOVA. 2019. To the knowledge of liverwort flora of Balagan Mountain and Vengeri River Valley (Sakhalin Island, North-West Pacific). – *Bulletin of the BGI FEB RAS 22*: in print.

BAKALIN, V.A., T.V. STUPNIKOVA & K.G. KLIMOVA. 2019. New input to the knowledge of the liverwort flora of Amur Province (the Russian Far East). – *Bulletin of the BGI FEB RAS 22*: in print.

BAKALIN, V.A. 2020. A review of Lejeuneaceae (Marchantiophyta) in the Russian Far East. – *Botanica Pacifica* **8**(2): *85–106*. DOI: https://doi.org./10.17581/bp.2019.08208.

BAKALIN, V.A. & K.G. KLIMOVA. 2020. A review of Radulaceae (Marchantiophyta) in the Russian Far East. – *Botanica Pacifica* **9**(2): *133–153*. https://doi.org/10.17581/bp.2020.09204

BAKALIN, V. & A. VILNET. 2019. *Lophozia fuscovirens* sp. nov. (Lophoziaceae, Marchantiophyta): the second taxon with brown gemmae within *Lophozia* s.str. – *Nordic Journal of Botany* **2019**: e02294. https://doi.org/10.1111/njb.02294

BAKALIN, V. & A. VILNET. 2020. *Plagiochila xerophila* (Plagiochilaceae, Marchantiophyta) – a highly xerophilous new species from the Tibetan Spur (China). – *Plant Ecology and Evolution* **153**(1): *120–131*.

BAKALIN, V.A., S.S. CHOI, S.J. PARK, S.H. SIM & C.W. HYUN. 2020. A taxonomic revision of Solenostomataceae (Marchantiophyta) in Korea. – *Korean Journal of Plant Taxonomy* 50(2): *120–147*.

BAKALIN, V.A., V.E. FEDOSOV, Y.D. MALTSEVA, I.A. MILYUTINA, K.G. KLIMOVA, H.M. NGUYEN & A.V. TROITSKY. 2020. Overview of *Schistochilopsis* (Hepaticae) in Pacific Asia with the Description *Protochilopsis* gen. nov. – *Plants* **9**: *850.*

BAKALIN, V.A., K.G. KLIMOVA & V.S. NGUYEN. 2020 A review of *Calypogeia* (Marchantiophyta) in the eastern Sino-Himalaya and Meta-Himalaya based mostly on types. – *PhytoKeys* **153**: *111–154*. https://doi.org/10.3897/phytokeys.153.52920 https://phytokeys.pensoft.net/article/52920/

BAKALIN, V.A., A.A. VILNET, S.S. CHOI & V.S. NGUYEN. 2020. *Blepharostoma trichophyllum* s.l. (Marchantiophyta): the complex of sibling species and hybrids. – *Plants* **9**: 1423.

BAKALIN, V.A., A.A. VILNET, K.G. KLIMOVA, W.Z. MA, S.S. CHOI & J. HENTSCHEL. 2021. Hidden in plain view: an example from *Ptilidium* (Ptilidiaceae, Marchantiophyta). – *Phytotaxa* **510**(1): *29–42*. https://doi.org/10.11646/phytotaxa.510.1.3

BAKALIN, V.A. A.A. VILNET, K.G. KLIMOVA, W.Z. MA & V.S. NGUYEN. 2020. *Diplophyllum purpurascens* (Scapaniaceae, Marchantiophyta)—a new species from Sino-Himalaya (China). – *Phytotaxa* **447**(2): *116–126*.

BAKALIN, V. A. VILNET & V.S. NGUYEN. 2020. *Vietnamiella epiphytica* – a new genus and species of Anastrophyllaceae (Hepaticae). – *The Bryologist* **123**(1): *48–63*. https://doi.org/10.1639/0007-2745-123.1.048

BAKALIN, V., S.S. CHOI & S.J. PARK. 2021. Revision of Gymnomitriaceae (Marchantiophyta) in the Korean Peninsula. – *PhytoKeys* **176**: *77–110*. https://doi.org/10.3897/phytokeys.176.62552

BAKALIN, V., S.S. CHOI & S.J. PARK. 2021. Review of *Heteroscyphus* Schiffn. (Lophocoleaceae, Marchantiophyta) in Cambodia. – *Journal of Bryology* **43**(1): *52–61*. /The revision of *Heteroscyphus* in Cambodia revealed seven species, five of which have been recorded for the first time in the country. https://doi.org/10.1080/03736687.2020.1815383

BAKALIN, V.A., V.E. FEDOSOV, A.V. FEDOROVA & W.Z. MA. 2021. Obtusifoliaceae, a new family of leafy liverworts to accommodate *Konstantinovia*, newly described from the Hengduan Mts. (South China) and *Obtusifolium* (Cephaloziineae, Marchantiophyta). – *Plant Systematics and Evolution* **307**: 62. https://doi.org/10.1007/s00606-021-01779-8

BAKALIN, V., V. FEDOSOV, D.G. LONG, A. FEDOROVA & Y. MALTSEVA. 2021. *Protoharpanthus* gen. nov. (Harpanthaceae) – a relict relative of *Harpanthus* from the Sino-Himalaya. – *The Bryologist* **124**(2): *218–229*. https://doi.org/10.1639/0007-2745-124.2.218

BAKALIN, V., K. KLIMOVA, D. BAKALIN & S.S. CHOI. 2021. Liverwort flora of Ayan – a gained link between subarctic and hemiboreal floras in West Okhotiya (Pacific Russia). – *Biodiversity Data Journal* **9**: e65199. https://doi.org/10.3897/BDJ.9.e65199

BAKALIN, V.A., Y.D. MALTSEVA, A. VILNET & S.S. CHOI. 2021. The transfer of *Tritomaria koreana* to *Lophozia* has led to recircumscription of the genus and shown convergence in Lophoziaceae (Hepaticae). – *Phytotaxa* **512**(1): *41–56*. https://doi.org/10.11646/phytotaxa.512.1.3

BAKALIN, V., V.S. NGUYEN, K. KLIMOVA, D. BAKALIN & H.M. NGUYEN. 2021. Where and how many new additions to the liverwort flora of Vietnam may be found? – *The Bryologist* **124**(3): *391–402*. https://doi.org/10.1639/0007-2745-124.3.391

BAKALIN, V.A., K.G. KLIMOVA, D.A. BAKALIN & S.S. CHOI. 2022. The taxonomically richest liverwort hemiboreal flora in Eurasia is in the South Kurils. – *Plants* **11**: *2200*. https://doi.org/10.3390/plants11172200

BAKALIN, V.A., K.G. KLIMOVA, E.A. KARPOV, D.A. BAKALIN & S.S. CHOI. 2022. Liverworts of the South Kamchatka Nature Park: survival in active volcanism land. – *Diversity* 14: *722*. https://doi.org/10.3390/d14090722

BAKALIN, V.A., Y.D. MALTSEVA, K.G. KLIMOVA, V.S. NGUYEN, S.S. CHOI & A.V. TROITSKY. 2022. The systematic position of puzzling Sino-Himalayan *Lophocolea sikkimensis* (Lophocoleaceae, Marchantiophyta) is identified. – *PhytoKeys* **206**: *1–24*. https://doi.org/10.3897/phytokeys.206.84227

BAKALIN, V.A., Y.D. MALTSEVA, F. MÜLLER, K.G. KLIMOVA, V.S. NGUYEN, S.S. CHOI & A.V. TROITSKY. 2022. *Calypogeia* (Calypogeiaceae, Marchantiophyta) in Pacific Asia: updates from molecular revision with particular attention to the genus in North Indochina. – *Plants* **11**: 983. https://doi.org/10.3390/plants11070983

BAKALIN, V.A. A.A,. VILNET, D. LONG, K. KLIMOVA, Y. MALTSEVA, V.S. NGUYEN & W.Z. MA. 2022. On two species of *Gymnomitrion* (Gymnomitriaceae, Marchantiophyta) in the Eastern Sino-Himalaya. – *Phytotaxa* **533**(2): ///. https://doi.org/10.11646/phytotaxa.533.2.1

BAKALIN, V.A., A.A. VILNET, Y.S. MAMONTOV, A. SCHÄFER-VERWIMP, Y.D. MALTSEVA, K.G. KLIMOVA, V.S. NGUYEN & S.S. CHOI. 2022. *Stolonicaulon*: a section-puzzle within *Marsupella* (Gymnomitriaceae, Marchantiophyta). – *Plants* **11**: *1596*. https://doi.org/10.3390/plants11121596

BATAN, N., A. VILNET, G. ABAY, H. ERATA & T. ÖZDEMIR. 2022. The first record of *Scapania cuspiduligera* (Marchantiophyta: Scapaniaceae) in Turkish and Southwest Asia liverwort flora supported from molecular data. – *Nova Hedwigia* **114**(3-4): *365–374*. https://doi.org/10.1127/nova_hedwigia/2022/0689

[BELDIMAN, L.N., I.N. URBANAVICHENE, V.E. FEDOSOV & E.YU. KUZMINA] БЕЛЬДИМАН Л.Н., И.Н. УРБАНАВИЧЕНЕ, В.Э. ФЕДОСОВ, Е.Ю. КУЗЬМИНА. 2020. Мхи и лишайники острова Шокальского (Карское море, Ямало-Ненецкий автономный округ). – [Mosses and lichens of Shokalsky Island (Kara Sea, Yamal-Nenets Autonomous Area)] *Новости систематики низших растений* [*Novosti sistematiki nizshikh rastenii*] **54**(2): *497–513*. https://doi.org/10.31111/nsnr/2020.54.2.497 /Annotated list includes 79 species of mosses and 54 species and 2 subspecies of lichens and lichenicolous fungi.

BELKINA, O.A & A.A. VILNET. 2021. A rare moss *Cynodontium suecicum* (Rhabdoweisiaceae, Bryophyta) on the Barents Sea coast of the Kola Peninsula: morphological and molecular study. – *Новости систематики низших растений* [*Novosti sistematiki nizshikh rastenii*] **55**(2): *427–438*. https://doi.org/10.31111/nsnr/2021.55.2.427 / Specimens of *Cynodontium suecicum* were collected near Drozdovka Bay on the Barents Sea coast of the Kola Peninsula. They were compared with samples of *C. suecicum* from the Teriberka area (the coast of the Barents Sea). Discussion and illustration are provided.

[BELKINA, O.A., & A.YU. LIKHACHEV] БЕЛКИНА О.А., А.Ю. ЛИХАЧЕВ. 2021. К флоре мхов тундровой зоны Кольского полуострова (Северо-Запад России). – [Contribution to the moss flora of tundra zone of the Kola Peninsula (North-West of Russia)] *Новости систематики низших растений* [*Novosti sistematiki nizshikh rastenii*] **55**(1): *229–247*. https://doi.org/10.31111/nsnr/2021.55.1.229 / Annotated list includes 203 species of mosses. For every species, data on localities, frequency, habitats are provided.

[BELKINA, O.A., R.P. OBABKO, E.A. BOROVICHEV & A.YU. LIKHACHEV] БЕЛКИНА О.А., Р.П. ОБАБКО, Е.А. БОРОВИЧЕВ, А.Ю. ЛИХАЧЕВ. 2020. Мхи района озера Вайкис (горный массив Монче-тундра, Мурманская область) – ключевой ботанической территории. – [Mosses of the Important Plant Area in Vaikis Lake Valley environs (Monche-Tundra Ridge, Murmansk Region)] *Новости систематики низших растений* [*Novosti sistematiki nizshikh rastenii*] **54**(2): *479–495*. https://doi.org/10.31111/nsnr/2020.54.2.479 / Annotated list includes 124 species of mosses.

BELL, N.E. & M.S. IGNATOV. 2019. Placing the regionally threatened moss *Orthodontium gracile* in the big picture. Phylogeny, genome incongruence and anthropogenic dispersal in the order Orthodontiales. – *Molecular Phylogenetics and Evolution* **134**: 186–199 https://doi.org/10.1016/j.ympev.2018.12.024

[BEZGODOV, A.G. & N.A. KONSTANTINOVA] БЕЗГОДОВ А.Г., Н.А. КОНСТАНТИНОВА. 2019. Редкие мохообразные Европы в Пермском крае. – [Rare european bryophyte species in Perm Territory]. *Вестник Пермского государственного гуманитарно-педагогического университета. Сер. № 2. Физико-математические и естественные науки. Вып. 1: электрон. науч. журнал* [*Vestnik Permskogo gosudarstvennogo gumanitarno-pedagogicheskogo universiteta. Ser. 2. Fizikomatematicheskie nauki. Vyp. 1: elektronnyj nauchnyj zhurnal*] Пермь [Perm]: *34–45*. https://doi.org./10.24411/2308-720X-2019-10001 /The annotated list of threatened in Europe mosses and hepatics recorded in Perm Territory includes 35 species. For each species, all known locations in the region are given, some features of the collected samples are discussed.

[BEZGODOV, A.G., K.O. PECHENKINA & E.A. SHCHIPANOVA] БЕЗГОДОВ А.Г., К.О. ПЕЧЕНКИНА, Е.А. ЩИПАНОВА. 2019. Материал к бриофлоре долины Чусовой (Средний Урал). – [Contributions to the moss flora of Chusovaya River valley (Middle Urals)]. *Вестник Пермского государственного гуманитарно-педагогического университета. Сер. № 2. Физико-математические и естественные науки. Вып. 1: электрон. науч. журнал* [*Vestnik Permskogo gosudarstvennogo gumanitarno-pedagogicheskogo universiteta. Ser. 2. Fizikomatematicheskie nauki. Vyp. 1: elektronnyj nauchnyj zhurnal*] Пермь [Perm]: *4–33*. https://doi.org./10.24411/2308-720X-2019-10006 /Annotated list includes 206 species.

BONFIM SANTOS, M., V. FEDOSOV, T. HARTMAN, A. FEDOROVA, H. SIEBEL & M. STECH. 2021. Phylogenetic inferences reveal deep polyphyly of Aongstroemiaceae and Dicranellaceae within the haplolepideous mosses (Dicranidae, Bryophyta). – *Taxon* **70**(2): *246–262*. https://doi.org/10.1002/tax.12439

[BOROVICHEV, E., M. KOZHIN & E. IGNATOVA] БОРОВИЧЕВ Е.А., М.Н. КОЖИН, Е.А. ИГНАТОВА. 2022. К флоре мохообразных национального парка “Бузулукский Бор” (Оренбургская область) – [Information on the bryophyte flora of the Buzuluk Bor National Park (Orenburg Region)] *Труды Карельского научного центра РАН* [*Transactions of the Karelian Reserch Centre RAS*] **1**: *76–82*. https://doi.org/10.17076/bg1537 /The bryophyte flora includes 18 liverworts and 68 mosses.

[BOROVICHEV, E., M. KOZHIN, P. IGNASHOV, N. KIRILLOVA, E. KOPEINA, A. KRAVCHENKO, O. KUZNETSOV, S. KUTENKOV, A. MELEKHIN, K. POPOVA, A. RAZUMOVSKAYA, A. SENNIKOV, M. FADEEVA & YU. KHIMICH] БОРОВИЧЕВ Е.А., М.Н. КОЖИН, П.А. ИГНАШОВ, Н.Р. КИРИЛЛОВА, Е.И. КОПЕИНА, А.В. КРАВЧЕНКО, О.Л. КУЗНЕЦОВ, С.А. КУТЕНКОВ, А.В. МЕЛЕХИН, К.Б. ПОПОВА, А.В. РАЗУМОВСКАЯ, А.Н. СЕННИКОВ, М.А. ФАДЕЕВА, Ю.Р. ХИМИЧ. 2020. Значимые находки растений, лишайников и грибов на территории Мурманской области. II. – [Noteworthy records of plants, lichens and fungi in the Murmansk Region. II] *Труды Карельского научного центра РАН* [*Transactions of the Karelian Reserch Centre RAS*]**1**: *17–33*. https://doi.org/10.17076/bg1078

[BOROVICHEV, E.A., M. KOZHIN, A. MELEKHIN, G. URBANAVICHUS, YU. KHIMICH & E. KOPEINA] БОРОВИЧЕВ Е.А., М.Н. КОЖИН, А.В. МЕЛЕХИН, Г.П. УРБАНАВИЧЮС, Ю.Р. ХИМИЧ, Е.И. КОПЕИНА. 2021. Значимые находки растений, лишайников и грибов на территории Мурманской области. IV. – [Noteworthy records of plants, lichens and fungi in the Murmansk Region. IV] *Труды Карельского научного центра РАН* [*Transactions of the Karelian Reserch Centre RAS*] **8**: *5–18*. https://doi.org/10.17076/bg1463

[BOROVICHEV, E.A., M.N. KOZHIN, O.L. KUZNETSOV, S.A. KUTENKOV, A.V. MELEKHIN, A.V. RAZUMOVSKAYA, M.A. FADEEVA, YU.R. KHIMICH, N.E. KOROLEVA, P.A. IGNASHOV, E.V. KUDR & K.B. POPOVA] БОРОВИЧЕВ Е.А., М.Н. КОЖИН, О.Л. КУЗНЕЦОВ, С.А. КУТЕНКОВ, А.В. МЕЛЕХИН, А.В. РАЗУМОВСКАЯ, М.А. ФАДЕЕВА, Ю.Р. ХИМИЧ, Н.Е. КОРОЛЕВА, П.И. ИГНАШОВ, Е.В. КУДР, К.Б. ПОПОВА. 2021. Значимые находки растений, лишайников и грибов на территории Мурманской области. III. – [Noteworthy records of plants, lichens and

fungi in Murmansk Region. III] *Труды Карельского научного центра РАН* [*Transactions of the Karelian Reserch Centre RAS*] **1**: *82–93*. https://doi.org/10.17076/bg1251

BRINDA, J.C. & V.E. FEDOSOV. 2020. Proposals to conserve the name *Oreas* Brid. with a conserved type against *Oreas* Cham. & Schltdl. and the name Rhabdoweisiaceae (Dicranales, Bryophyta) – *Taxon* **69**(5): *1105–1106.* https://doi.org/10.1002/tax.12329

BRINDA, J.C., M.S. IGNATOV & V.E. FEDOSOV. 2022. A new combination in *Encalypta* (Encalyptaceae, Bryophyta). – *Novon* **30**: *77–78*. https://doi.org/10.3417/2022768

BUM, H.M., E.-Y. YIM, S.J. PARK, V.A. BAKALIN, S.S. CHOI, S.-A. RYU & C.W. HYUN. 2021. Bryophyte flora of Gayasan Mountain National Park in Korea. – *Korean Journal of Plant Taxonomy* **51**(1): *33–48*.

BUM, H.M., S.J. PARK, V.A. BAKALIN, B. CHOI, S.H. SIM, C.W. HYUN & S.S. CHOI. 2020. Bryophyte flora of Taebaeksan Mountain National Park in Korea. – *Korean Journal of Plant Taxonomy* **50**(3): *262–278.* https://doi.org/10.11110/kjpt.2020.50.3.262

CARGILL, D.C. 2021. *Fossombronia pseudointestinalis* (Fossombroniaceae, Marchantiophyta), a new species from southern Australia. – *Arctoa* **30**(2): *175–186*. https://doi.org/10.15298/arctoa.30.19

CHOI, S.S., V. BAKALIN & S.J. PARK. 2021. Integrating continental mainland and islands in temperate East Asia: liverworts and hornworts of the Korean Peninsula. – *PhytoKeys* **176**: *131–226*. https://doi.org/10.3897/phytokeys.176.56874

CHOI, S.S., V.A. BAKALIN, S.J. PARK, S.H. SIM & C.W. HYUN. 2020. Unrecorded liverwort species from Korean flora III. New data on the distribution of Mannia Opiz (Marchantiophyta*). – Korean Journal of Plant Taxonomy* **50**(2): *227–231*.

CHOI, S.S., V.A. BAKALIN, W. KWON & J. PARK. 2021. The complete mitochondrial genome of *Douinia plicata* (Lindb.) Konstant. et. Vilnet (Scapaniaceae, Jungermanniales). – *Mitochondrial DNA Part B* **6**(3): *789–791*. https://doi.org/10.1080/23802359.2021.1882901

CZERNYADJEVA, I.V., A.D. POTEMKIN & E.I. TROEVA. 2021. Mosses and liverworts of Stolbovoy Island (New Siberian Islands Archipelago, Yakutia). – *Новости систематики низших растений* [*Novosti sistematiki nizshikh rastenii*] **55**(2): *439–467*. https://doi.org/10.31111/nsnr/2021.55.2.439 /Annotated list includes 140 species of mosses and 58 species of liverworts. For every species, data on localities, frequency, habitats are provided.

CZERNYADJEVA, I.V. & M.S. IGNATOV. 2019. Recent bryological literature of East Europe and North Asia. XIII. – *Arctoa* **28**(2): *253–265*. https://doi.org/10.15298/Arctoa.28.24

CZERNYADJEVA, I.V., E.A. DAVYDOV, A.A. EFIMOVA, R.M. GOGOREV, D.E. HIMELBRANT1, V.M. KOTKOVA, E.YU. KUZMINA, A.V. LEOSTRIN, E.L. MOROZ, V.YU. NESHATAEVA, A.A. NOTOV, YU.K. NOVOZHILOV, A.G. PAUKOV, N.N. POPOVA, A.D. POTEMKIN, I.S. STEPANCHIKOVA, YU.V. STOROZHENKO, L.S. YAKOVCHENKO, M.I. YURCHAK, L.F. VOLOSNOVA, M.P. ZHURBENKO & M.V. ZYATNINA. 2021. New cryptogamic records. 7. – *Новости систематики низших растений* [*Novosti sistematiki nizshikh rastenii*] **55**(1): *249–277*. https://doi.org/10.31111/nsnr/2021.55.1.249

CZERNYADJEVA, I.V., O.M. AFONINA & S.S. KHOLOD. 2020. Mosses of the Franz Josef Land Archipelago (Russian Arctic). – *Arctoa* **29**(2): *105–123*. https://doi.org/10.15298/arctoa.29.09. /An annotated list includes 156 species collected from 35 islands of Archipelago. The interesting records are *Arctoa anderssonii, Pohlia beringiensis, Schistidium abrupticostatum, S. andreaeopsis*.

CZERNYADJEVA, I.V., O.M. AFONINA, E.A. DAVYDOV, G.YA. DOROSHINA, O.D. DUGAROVA, A.S. ETYLINA, I.V. FILIPPOV, G.L. FREYDIN, O.V. GALANINA, D.E. HIMELBRANT, M.S. IGNATOV, E.A. IGNATOVA, V.M. KOTKOVA, G.M. KUKURICHKIN, N.S. KURAGINA, E.YU. KUZMINA, E.D. LAPSHINA, M.V. LAVRENTIEV, JU.A. MAKUHA, E.L. MOROZ, A.A. NOTOV, YU.K. NOVOZHILOV, S.YU. POPOV, N.N. POPOVA, A.D. POTEMKIN, I.S. STEPANCHIKOVA, YU.V. STOROZHENKO, D.YA. TUBANOVA, V.A. VLASENKO, L.S. YAKOVCHENKO & M.V. ZYATNINA. 2020. New cryptogamic records. 5. – *Новости систематики низших растений* [*Novosti sistematiki nizshikh rastenii*] **54**(1): *261–286*. https://doi.org/10.31111/nsnr/2020.54.1.261.

CZERNYADJEVA, I.V., T. AHTI, O.N. BOLDINA, S.V. CHESNOKOV, E.A. DAVYDOV, G.YA. DOROSHINA, V.E. FEDOSOV, KH.M. KHETAGUROV, L.A. KONOREVA, V.M. KOTKOVA, E.YU. KUZMINA, M.V. LAVRENTIEV, N.S. LIKSAKOVA, I.A. NIKOLAYEV, N.N. POPOVA, T.V. SAFRONOVA, S.N. SHADRINA & L.S. YAKOVCHENKO. 2020. New cryptogamic records. 6. – *Новости систематики низших растений* [*Novosti sistematiki nizshikh rastenii*] **54**(2): *249–277*. https://doi.org/10.31111/nsnr/2020.54.2.537.

DEGTEVA, S., A. BOBRETSOV, Y. BOBROV, M. DOLGIN, M. DULIN, N. FILIPPOV, N. GONCHAROVA, J. HERMANSSON, V. KANEV, D. KIRILLOV, I. KIRILLOVA, O. KIRSANOVA, S. KOCHANOV, A. KOLESNIKOVA, T. KONAKOVA, A. KOROLEV, D. KOSOLAPOV, O. KULAKOVA, E. KULYUGINA, O. LOSKUTOVA, E. MELEKHINA, O. MINEEV, Y. MINEEV, V. MOROZOV, G. NAKUL, M. PALAMARCHUK, E. PATOVA, S. PESTOV, A. PETROV, I. POLETAEVA, V. PONOMAREV, T. PYSTINA, Y. REBRIEV, R. ROMANOV, N. SELIVANOVA, A. SHIRYAEV, T. SHUBINA, I. STERLYAGOVA, A. TATARINOV, B. TETERYUK, L. TETERYUK, Z. ULLE, O. VALUYSKIKH, A. ZAKHAROV, G. ZHELEZNOVA, A. ZINOVYEVA, Y. DUBROVSKIY, B. GRUZDEV, A. ICHETKINA, V. MARTYNENKO, N. OPLESNINA, V. PANOVA, I. ROMANOVA, M. RUBTSOV, L. RYBIN & N. SEMENOVA. 2021. Occurrences of threatened species included in the third edition of the Red Data Book of the Komi Republic (Russia). – *Biodiversity Data Journal* **9**: *1–20*. https://doi.org/10.3897/bdj.9.e73763

[DOROSHINA, G.YA. & D.D. ARSANUKAEV] ДОРОШИНА Г.Я., Д.Д. АРСАНУКАЕВ. 2021. Сфагновые мхи Чеченской Республики (Восточный Кавказ). – [Sphagnum mosses of Chechen Republic (Eastern Caucasus)] *В кн.: XI Галкинские Чтения* [*In*: *XI meeting in memoriam of E.A. Galkina*]: *90–92*.

DOROSHINA, G.YA. & I.V. CZERNYADJEVA. 2020. Bryophyta Rossica et civitatum collimitanearum exsiccata. Fasciculus XIV (№№ 551–575). – *Arctoa* **29**(1): *98–100*. https://doi.org/10.15298/arctoa.29.07

DOROSHINA, G.YA. 2019. Bryophyta Rossica et Civitatum Collimitanearum Exsiccata. Fasciculus XIII (№№ 526–550). – *Arctoa* **28**(2): *266–270*. https://doi.org/10.15298/Arctoa.28.25

[DOROSHINA, G.YA., M.KH. ALIKHADZHIEV & R.S. ERZHAPOVA] ДОРОШИНА Г.Я., М.Х. АЛИХАДЖИЕВ, Р.С. ЭРЖАПОВА. 2020. Первые сведения о флоре мхов Чеченской республики (Кавказ). – [First data on the moss flora of Chechen Republic (Caucasus)] Ботанический *журнал* [*Botanicheskii Zhurnal*] **105**(5): *429–437*. https://doi.org/10.31857/S0006813620050026 /Annotated list includes 111 mosses.

DUFFY, A.M., B. AGUERO, H.K. STENШIEN, K.I. FLATBERG, M.S. IGNATOV, K. HASSEL & A.J. SHAW. 2020. Phylogenetic structure in the *Sphagnum recurvum* complex (Bryophyta) in relation to taxonomy and geography. – *American Journal of Botany* **107**(9): *1283–1295*. https://doi.org/10.1002/ajb2.1525

[DUGAROVA, O.D., O.M. AFONINA & D.YA. TUBANOVA] ДУГАРОВА О.Д., О.М. АФОНИНА, Д.Я. ТУБАНОВА. 2022. К флоре мхов Тункинского хребта (Восточный Саян, Республика Бурятия). – [Contribution to the moss flora of the Tunka Range (Eastern Sayan, Republic of Buryatia)] *Новости систематики низших растений* [*Novosti sistematiki nizshikh rastenii*] **56**(2): *441–461*. https://doi.org/10.31111/nsnr/2022.56.2.441 /Annotated list includes 185 species of mosses. For every species, data on localities and habitats are provided.

[DULIN, M.] ДУЛИН М.В. 2021. Состояние изученности флоры печеночников республики Коми. – [Urrent state of knowledge on the liverwort flora of the Komi Republic] *Труды Карельского научного центра РАН* [*Transactions of the Karelian Reserch Centre RASS*] **8**: *27–40*. https://doi.org/10.17076/bg1443

ELLIS, L.T., O.M. AFONINA, I.V. CZERNYADJEVA, T.G. IVCHENKO, S.S. KHOLOD, V.M. KOTKOVA, E.YU. KUZMINA, A.D.

POTEMKIN, YU.M. SERGEEVA, A.K. ASTHANA, D. GUPTA, V. SAHU, S. SRIVASTAVA, V.A. BAKALIN, H. BEDNAREK-OCHYRA, P. CAMPISI, M.G. DIA, S.S. CHOI, D. DAGNINO, L. MINUTO, C. TURCATO, P. DRAPELA, O.D. DUGAROVA, D.YA. TUBANOVA, J. ENROTH, T. KOPONEN, H. KLAMA, A. ERDAG, M. KIRMACI, V.E. FEDOSOV, N.G. HODGETTS, D.T. HOLYOAK, I. JUKONIENE, N.A. KONSTANTINOVA, A.N. SAVCHENKO, A.A. VILNET, E.A. KRIVAL, H. KÜRSCHNER, E.D. LAPSHINA, J. LARRAIN, W.Z. MA, A.I. MAKSIMOV, M.L. MARINO, F. MÜLLER, N. PANDE, S.J. PARK, B.-Y. SUN, A. PIVORAS, V. PLÁŠEK, M. PUGLISI, S. SCIANDRELLO, N.J. RAJIAN, M. SULEIMAN, A. SCHÄFER-VERWIMP, J.R. SHEVOCK, D. SPITALE, A. STEBEL, M.A. TAHA & R.D. PORLEY. 2019. New national and regional bryophyte records, 61. – *Journal of Bryology* **41**(4): *364–384*. DOI: https://doi.org./10.1080/03736687.2019.1673601

ELLIS, L.T., O.M. AFONINA, J.J. ATWOOD, H. BEDNAREK-OCHYRA, M. BURGHARDT, S. DRAGIĆEVIĆ, S. VUKSANOVIĆ, B. ESPINOZA-PRIETO, J. OPISSO, M. GOGA, M. BAČKOR, A. GRAULACH, V. HUGONNOT, N.E. KOROLEVA. V.K. CHANDINI, C.N. MANJU, B. MUFEED, R. NATCHEVA, N. NORHAZRINA, N. SYAZWANA, D.F. PERALTA, V. PLÁŠEK, S.YU. POPOV, R.D. PORLEY, A. RIMAC, A. ALEGRO, N. VUKOVIĆ, N. KOLETIĆ, V. ŠEGOTA, M.C. SABOVLJEVIĆ, A. SCHÄFER-VERWIMP, C. SÉRGIO, S. ŞTEFĂNUT, M.A. TAHA, U.Y, ABOU-SALAMA & G.J. WOLSKI. 2020. New national and regional bryophyte records, 62. – *Journal of Bryology* **42**(2): *195–208*. https://doi.org./10.1080/03736687.2019.1706311

ELLIS, L.T., O.M. AFONINA, I.V. CZERNYADJEVA, L.A. KONOREVA, A.D. POTEMKIN,V.M. KOTKOVA, M. ALATAŞ, H.H. BLOM, M. BOIKO, R.A. CABRAL, S. JIMENEZ, D. DAGNINO, C. TURCATO, L. MINUTO, P. ERZBERGER, T. EZER, O.V. GALANINA, N. HODGETTS, M.S. IGNATOV, E.A. IGNATOVA, S.G. KAZANOVSKY, T. KIEBACHER, H. KÖCKINGER, E.O. KOROLKOVA, J. LARRAÍN, A.I. MAKSIMOV, D. MAITY, A. MARTINS, M. SIMSIM, F. MONTEIRO, L. CATARINO, R. MEDINA, M. NOBIS, A. NOWAK, R. OCHYRA, I. PARNIKOZA, V. IVANETS, V. PLÁŠEK, M. PHILIPPE, P. SAHA, MD. N. AZIZ, A.V. SHKURKO, S. ŞTEFĂNUŢ, G.M. SUÁREZ, A. UYGUR, K. ERKUL, M. WIERZGOŃ & A. GRAULICH. 2020. New national and regional bryophyte records, 63. – *Journal of Bryology* **42**(3): *281–296*. https://doi.org./10.1080/03736687.2020.1750930.

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HUGONNOT V., I.B. OSMAN, A. DAOUD-BOUATTOUR, S.D. MULLER, A.V. FEDOROVA, E.A. IGNATOVA & M.S. IGNATOV. 2020. A range extension of *Heterocladium flaccidum* (Schimp.) A.J.E.Sm. to Africa and Asia and confirmation of its specific status. – *Cryptogamie, Bryologie* **41**(21): *265–272*. https://doi.org/10.5252/cryptogamie-bryologie2020v41a21

[IGNASHOV, P.A. & O.L. KUZNETSOV] ИГНАШОВ П.А., О.Л. КУЗНЕЦОВ. 2022. Флора малых болот среднетаежной Карелии и их роль в сохранении биоразнообразия. – [Flora of minor mires in the middle taiga subzone of the Republic of Karelia and their role in biodiversity conservation] *Ботанический журнал* [*Botanicheskii Zhurnal*] **107**(7): *652–671*. https://doi.org/10.31857/S0006813622070055 /62 mosses are given.

IGNATOV, M.S. & O.I. KUZNETSOVA. 2021. A further range extension for *Redfearnia* (Bryophyta, Amblystegiaceae), with new data on its phylogenetic position. – *Arctoa* **30**(1): *25–42*. https://doi.org/10.15298/arctoa.30.03. /*Redfearnia baii* is reported from the Altai Mountains in the Altai Republic and from the West Sayan foothills in Khakassia. Distribution of *Redfearnia homomallifolia* and *R. baii* is presented. Molecular phylogenetic studies was carried out. Differential characters of two species of the genus *Redfearnia* is presented.

IGNATOV, M.S. & E.V. MASLOVA. 2021. Fossil mosses: what do they tell us about moss evolution? – *Bryophyte Diversity and Evolution* **43**(1): *72–97*. https://doi.org/10.11646/bde.43.1.7

IGNATOV, M.S., P. LAMKOWSKI, E.A. IGNATOVA & E.E. PERKOVSKY. 2019. Mosses from Rovno amber (Ukraine), 4. *Sphagnum heinrichsii*, a new moss species from Eocene. – *Arctoa* **28**: *1–11*.

IGNATOV, M.S., O.D. DUGAROVA, A.V. FEDOROVA & E.A. IGNATOVA. 2019. *Lazarenkoa*, a new moss genus from the Russian Far East. – *Arctoa* **28**(2): *226–230*. https://doi.org/10.15298/Arctoa.28.21

IGNATOV, M.S., A.V. FEDOROVA & A.V. TROITSKY. 2019. A new *Brachythecium* (Brachytheciaceae, Bryophyta) from the Russian Far. – *Arctoa* **28**(2): *222–225*. https://doi.org/10.15298/Arctoa.28.20 / Molecular phylogenetic studies revealed among collections from the Khabarovsk Territory, North Sikhote-Alin, a new species *Brachythecium amurense*. Description, differentiation, ecology and illustrations are provided.

IGNATOV, M.S., S. HUTTUNEN & O.I. KUZNETSOVA. 2020. On the phylogenetic position of the genus *Claopodium*: a revival of a 19th century idea. – *Arctoa* **29**(1): *1–9*. https://doi.org/10.15298/arctoa.29.01.

[IGNATOV, M.S., E.A. IGNATOVA, V.E. FEDOSOV, I.V. CZERNYADJEVA, O.M. AFONINA, A.I. MAKSIMOV, J. KUČERA, T.V. AKATOVA & G.YA. DOROSHINA] ИГНАТОВ М.С., Е.А. ИГНАТОВА, В.Э. ФЕДОСОВ, И.В. ЧЕРНЯДЬЕВА, О.М., АФОНИНА, А.И. МАКСИМОВ, Я. КУЧЕРА, Т.В. АКАТОВА, Г.Я. ДОРОШИНА. 2020. Флора мхов России. Том 5. Hypopterygiales – Hypnales (Plagiotheciaceae – Brachytheciaceae). – [Moss flora of Russia. Vol. 5: Hypopterygiales – Hypnales (Plagiotheciaceae – Brachytheciaceae)] *М.: Товарищество научных изданий КМК*. [*Moscow, KMK Scientific Press Ltd*] *599 pp*.

IGNATOV, M.S., J. KUČERA, L. HEDENÄS, O.I. KUZNETSOVA & E.A. IGNATOVA. 2020. A revision of the genus *Orthothecium* (Plagiotheciaceae, Bryophyta) in Northern Eurasia. – *Arctoa* **29**(1): *10–48*. https://doi.org/10.15298/arctoa.29.02.

IGNATOV, M.S., A.I. MAKSIMOV, A.V. FEDOROVA & E.A. IGNATOVA. 2020. On the taxonomy of *Fontinalis gracilis* (Fontinalaceae, Bryophyta) and superficially similar species. – *Nova Hedwigia Beih.* **150**: *243–264*. https://doi.org/10.1127/nova-suppl/2020/243

IGNATOV, M.S., U.N. SPIRINA, M.A. KOLESNIKOVA, J. LARRAÍN & E.A. IGNATOVA. 2020. Cell division patterns in the peristomial layers of the moss genus *Costesia*: two hypotheses and a third solution. – *Frontiers in Plant Science* **11**: 536862 [1–10]. https://doi.org/10.3389/fpls.2020.536862 30

IGNATOV, M.S., U.N SPIRINA, M.A KOLESNIKOVA & E.A IGNATOVA. 2020. How opposite may differ from opposite: a lesson from the peristome development in the moss *Discelium*. – *Botanical Journal of the Linnean Society* **195**(3): *420–436*. https://doi.org/10.1093/botlinnean/boaa085

IGNATOV, M.S., E.A. IGNATOVA & O.I. KUZNETSOVA. 2021. A rare european endemic moss genus *Arvernella* is discovered in Sakhalin, Russian Far East, where it is also rare. – *Arctoa* **30**(1): *1–7*. https://doi.org/10.15298/arctoa.30.01.

IGNATOV, M.S., E.A. IGNATOVA, O.L. MAKAROVA & M.B. POTAPOV. 2021. *Schistostega* "pollinators" and their attraction. – *Arctoa* **30**(2): *451–462*. doi 10.15298/arctoa.30.30

IGNATOV, M.S., T.V. VORONKOVA, A.S. KARTASHEVA & U.N. SPIRINA. 2021. On the branch primordia in *Neckera* and related genera (Bryophyta). – *Arctoa* **30**(2): *434–450.* https://doi.org/10.15298/arctoa.30.29

[IGNATOV, M.S., E.A. IGNATOVA, V.E. FEDOSOV, O.M. AFONINA, I.V. CZERNYADJEVA, L. HEDENÄS & V.YA. CHERDANTSEVA]

ИГНАТОВ М.С., Е.А. ИГНАТОВА, В.Э. ФЕДОСОВ, О.М. АФОНИНА, И.В. ЧЕРНЯДЬЕВА, Л. ХЕДЕНАС, В.Я. ЧЕРДАНЦЕВА. 2022. Флора мхов России. Том 6. Hypnales (Calliergonaceae — Amblystegiaceae). – [Moss flora of Russia. Vol. 6: Hypnales (Calliergonaceae – Amblystegiaceae] *М., Товарищество научных изданий КМК*. [*Moscow, KMK Scientific Press Ltd*] *472 pp*.

IGNATOV, M.S., E.A. IGNATOVA, E.I. IVANOVA, V.G. ISAKOVA, O.V. IVANOV & A.P. SEREGIN. 2022. MHA Herbarium: Collections of mosses from Yana-Indigirka Region, Yakutia, Russia. – *Biodiversity Data Journal* **10**. https://doi.org/10.3897/BDJ.10.e77341

IGNATOV, M.S., YU.S. ISHCHENKO & O.I. KUZNETSOVA. 2022. The genus *Jochenia* (Bryophyta) in Russia. – *Arctoa* **31**(1): *34–43*. https://doi.org/10.15298/arctoa.31.05

IGNATOV, M.S., O.I. KUZNETSOVA & E.A. IGNATOVA. 2022. The genus *Campylophyllopsis* (Bryophyta) in Russia revisited. – *Arctoa* **31**(1): *22–33*. https://doi.org/10.15298/arctoa.31.04

IGNATOVA, E.A., V.E. FEDOSOV, A.V. FEDOROVA, U.N. SPIRINA & M.S. IGNATOV. 2019. On moss family Lembophyllaceae in the Russian Far Eas. – *Arctoa* **28**(2): *179–202*. https://doi.org/10.15298/Arctoa.28.16

IGNATOVA, E.A., M.S. IGNATOV, A.V. FEDOROVA & J. KUČERA. 2019. New Asian localities of *Hymenostylium xerophilum* and *H. gracillimum*. – *Arctoa* **28**(2): *149–158*. https://doi.org/10.15298/Arctoa.28.12 /*Hymenostylium xerophilum* is newly reported from Oman and eastern Yakutia, while the other species, *H. gracillimum* was found among herbarium material collected at the shore of Lake Baikal in southern Siberia.

IGNATOVA, E.A., A.V. FEDOROVA & M.S. IGNATOV. 2020. On the genera *Isopterygiopsis* and *Isopterygiella*, gen. nov. (Plagiotheciaceae) In Russia. – *Arctoa* **29**(1): *49–62*. https://doi.org/10.15298/arctoa.29.03.

IGNATOVA, E.A., E.I. IVANOVA & M.S. IGNATOV. 2020. Moss flora of Ulakhan-Chistai range and its surroundings (Momsky District, East Yakutia). – *Arctoa* **29**(2): *179–194*. https://doi.org/10.15298/arctoa.27.12. /The annotated list of mosses includes 325 species. The interesting records are *Andreaeobryum macrosporum, Coscinodon hartzii, Hilpertia velenovskyi,* etc.

IGNATOVA, E.A., O.I. KUZNETSOVA, N.R. SHAFIGULLINA, V.E. FEDOSOV & M.S. IGNATOV. 2020. The genus *Pylaisia* (Pylaisiaceae, Bryophyta) in Russia. – *Arctoa* **29**(2): *135–178*. https://doi.org/10.15298/arctoa.29.11. /The genus *Pylaisia* is revised for the Russian moss flora basing on morphological and molecular phylogenetic studies of nuclear ITS and IGS markers and plastid trnL-F. In Russia, this genus includes *P. stereodontoides, P. brotheri, P. condensata, P. obtusa, P. subcircinata, P. polyantha, P. curviramea, P. steerei, P. coreana, P. bezgodovii* sp. nov., and *P. camurifolia*.

IGNATOVA, E.A., I.V. CZERNYADJEVA, A.V. FEDOROVA & M.S. IGNATOV. 2021. A morphologocal and molecular phylogengetic study of the genus *Calliergon* (Calliergonaceae, Bryophyta) in Russia. – *Arctoa* **30**(1): *8–34*. https://doi.org/10.15298/arctoa.30.02. /Molecular phylogenetic study of genus is provided. Comparison of six morphological characters and distribution in Russia of *Calliergon giganeum* ssp. *sibiricum*, *C. giganeum* s.str., *C. megalophyllum* is presented. A new supspecies *Calliergon giganteum* subsp. *sibiricum* Ignatova & Czernyadjeva is described. Key to *Calliergon* species in Russia is provided.

IGNATOVA, E.A., A.V. FEDOROVA & M.S. IGNATOV. 2021. *Anacamptodon latidens* (Bryophyta, Amblystegiaceae), a new species for Europe. – *Новости систематики низших растений* [*Novosti sistematiki nizshikh rastenii*] **55**(2): *469–474*. https://doi.org/10.31111/nsnr/2021.55.2.469

IGNATOVA, E.A., M.S. IGNATOV, K.G. KLIMOVA & V.A. BAKALIN. 2021. Contribution to the moss flora of Ayan (west coast of the sea of Okhotsk, the Russian Far East). – *Arctoa* **30**(1): *79–90*. https://doi.org/10.15298/arctoa.30.09. /An annotated list included 164 species.

IGNATOVA, E.A.,O.YU. PISARENKO, O.I. KUZNETSOVA & M.S. IGNATOV. 2021. *Tayloria rudolphiana* in Russia, a range extension of world wide rare moss species. – *Botanica Pacifica* **10**(2): *21–27*. https://doi.org./10.17581/bp.2021.10205

IGNATOVA, E.A., O.I. KUZNETSOVA, A.V. FEDOROVA & M.S. IGNATOV. 2022. The genus *Pseudoleskeella* (Bryophyta) in Russia. – *Arctoa* **31**(1): *7–16*. https://doi.org/10.15298/arctoa.31.02 /The genus *Pseudoleskeella* is represented in Russia by six species and one variety: *P. rupestris, P. rupestris* var. *tenuis, P. catenulata, P. papillosa P. tectorum, P. nervosa, P. sachalinensis*. A molecular phylogenetic analysis, illustration and key of genus are provided. Description, differentiation, distribution of *P. rupestris* var. *tenuis* and *P. sachalinensis* are given.

IGNATOVA, E.A., O.I. KUZNETSOVA & M.S. IGNATOV. 2022. A new species of *Drepanocladus* (Bryophyta) from Yakutia. – *Arctoa* **31**(1): *17–21*. https://doi.org/10.15298/arctoa.31.03

[KALININA (SERGEEVA), YU.M. & A.YU. LAVRSKIY] КАЛИНИНА (СЕРГЕЕВА) Ю.М., А.Ю. ЛАВРСКИЙ. 2020. К флоре мхов Хакасского заповедника, кластер "Малый Абакан" (Республика Хакасия, Южная Сибирь). – [Contribution to the moss flora of Khakasskiy Reserve, cluster "Malyi Abakan" (Republic of Khakassia, South Siberia)] *Новости систематики низших растений* [*Novosti sistematiki nizshikh rastenii*] **54**(1): *165–188*. https://doi.org/10.31111/nsnr/2020.54.1.165. /Annotated list includes 181 species of mosses. For every species, data on localities, frequency, habitats are provided.

[KAZANOVSKY, S.G.] КАЗАНОВСКИЙ С.Г. 2018. Итоги и перспективы изучения флоры печеночников горной системы Хамар-Дабан (южное Прибайкалье). – [Results and prospects of studying the flora of the liverworts of the Khamar-Daban mountain system (southern Baikal region)] *Проблемы ботаники Южной Сибири и Монголии* [*Problems of botany of South Siberia and Mongolia*] **17**: *79–82*.

KIEBACHER, T. & E. URMI. 2021. *Cephaloziella aspericaulis* Jшrg. with sporophytes in Central Europe. – *Arctoa* **30**(2): *187–212*. https://doi.org/10.15298/arctoa.30.20

KONRAT, M. VON, J.J. ENGE, L. BRISCOE, Y. RODRIGUEZ, M. NIEZGODA, A. SASS-GYARMATI, T. PÓCS, D.P. DA COSTA, D.H. WAGNER, M.A.M. RENNER, J.E.G. NOVOA, J. LARRAÍN, M. TABUA, H. RANFT, J. LEE, D. GLENNY, R. LONG, G.M. PITTS, N. EVANS, R. SALM & VOLUNTEERS OF THE COLLECTIONS CLUB. 2021. The herbarium of Rudolf M. Schuster: unlocking over a half a century of botanical exploration. – *Arctoa* **30**(2): *126–137*. https://doi.org/10.15298/arctoa.30.14

KONSTANTINOVA, N.A. 2021. Memories of Rudy Schuster. – *Arctoa* **30**(2): *114–118*. https://doi.org/10.15298/arctoa.30.12

KONSTANTINOVA, N.A., D.G. LONG, YU.S. MAMONTOV & A.A. VILNET. 2021. *Gymnomitrion schusteranum* (Gymnomitriaceae), a new species from the Sino-Himalaya. – *Arctoa* **30**(2): *149–158*. https://doi.org/10.15298/arctoa.30.16

KONSTANTINOVA, N.A. & A.A. VILNET. 2022. New data on distribution, phylogenetic affinity and sporophyte of *Nardia pacifica* Bakalin – *Arctoa* **31**(1): *52–58*. https://doi.org/10.15298/arctoa.31.07 /A molecular phylogenetic analysis, description, differentiation, illustration, distribution of *Nardia pacifica* are provided.

KONSTANTINOVA, N.A. & A.N. SAVCHENKO. 2021. To the liverwort flora of Caucasus: the liverworts of the upper Kurdzhips River basin (Krasnodar Territory). – *Arctoa* **30**(1): *63–70*. https://doi.org/10.15298/arctoa.30.07. /The annotated list included 35 species. *Scapania glaucocephala* is recorded as new for Caucasus and *Scapania calcicola* and *Trichocolea tomentella* as new for the Krasnodar Territory.

KONSTANTINOVA, N.A. & A.N. SAVCHENKO. 2022. Contribution to the hepatic flora of Svalbard IV: Hepatics of the coast of the Sætherbukta (Orvin Land, Duvefjorden, Nordaustlandet) – *Arctoa* **31**(1): *44–51*. https://doi.org/10.15298/arctoa.31.06 /Annotated list includes 32 species.

KONSTANTINOVA, N.A., A.A. VILNET & A.V. RUMYANTSEVA. 2021. Contribution to the liverwort flora of the Republic of North Ossetia (North Caucasus). – *Arctoa* **30**(1): *71–78*. https://doi.org/10.15298/arctoa.30.08. /The list includes 27 species, the vast majority

of which (19) were not previously known to the republic. The morphological features and distribution of rare in the Caucasus species are discussed.

KONSTANTINOVA, N.A., A.A. VILNET & E.D. LAPSHINA. 2019. New records of *Scapania sphaerifera* H. Buch et Tuom. in Europe with description of global distribution and ecology of the species. – *Arctoa* **28**(2): *203–209*. https://doi.org/10.15298/Arctoa.28.17 /*Scapania sphaerifera* known in Europe only from the type specimen collected 85 years ago, has been found in three sites in the Urals including its European part. The taxonomic position and differences from morphologically similar species are discussed, and the distribution and ecology are significantly reevaluated.

KONSTANTINOVA, N.A., YU.S. MAMONTOV & A.A. VILNET. 2020. *Frullania stylifera* (R.M.Schust.) R.M. Schust. (Hepaticae), new to Eurasia. – *Journal of Bryology* **42**(2): *152-159*. https://doi.org/10.1080/03736687.2020.1722511 /*Frullania* Raddi is one of the largest genera of liverworts, and the number of accepted names is still fluctuating as a result of ongoing revisionary work. Specimens believed to be *F. stylifera*, an eastern North American endemic, had been collected in several remote regions in both the European and Asian parts of Russia.

KONSTANTINOVA, N.A., A.N. SAVCHENKO & A.A. VILNET. 2020. Contribution to the liverwort flora of Franz Josef Land Archipelago I. liverworts (Marchantiophyta) of Ziegler Island. – *Arctoa* **29**(1): *63–71*. https://doi.org/10.15298/arctoa.29.04. /An annotated list includes 19 species, including *Clevea hyalina* and *Saccobasis polymorpha* new for archipelago.

KONSTANTINOVA, N.A., A.N. SAVCHENKO & A.A. VILNET. 2020. Hepaticae Svalbardensia exsiccatae. Fasciculus I. (№№ 1-25). – *Arctoa* **29**(1): *101–104*. https://doi.org/10.15298/arctoa.29.08.

KONSTANTINOVA, N.A., A.A. VILNET & Y.S. MAMONTOV. 2020. A new species of the genus *Lophozia* (Lophoziaceae) from the Svalbard Archipelago. – *Arctoa* **29**(2): *124–134*. https://doi.org/10.15298/arctoa.29.10. /A new species of liverwort *Lophozia svalbardensis* (Marchantiophyta, Jungermanniopsida) collected in the Nordaustlandet is described. Phylogenetic analyses, description, differentiation, illustration, ecology and distribution are provided.

KONSTANTINOVA, N.A. , D.G. LONG , YU.S. MAMONTOV & A.A. VILNET. 2021. *Gymnomitrion schusteranum* (Gymnomitriaceae), a new species from the Sino-Himalaya. – *Arctoa* **30**(2): *149–158*.

KONSTANTINOVA, N.A., A.A. VILNET, D.G. LONG, Y.S. MAMONTOV &N. LOCKHART. 2021. An integrative approach to the study of *Moerckia* (Marchantiopsida: Moerckiaceae), with description of a new genus, *Pseudomoerckia*, and new family, Pseudomoerckiaceae. – *Journal of Bryology* **43**(2): *99–114*. https://doi.org/10.1080/03736687.2021.1919832 /The genus *Moerckia* Gottsche belongs to the order Pallaviciniales, the phylogeny of which has been insufficiently studied. We re-evaluate the phylogenetic position of *M. blyttii* and the importance of certain morphological features, and re-emphasise the differences in morphology, ecology and distribution of *M. hibernica* and *M. flotoviana*.

KOPYLOV, D.S., A.P. RASNITSYN, D.S. ARISTOV, A.S. BASHKUEV, N.V. BAZHENOVA, V.YU. DMITRIEV, A.V. GOROCHOV, M.S. IGNATOV, V.D. IVANOV, A.V. KHRAMOV, A.A. LEGALOV, E.D. LUKASHEVICH, YU.S. MAMONTOV, S.I. MELNITSKY, B. OGIAZA, A.G. PONOMARENKO, A.A. PROKIN, O.V. RYZHKOVA, A.S. SHMAKOV, N.D. SINITSHENKOVA, A.YU. SOLODOVNIKOV, O.D. STRELNIKOVA, I. D. SUKACHEVA, A.V. ULIAKHIN, D.V. VASILENKO, P. WEGIEREK, E.V. YAN & M. ZMARZIY. 2020. The Khasurty Fossil Insect Lagerstätte. – *Paleontological Journal* **54**(11): 1221–1394. https://doi.org/10.1134/S0031030120110027

[KOROTEEVA, T.I.] КОРОТЕЕВА Т.И. 2022. Печеночники (Marchantiophyta) термальных источников вулкана Баранского (остров Итуруп, Курильские острова, Россия). – [Liverworts (Marchantiophyta) of the thermal springs of Baransky Vulcano (Iturup Island, Kuril Islands, Russia)] *Новости систематики низших растений* [*Novosti sistematiki nizshikh rastenii*] **56**(2): *463–475*. https://doi.org/10.31111/nsnr/2022.56.2.463 /The presented list of 37 species includes distribution of liverworts on thermal springs and their substrata confinement.

[KOSYKH, N.P., N.G. KORONATOVA & T.G. IVCHENKO] КОСЫХ Н.П., Н.Г. КОРОНАТОВА, Т.Г. ИВЧЕНКО. 2021. Сравнительная характеристика структурно-функциональных свойств мохового покрова болот лесостепной зоны. – [Comparative characteristics of structural and functional properties of moss cover of mires of forest-steppe zone] *В кн.: XI Галкинские Чтения* [*In*: *XI meeting in memoriam of E.A. Galkina*]: *94–95.*

KOTKOVA, V.M., O.M. AFONINA, T. DEJIDMAA, G.YA. DOROSHINA, O.V. EROKHINA, KH.YU. GUZIEV, T.G. IVCHENKO, E.YU. KUZMINA, O.V. LAVRINENKO, M.A. MAKAROVA, A.I. MINGALIMOVA, E.L. MOROZ, V.YU. NESHATAEVA, YU.K. NOVOZHILOV, A.D. POTEMKIN, S.N. SHADRINA, A.V. VLASENKO & V.A. VLASENKO. 2021. New cryptogamic records. 8. – *Новости систематики низших растений* [*Novosti sistematiki nizshikh rastenii*] **55**(2): *495–516*. https://doi.org/10.31111/nsnr/2021.55.2.495

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[KOZHIN, M., E. BOROVICHEV, O. BELKINA, A. MELEKHIN, V. KOSTINA & N. KONSTANTINOVA] КОЖИН М.Н., Е.А. БОРОВИЧЕВ, О.А. БЕЛКИНА, А.В. МЕЛЕХИН, В.А. КОСТИНА, Н.А. КОНСТАНТИНОВА. 2020. Редкие и охраняемые виды растений и лишайников памятников природы "Ущелье Айкуайвенчорр", "Криптограммовое ущелье" и "Юкспоррлак" (Мурманская область). – [Rare and red-listed plants and lichens of the nature monuments Aikuaiven-Chorr Gorge, Kriptogrammovoe Gorge, and Juksporrlak (Murmansk Region)] *Труды Карельского научного центра РАН* [*Transactions of the Karelian Reserch Centre RAS*]**1**: *34–48*. https://doi.org/10.17076/bg939

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KUCHEROV, I., G. GRISHUTKINA, V. TELEGANOVA & A. POTEMKIN. 2021. Diagnostic potential of epiphytic bryophytes in forest vegetation classification – *Northern Asia Plant Diversity 2021. BIO Web of Conferences* 36, 00065. https://doi.org/10.1051/bioconf/

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[KUCHEROV, I.B., G.A. GRISHUTKINA, V.V. TELEGANOVA & A.D. POTEMKIN] КУЧЕРОВ И.Б., Г.А. ГРИШУТКИНА, В.В. ТЕЛЕГАНОВА, А.Д. ПОТЕМКИН. 2021. О диагностической роли эпифитных мохообразных при классификации лесной растительности. – [On the diagnostic potential of epiphytic bryophytes in forest vegetation classification] *Вестник Тверского государственного университета. Серия Биология и экология* [*Bulletin of the Tver State University. Series Biology and Ecology*] **1**(61): *102–123*. https://doi.org/10.26456/vtbio189

[KURBATOVA, L.E.] КУРБАТОВА Л.Е. 2021 Мохообразные. – [Bryophytes]. *В кн.: Природа западного Котлина* [*In: Nature of Zapadnyy Kotlin*]. *СПб*. [*Saints-Petersburg*]: *85–92*.

KUSNETSOVA, O.I. (ed.), E.A. IGNATOVA, V.E. FEDOSOV & M.S. IGNATOV. 2019. Bryophyte molecular barcoding records. 1. – *Arctoa* **28**(2): *251–252*. https://doi.org/10.15298/Arctoa.28.23

KUSNETSOVA, O.I. (ed.), J.C. BRINDA, A.V. FEDOROVA, V.E. FEDOSOV, M.S. IGNATOV, E.A. IGNATOVA & J. KUČERA. 2020. Bryophyte molecular barcoding records. 2. – *Arctoa* **29**(1): *72–74*. https://doi.org/10.15298/arctoa.29.05

KUSNETSOVA, O.I. (ed.), N.A. KONSTANTINOVA, A.A. VILNET, E.D. LAPSHIN, O.M. AFONINA, A.I. MAKSIMOV, T.A. MAKSIMOVA & M.S. IGNATOV. 2020. Bryophyte molecular barcoding records. 3. – *Arctoa* **29**(2): *216–218*. https://doi.org/10.15298/arctoa.29.15. /DNA-barcoding revealed/confirmed the range extension of the following bryophytes: *Solenostoma rossicum* (newly found in Urals) and *Hypnum andoi* (confirmed in Black Sea coastal area of Caucasus and Karelia).

KUSNETSOVA, O.I. (ed.), M.S. IGNATOV, E.A. IGNATOVA, YU.S. ISHCHENKO, O.YU. PISARENKO & V.V. TELEGANOVA. 2021. Bryophyte molecular barcoding records. 4. – *Arctoa* **30**(1): *91–92*. https://doi.org/10.15298/arctoa.30.10

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[KUTENKOV, S.A. & V.N. TARASOVA] КУТЕНКОВ С.А., В.Н. ТАРАСОВА. 2021. Разнообразие лишайников, мхов и сосудистых растений в ельниках болотно-травяных Пинего-Мезенского междуречья (Архангельская область). – [The diversity of lichens, mosses and vascular plants in the paludified herb-rich spruce forests of the Pinego-Mezen watershed (Arkhangelsk Region)] *Проблемы ботаники Южной Сибири и Монголии* [*Problems of botany of South Siberia and Mongolia*] **20**(1): *255–260*. https://doi.org./10.14258/pbssm.2021049

[KUZMINA, E.YU. & V.YU. NESHATAEVA] КУЗЬМИНА Е.Ю., В.Ю. НЕШАТАЕВА. 2021. Редкие виды сфагновых мхов в бриофлоре Северной Корякии (Камчатский край). – [Rare species of Sphagnum mosses in bryoflora of Northern Koryakia (Kamchatka Krai)] *В кн.: XI Галкинские Чтения* [*In*: *XI meeting in memoriam of E.A. Galkina*]: *96–97*.

[KUZMINA, E.YU., A.D. POTEMKIN & V.YU. NESHATAEVA] КУЗЬМИНА Е.Ю., А.Д. ПОТЕМКИН, В.Ю. НЕШАТАЕВА. 2020. Мохообразные (Bryophyta, Marchantiophyta) термальных местообитаний лагуны Тинтикун (Северная Корякия, Камчатский край). – [Bryophytes (Bryophyta, Marchantiophyta) of thermal habitats of the Lagoon Tintikun, Northern Koryakia, Kamchatka Territory] *Новости систематики низших растений* [*Novosti sistematiki nizshikh rastenii*] **54**(1): *189–209*. https://doi.org/10.31111/nsnr/2020.54.1.189. / Annotated list includes 11 species of liverworts and 45 of mosses. Comparison of the latitudinal bryophyte species composition of thermal springs in gradient from Chukotka to Kamchatka is provided.

KUZNETSOVA, O.I. (ed.), J.C. BRINDA, A.V. FEDOROVA, V.E. FEDOSOV, M.S. IGNATOV, E.A. IGNATOVA & J. KUČERA. 2020. Bryophyte molecular barcoding records. 2. – *Arctoa* **29**(1): *72–74*. https://doi.org/10.15298/arctoa.29.05. /DNA-barcoding revealed/confirmed the taxonomic placement and/or range extension of the following bryophytes: *Campylostelium laegerae, Leptoptericynandrum austro-alpinum* (taxonomic identity of South American and Asian), *Scleropodium touretii* (newly found in Crimea), *Taxiphyllum taxiphylloides* (from the Russian Far East).

KUZNETSOVA, O.I. (ed.), M.S. IGNATOV, E.A. IGNATOVA, Y.S. ISHCHENKO, O.YU. PISARENKO & V.V. TELEGANOVA. 2021. Bryophyte molecular barcoding records. 4. – *Arctoa* **30**(1): *91–92*. https://doi.org/10.15298/arctoa.30.10. /DNA-barcoding revealed/confirmed the range extension of the following bryophytes: *Serpoleskea confervoides* (Sakhalin), *Pseudoamblystegium subtile* (Sakhalin), and *Plagiothecium laetum* (Moscow Province).

KUZNETSOVA, O.I. (ED.), V.E. FEDOSOV, A.V. FEDOROVA, E.D. LAPHINA & M.S. IGNATOV. 2021. Bryophyte molecular barcoding records 5. – *Arctoa* **30**(2): *463–464*. https://doi.org/10.15298/arctoa.30.31

KUZNETSOVA, O.I. (ed.), V.A. BAKALIN, N.A. KONSTANTINOVA, E.D. LAPSHINA, G.N. GANASEVICH, A.D. POTEMKIN & A.A. VILNET. 2022. Bryophyte molecular barcoding records. 6. – *Arctoa* **31**(1): *59–61*. https://doi.org/10.15298/arctoa.31.08 /DNA-barcoding revealed/confirmed the range extension of *Scapania gigantea* (Iturup Island), *Rudolgaea borealis* (Taimyr Peninsula), and *Solenostoma rossicum* (Yamal-Nenets Autonomous Area).

KYRKJEEIDE, M.O., K. HASSEL, B. AGUERO, E.M. TEMSCH, O.M. AFONINA, A.J. SHAW, H.K. STENØIEN & K.I. FLATBERG. 2019. *Sphagnum ×lydiae*, the first allotriploid peatmoss in the northern hemisphere. – *The Bryologist* **122**(1): *38–61*. https://doi.org/10.1639/0007-2745-122.1.038

LAPSHINA, E.D., E.A. IGNATOVA, M.S. IGNATOV, G.N. GANASEVICH & YU.V. SKUCHAS. 2020. The mosses of the Khulga River Basin (Subpolar Urals, Khanty-Mansi Autonomous Area – Yugra). – *Новости систематики низших растений* [*Novosti sistematiki nizshikh rastenii*] **54**(1): *211–241*. https://doi.org/10.31111/nsnr/2020.54.1.211. /Annotated list includes 210 species of mosses. *Didymodon perobtusus, Lewinskya iwatsukii, Schistidium frisvollianum, Sphagnum mirum, Warnstorfia tundrae* are new to the Urals.

[LAPSHINA, E.D., G.N. GANASEVICH, O.V. LAVRINENKO & O.M. AFONINA] ЛАПШИНА Е.Д., Г.Н. ГАНАСЕВИЧ, О.В. ЛАВРИНЕНКО, О.М. АФОНИНА. 2022. Мхи Авамской тундры (южный Таймыр). – [Mosses of Avam tundra (south Taimyr)] *Ботанический журнал*. [*Botanicheskii Zhurnal*] **107**(9): 825–847. https://doi.org/10.31857/S0006813622090071 /The checklist comprises 179 species and provides data on preferred types of habitats in descending order of occurrence.

LARRAÍN, J., S. HUTTUNEN, E.A. IGNATOVA & M.S. IGNATOV. 2020. *Rhynchostegium occultum* (Brachytheciaceae), a new species from relict forests of central Chile. – *Phytotaxa* **453**(3): *199–217*. https://doi.org/10.11646/phytotaxa.453.3.3.

[LEVKOVICH, A.V. & O.M. MASLOVSKY] ЛЕВКОВИЧ А.В., О.М. МАСЛОВСКИЙ. 2017. Динамика и прогноз развития метапопуляций мха *Neckera pennata* в Беларуси. – [Dynamics and forecast of the development of metapopulations of the moss *Neckera pennata* in Belarus] *Весці нацыянальнай акадэміі навук Беларусі. Серыя біялагічных навук* [*Ves. National acad. Sciences of Belarus. cep. bial. Navuk*] **2**: *14–26*.

[LEVKOVICH, A.V. & O.M. MASLOVSKY] ЛЕВКОВИЧ А.В., О.М. МАСЛОВСКИЙ. 2020. Методология оценки состояния и мониторинга эпифитных мохообразных на примере *Neckera pennata* Hedw. – [Methodology for assessing the condition and monitoring of epiphytic bryophytes on the example of *Neckera pennata* Hedw.] *Ботаника (исследования), Минск: Колорград* [*Botany (research) - Minsk: Kolorgrad*] **49**: *86–98*. ISSN 2221-9927.

LIKHANOVA, I.A. & G.V. ZHELEZNOVA. 2021. Syntaxonomy of secondary communities formed instead of earlier agricultural lands in the

middle and south taiga subzones of the European North-East of Russia. – *Turczaninowia* **24**(4): *140–156*. https://doi.org/10.14258/turczaninowia.24.4.14. – URL:http://dx.doi.org/10.14258/turczaninowia.24.4.14.

[LIKHANOVA, I.A., G.S. SHUSHPANNIKOVA, G.V. ZHELEZNOVA & T.N. PYSTINA] ЛИХАНОВА И.А., Г.С. ШУШПАННИКОВА, Г.В. ЖЕЛЕЗНОВА, Т.Н. ПЫСТИНА. 2020. Синтаксономия растительности карьеров на месте сведенных сосняков лишайниковых и зеленомошных (среднетаежная подзона европейского северо-востока России). – [Syntaxonomy of plant communities at the quarries after the cuttings of lichen and green mosspine forests (middle taiga subzone of the European North-East of Russia)] *Растительность России* [*Vegetation of Russia*] **39**: *3–25*. https://doi.org/10.31111/vegrus/2020.39.3.

[LIKSAKOVA, N.S. & L.E. KURBATOVA] ЛИКСАКОВА Н.С., Л.Е. КУРБАТОВА. 2021. Растительность острова Коневец (Ладожское озеро, Ленинградская область). – [Vegetation of Konevets Island (Ladoga Lake, Leningrad Region)] *Ботанический журнал* [*Botanicheskii Zhurnal*] **106**(5): *419–437*. https://doi.org/10.31857/S0006813621030054

[LIKSAKOVA, N.S., E.A. GLAZKOVA & E.YU. KUZMINA] ЛИКСАКОВА Н.С., Е.А. ГЛАЗКОВА, Е.Ю. КУЗЬМИНА. 2021. К растительности острова Уруп (Курильские острова). – [To the vegetation of Urup island (the Kuriles)] *Ботанический журнал* [*Botanicheskii Zhurnal*] **106**(8): *731–755*. https://doi.org/10.31857/S0006813621080068

[MAKUKHA, YU.A. & S.YU. POPOV] МАКУХА Ю.А., С.Ю. ПОПОВ. 2021. О новых сборах сфагнов на Новой Земле (Российская Арктика). – [New records of sphagna from Novaya Zemlya Islands (Russian Arctic Region)] *Труды Карельского научного центра РАН* [*Transactions of the Karelian Reserch Centre RAS*] **1**: *101–105*. https://doi.org/10.17076/bg1166 /Information is provided about *Sphagnum* species previously known from Novaya Zemlya (*Sphagnum squarrosum, S. concinnum, S. mirum*), new findings of which were made in 2019 on the eastern coast of Yuzhny Island.

MAMONTOV YU.S. & M.S. IGNATOV. 2019. How to rely on the unreliable: examples from Mesozoic bryophytes of Transbaikalia. – *Journal of Systematics and Evolution* **57**(4): *339–360*. https://doi.org/10.1111/jse.12483

MAMONTOV, YU.S., M.S. IGNATOV & E.E. PERKOVSKY. 2019. Liverworts from Rovno Amber (Ukraine), 8. *Frullania ekaterinae* sp. nov. and *F. schmalhausenii* sp. nov. – *Paleontological Journal* **53**(10): *113–120*. https://doi.org/10.1134/S0031030119100113

MAMONTOV, YU.S., J.J. ATWOOD, E.E. PERKOVSKY & M.S. IGNATOV. 2020. Hepatics from Rovno amber (Ukraine): *Frullania pycnoclada* and a new species, *F. vanae*. – *The Bryologist* **123**(3): *421–430*. https://doi.org/10.1639/0007-2745-123.3.421

MAMONTOV, YU.S., T.I. KOROTEEVA, E.V. SOFRONOVA & A.D. POTEMKIN. 2020. On *Frullania usamiensis* (Frullaniaceae, Marchantiophyta) and its first record for Russia – *Новости систематики низших растений* [*Novosti sistematiki nizshikh rastenii*] **54**(1): *243–250*. https://doi.org/10.31111/nsnr/2020.54.1.243. /*Frullania usamiensis* is recorded for the first time for Russia from Kunashir Island, the southernmost island of the Greater Kuril Chain. Description, differentiation, distribution and illustrated are provided.

MAMONTOV, YU.S., A.A. VILNET, J.J. ATWOOD & N.A. KONSTANTINOVA. 2020. Molecular phylogenetic study of *Frullania* subsect. *Inflatae* (Frullaniaceae, Marchantiophyta) in the Holarctic with description of a new subgenus and three new species – *Nova Hedwigia* **150**: *201–242*. https://doi.org/10.1127/nova-suppl/2020/201

MAMONTOV, Y.S., A.A. VILNET & A. SCHÄFER-VERWIMP. 2021. On the taxonomy of the subfamilies Pallavicinioideae and Podomitrioideae of the family Pallaviciniaceae (Marchantiophyta). – *Arctoa* **30**(2): *159–169*. https://doi.org/10.15298/arctoa.30.17

MASLOVSKY, O.M. 2017. Atlas of rare and threatened bryophytes of Eastern Europe as candidates to new European Red List. – *Minsk: Belorusskaya nauka*, *101 pp.*

MASLOVSKY, O.M. 2020. Spatial distribution of bryophyte species diversity in Eastern Europe. – *Чорноморський Ботанічний Журнал* [*Chornomors'kij botanicheskij zhurnal*] **16**(4): *323–332*.

MASLOVSKY, O.M. 2021. Analysis of the eastern european bryoflora by the geographical latitudinal elements. – *Ботаника (исследования), Минск: Колорград* [*Botany (research) - Minsk: Kolorgrad*] **50**: *95–106*. ISSN 2221-9927.

[MASLOVSKY, O.M.] МАСЛОВСКИЙ О.М. 2018. Оценка количества и площади популяций наиболее распространенных мохообразных Беларуси. – [Estimation of the number and area of populations of the most common bryophytes in Belarus] *Ботаника (исследования), Минск: Колорград* [*Botany (research), Minsk: Kolorgrad*] **47**: *63–81*. ISSN 2221-9927.

[MASLOVSKY, O.M.] МАСЛОВСКИЙ О.М. 2019. Охраняемые в Европе мохообразные на территории Беларуси. – [Bryophytes protected in Europe on the territory of Belarus] Ботаника (исследования) *Ботаника (исследования), Минск: Колорград* [*Botany (research) - Minsk: Kolorgrad*] **48**: *68–86*. ISSN 2221-9927.

[MASLOVSKY, O.M.] МАСЛОВСКИЙ О.М. 2020. Альпийский (монтанный) геоэлемент бриофлоры Беларуси. – [Alpine (mountain) geoelement of the bryoflora of Belarus] *Ботаника (исследования), Минск: Колорград* [*Botany (research) - Minsk: Kolorgrad*] **49**: 99–109. ISSN 2221-9927.

[MASLOVSKY, O.M.] МАСЛОВСКИЙ О.М. 2020. Сравнительный анализ видового биоразнообразия бриофлористических комплексов Беларуси. – [Comparative analysis of species biodiversity of bryofloristic complexes of Belarus] *Природные ресурсы* [*Natural Resources*] **1**: *62–69*.

[MASLOVSKY, O.M.] МАСЛОВСКИЙ О.М. 2021. Сравнительный анализ видового географических структур бриофлористических комплексов Беларуси. – [Comparative analysis of the geographical structures of the bryofloristic complexes of Belarus] Природные ресурсы [*Natural Resources*] **2**: *67–71*.

[MASLOVSKY, O.M.] МАСЛОВСКИЙ О.М. 2021. Таксономический анализ бриофлористических комплексов Восточной Европы. – [Taxonomic analysis of bryofloristic complexes of Eastern Europe. *Весці нацыянальнай акадэміі навук Беларусі. Серыя біялагічных навук* [*Ves. National acad. Sciences of Belarus. Cep. bial. Navuk*] **66**(4): *433–443*.

MEŽAKA, A., D. STEPANOVA & P. EVARTS-BUNDERS. 2020. Epiphytic bryophytes in Latvian manor parks. – *Arctoa* **29**(2): *195–200*. https://doi.org/10.15298/arctoa.29.13. /The list includes 42 species from 20 Latvian manor parks.

[NESHATAEVA, V.YU., E.YU. KUZMINA, V.E. KIRICHENKO, V.YU. NESHATAEV & P.N. KATYUTIN] НЕШАТАЕВА В.Ю., Е.Ю. КУЗЬМИНА, В.Е. КИРИЧЕНКО, В.Ю. НЕШАТАЕВ, П.Н. КАТЮТИН. 2021. Каменноберезовые леса полуострова Говена и побережья Олюторского залива (Корякский округ Камчатского края) – [Tone-Birch forests on the Govena Peninsula and Olyutorsky Gulf coast (Koryaksky District, Kamchatka Krai)] *Труды Карельского научного центра РАН* [*Transactions of the Karelian Reserch Centre RAS*] **1**: *5–27*. https://doi.org/10.17076/bg1248

[NESHATAEVA, V.YU., V.V. YAKUBOV, E.YU. KUZMINA, A.D. POTEMKIN & V.E. KIRICHENKO] НЕШАТАЕВА В.Ю., В.В. ЯКУБОВ, Е.Ю. КУЗЬМИНА, А.Д. ПОТЕМКИН, В.Е. КИРИЧЕНКО. 2021. Очерк флоры и растительности окрестностей термальных источников побережья лагуны Тинтикун (Олюторский залив Берингова моря). – [Outline of flora and vegetation of the Tintikun lagoon hot springs (Olutorsky bay of Bering sea)] *Ботанический журнал* [*Botanicheskii Zhurnal*] **106**(12): *1204–1226*. https://doi.org/10.31857/S0006813621120061 /11 liverworts and 45 mosses are listed.

NIETO-LUGILDE, M., S. ROBINSON, B. AGUERO, A. DUFFY, K. IMWATTANA, K. HASSEL, K.I. FLATBERG, H.K. STENШIEN, A.V. SHKURKO, V.E. FEDOSOV & A.J. SHAW. 2022. Morphological-molecular incongruence in *Sphagnum majus* ssp. *majus* and ssp. *norvegicum*. – *The Bryologist* **125**(2): *294–310*. https://doi.org/10.1639/0007-2745-125.2.294

[NOSOVA, M.B., E.D. LAPSHINA, A.A. NOTOV & M.S. IGNATOV] НОСОВА М.Б., Е.Д. ЛАПШИНА, А.А. НОТОВ, М.С. ИГНАТОВ. 2022. Голоценовая динамика реликтового комплекса мхов Коротовского болота (государственный комплекс "Завидово", Россия) [Holocene dynamics of a relict moss complex in the Korotovskoe mire (state complex "Zavidovo", Russia)]. *Заповедная наука* [*Nature Conservation Research*] **7**(1): *80–95*. https://dx.doi.org/10.24189/ncr.2022.010

[NOTOV, A.A.] НОТОВ А.А. 2019. Некоторые итоги флористических исследований в национальном парке за последние пять лет (2014 – 2018 гг.) – [Some results of floristic research in the national park over the past five years (2014-2018)] *В кн.: Национальный парк государственный комплекс "Завидово" – 90 лет: природа, наука, история* [*In: National Park "State complex «Zavidovo" – 90 years: Nature, Science, History*]: *47–66*.

[NOZHINKOV, A.E. & A.V. KLIMOV] НОЖИНКОВ А.Е., А.В. КЛИМОВ. 2019. Флора мхов горы Марганцевой (Междуреченский городской округ, Кемеровская область). – [Flora of mosses of the Margantsevaya Mountain (Mezhdurechensky Urban District, Kemerovo Region)] *Проблемы ботаники Южной Сибири и Монголии* [*Problems of botany of South Siberia and Mongolia*] **18**: *333–337*. https://doi.org./10.14258/pbssm.2019066

[OBABKO, V. & V.N. TARASOVA] ОБАБКО Р.П., В.Н. ТАРАСОВА. 2021. Эпифитная бриофлора Южной Карелии. – [Epiphytic bryoflora of Southern Karelia] *Труды Карельского научного центра РАН* [*Transactions of the Karelian Reserch Centre RAS*] **8**: *41–49*. https://doi.org/10.17076/bg1464 /The list includes 60 species for which information about the location, habitat, and type of substrate is presented.

ONELE, A.O., A.V. CHASOV, L.V. VIKTOROVA, F.V. MINIBAYEVA & R.P. BECKETT. 2021. Characterization and expression analysis of ascorbate peroxidase from the moss *Dicranum scoparium* during abiotic stresses. – *The Bryologist* **124**(1): *68–84*. https://doi.org/10.1639/0007-2745-124.1.068

OTNYUKOVA, T.N. 2020. New cleistocarpous species of the genus *Pterygoneurum* (Pottiaceae, Bryophyta) from the steppe slopes of Siberia (Russia). – *Новости систематики низших растений* [*Novosti sistematiki nizshikh rastenii*] **54**(1): *251–260*. https://doi.org/10.31111/nsnr/2020.54.1.251. /*Pterygoneurum sibiricum* is described. Description, differentiation, distribution and illustrated are provided.

OTNYUKOVA, T.N. 2020. Three new cleistocarpous species of the genera *Tortula* and *Microbryum* (Pottiaceae, Bryophyta). – *Новости систематики низших растений* [*Novosti sistematiki nizshikh rastenii*] **54**(2): *515–535*. https://doi.org/10.31111/nsnr/2020.54.2.515 / *Tortula arenaria, Microbryum lydiae,* and *Tortula irinae* are described. Description, differentiation, distribution and illustrated are provided.

PATIÑO, J., I. BISANG, B. GOFFINET, L. HEDENÄS, S. MCDANIEL, S. PRESSEL, M. STECH, C. AH-PENG, A. BERGAMINI, R.T. CANERS, D.C. CARGILL, N. CRONBERG, J. DUCKETT, S. EPPLEY, N.J. FENTON, K. FISHER, J. GONZÁLEZ-MANCEBO, M. HASEBE, J. HEINRICHS, K. HYLANDER, M.S. IGNATOV, J. MARTÍNEZ-ABAIGAR, N.G. MEDINA, R. MEDINA, D. QUANDT, S.A. RENSING, K. RENZAGLIA, M. RENNER, R.M. ROS, A. SCHÄFER-VERWIMP, J.C. VILLARREAL & A. VANDERPOORTEN. 2022. Unveiling the nature of a miniature world: a horizon scan of fundamental questions in bryology. – *Journal of Bryology* **44**(1): *1–34*. https://doi.org/10.1080/03736687.2022.2054615

[PISARENKO, O.YU. & I.A. ARTEMOV] ПИСАРЕНКО О.Ю., И.А. АРТЕМОВ. 2019. К флоре мхов хребта Сенгилен. – [On the bryophyte flora of the Sengilen Range] *Проблемы ботаники Южной Сибири и Монголии* [*Problems of botany of South Siberia and Mongolia*] **18**: *365–368*. https://doi.org./10.14258/pbssm.2019073

PISARENKO, O.Yu. 2020. New moss records from the Republic of Tuva. *Turczaninowia*. **23**(2): *64–69*. https://doi.org/10.14258/turczaninowia.23.2.9 /New species for the Republic of Tuva: *Calliergon richardsonii, Coscinodon cribrosus, Hymenostylium recurvirostrum, Isopterygiopsis pulchella, Loeskypnum badium, Plagiobryum demissum, Pseudocalliergon turgescens, Tayloria lingulata*. Herbarium labels are cited, and the distribution features of the species are discussed.

PISARENKO, O.YU., O.I. KUZNETSOVA, E.A. IGNATOVA & M.S. IGNATOV. 2021. A further range extension of the genus *Arvernella* (Bryophyta). – *Arctoa* **31**(1): *1–6*. https://doi.org/10.15298/arctoa.31.01 /A molecular phylogenetic analysis, description, differentiation, illustration, distribution and ecology of *Arvernella sibirica* are provided.

PISARENKO, O.YU., V.A. BAKALIN & E.A. IGNATOVA. 2020. *Hookeria acutifolia* (Hookeriaceae, Bryophyta), a new species for the moss flora of Russia. – *Botanica Pacifica* **9**(1): *71–75*. https://doi.org./10.17581/bp.2020.09104 /*Hookeria acutifolia* was found on Kunashir Island (South Kuril Islands, East Asia). A description and illustrations are provided. Details on its ecology and distribution in comparison with *Hookeria lucens* are discussed on the basis of bioclimatic modelling by Max Ent.

PISARENKO, O.YU., V.E. FEDOSOV, K.A. KORZNIKOV, A.V. SHKURKO & E.A. IGNATOVA. 2022. The moss flora of the Badzhal Mountain Range (Khabarovsk Territory, Russian Far East). – *Botanica Pacifica* **11**(1): *89–114*. https://doi.org./10.17581/bp.2022.11105

[PISARENKO, O.YU.] ПИСАРЕНКО О.Ю. 2020. Листостебельные мхи в растительном покрове Шлюзовского лесоболотного комплекса. – [Leafy mosses in the vegetation cover of the Shlyuzovsky forest-bog complex] *В кн.: Миронычева-Токарева Н.П. (ред.) Уникальный памятник природы Шлюзовской лесо-болотный комплекс "Сказочный". Экология и охрана. Материалы региональной научно-практической междисциплинарной конференции 19 апреля 2018 г.* [*In: Mironycheva-Tokareva, N.P. (ed.) A unique nature monument Shlyuzovskoi forest-mire complex "Skazochnyi". Ecology and conservation. Materials of scientific and practical conference, 19 April 2018*] *Новосибирск: Изд-во "Окарина"* [*Novosibirsk, "Okarina" Publishing House*], *pp. 25–32*. ISBN 978-5-6044070-2-8

[PISARENKO, O.YU.] ПИСАРЕНКО О.Ю. 2020. Опыт применения алгоритма MaxEnt к анализу распределения видов мхов. – [Maxent algorithm applying to moss species distribution analysis] *Проблемы ботаники Южной Сибири и Монголии* [*Problems of botany of South Siberia and Mongolia*] **19**(2): *211–214*. https://doi.org./10.14258/pbssm.2020105

[PISARENKO, O.Yu.] ПИСАРЕНКО О.Ю. 2020. Состояние бриологической изученности Алтае-Саянской горной области. – [State of knowledge on mosses of Altai-Sayan Mountain Region] *Растительный мир Азиатской России* [Vegetation of Asian Russia] **3**(39): *3–14*. https://doi.org./10.21782/RMAR1995-2449-2020-3(3-14)

POLEVOVA, S.V., A.V. MOISEENKO, M.A. KOLESNIKOVA, D.A. ASHIKHMINA & M.S. IGNATOV. 2019. An attempt to create air sacs in spores? On the unusual spore structure in moss *Encalypta longicollis*. – *Arctoa* **28**(2): *171–178*. https://doi.org/10.15298/Arctoa.28.15 / An empty perine processes covering spore surface are discovered in *Encalypta longicollis*, being likely the first known case of the gas-filled structures in moss spores. This species is characterized by outstandingly large spores, 55–85(–95) μm in diameter, whereas in other species of the genus spores are 9–40(–50) μm.

POLEVOVA, S.V., U.N. SPIRINA & M.S. IGNATOV. 2022. Ultrastructure and development of sporoderm in *Andreaeobryum macrosporum* Steere & B.M. Murray (Andreaeobryopsida). – *Review of Palaeobotany and Palynology* 300: https://doi.org./10.1016/j.revpalbo.2022.104621

[POPOV, S.YU.] ПОПОВ С. Ю. 2021. Пределы северного распространения *Sphagnum wulfianum* (Sphagnaceae, Bryophyta) в Палеарктике – находки в тундровой зоне: случайность или закономерность? – [Northern distribution limits of *Sphagnum wulfianum* (Sphagnaceae, Bryophyta) in the Northern Palearctic – records from tundra: coincidence or rule?] *Новости систематики низших растений* [*Novosti sistematiki nizshikh rastenii*] **55**(2): *475–486*. https://doi.org/10.31111/nsnr/2021.55.2.475

[POPOVA, N.N. & L.F. VOLOSNOVA] ПОПОВА Н.Н., Л.Ф. ВОЛОСНОВА. 2021. Бриофлора государственного природного заказника "Милославская лесостепь" (Рязанская область). – [Bryoflora of the state nature reserve "Miloslavskaya forest-steppe" (Rya-

zan Region)] *Вопросы степеведения* [*Steppe science*] **1**: *57–67*. https://doi.org/10.24412/2712-8628-2021-1-57-67 /The bryoflora of the reserve is one of the richest among the local bryoflora of the northern forest-steppe and includes 109 species.

[POPOVA, N.N.] ПОПОВА Н.Н. 2020. Бриофлора ботанических садов, дендрариев и дендрологических парков Воронежской области. – [Bryoflora of botanic gardens, arboreta and dendrological parks in Voronezh Region] *Проблемы ботаники Южной Сибири и Монголии* [*Problems of botany of South Siberia and Mongolia*] **19**(1): *156–161* https//doi.org./10.14258/pbssm.2020031

[POPOVA, N.N.] ПОПОВА Н.Н. 2020. Бриофлора дендрологического парка лесостепной селекционно-опытной станции "Мещерка" (Липецкая область) – [Bryoflora of arboretum of the forest-steppe selection experimental station "Meshcherka" (Lipetsk Region)] *Проблемы ботаники Южной Сибири и Монголии* [*Problems of botany of South Siberia and Mongolia*] **19**(1): *286–288*. https://doi.org./10.14258/pbssm.2020056

[Popova, N.N.] Попова Н.Н. 2020. Бриофлора историко-культурного и природно-ландшафтного музея-заповедника "Усадьба С. Н. Худекова" (Рязанская область) – [Bryoflora of the historical, cultural and natural landscape museum-reserve "S. N. Khudekov's Estate" (Ryazan Region)] *Проблемы ботаники Южной Сибири и Монголии* [*Problems of botany of South Siberia and Mongolia*] **21**(1): *135–139*. https//doi.org./10.14258/pbssm.2022029

[POPOVA, N.N.] ПОПОВА Н.Н. 2020. Бриофлора старинных усадебных парков Саратовской области. – [Bryoflora of old manor parks in Saratov Region] *Ботанический журнал* [*Botanicheskii Zhurnal*] **105**(5): *419–428*. https://doi.org/10.31857/S0006813620050099 /List includes 50 mosses.

[POPOVA, N.N.] ПОПОВА Н.Н. 2021. Бриофлора государственных региональных заказников Воронежской области. – [Bryoflora of the state regional nature reserves of the Voronezh Region] *Вестник Тверского государственного университета. Серия биология и экология* [*Bulletin of Tver State University. Series Biology and ecology*] **1**(61): *137–155.* https://doi.org/10.26456/vtbio191 /The bryoflora of these reserves contains 126 species of bryophytes.

[POPOVA, N.N.] ПОПОВА Н.Н. 2021. Бриофлора охраняемых садово-парковых ландшафтов города Воронежа. – [Bryoflora of protected landscape gardens of the city of Voronezh] *Проблемы ботаники Южной Сибири и Монголии* [*Problems of botany of South Siberia and Mongolia*] **20**(1): *357–361*. https://doi.org./10.14258/pbssm.2021072

[POPOVA, N.N.] ПОПОВА Н.Н. 2022. Бриофлора известняковых карьеров Среднерусской возвышенности. – [Bryoflora of limestone quarries of the Central Russian Upland] *Ботанический журнал* [*Botanicheskii Zhurnal*] **107**(4): *315–332.* https://doi.org/10.31857/S0006813622040056.

PORLEY, R.D., V.E. FEDOSOV, V. PLÁŠEK, A. FEDOROVA. 2021. Undiscovered biodiversity of the European moss flora: *Neodicranella hamulosa* (Aongstroemiaceae), a new genus and species from SW Portugal. – *Plants* **10**(11): *2289*. https://doi.org/10.3390/plants10112289

POTEMKIN, A.D. & F. MÜLLER. 2020. The genus *Scapania* (Scapaniaceae, Marchantiophyta) in Myanmar. – *Journal of Bryology* **42**(4): *386–389.* https://doi.org/10.1080/03736687.2020.1793079

POTEMKIN, A.D. & A.A. VILNET. 2021. *Lophozia svalbardensis* (Lophoziaceae) in continental North America, Greenland and Siberia, its identity, variation and differentiation. – *Nordic Journal of Botany*: e03380. https://doi.org/10.1111/njb.03380

POTEMKIN, A. D. & A. A. VILNET. 2021. Reappraisal of *Gymnocolea* and description of a new genus *Rudolgaea* (Anastrophyllaceae, Marchantiophyta). – *Arctoa* **30**(2): *138–148*. https://doi.org/10.15298/arctoa.30.15.

POTEMKIN, A., V. BAKALIN, A. VILNET, K. KLIMOVA & E. KUZMINA. 2021. A survey of the section *Scapania* of the genus *Scapania* (Scapaniaceae) with description of new species *Scapania pseudouliginosa* and resurrection of *S. gigantea*. – *The Bryologist* **124**(4): *569–589*. https://doi.org/10.1639/0007-2745-124.4.569

POTEMKIN, A.D., A.A. VILNET, E.I. TROEVA & K.A. ERMOKHINA. 2021. *Gymnocolea borealis* (Anastrophyllaceae, Marchantiophyta) in Asia and Russia: morphology, ecology, distribution, and differentiation. – *Новости систематики низших растений* [*Novosti sistematiki nizshikh rastenii*] **55**(2): *487–494*. https://doi.org/10.31111/nsnr/2021.55.2.487 /*Gymnocolea borealis* is reported for the first time for Asia from Russia based on the morphological and subsequent molecular-genetic comparison of rbcL cpDNA sequence of the specimen from the Gydansky Peninsula, West Siberian Arctic. An extended morphological description, generalizing the species characters throughout its range, and data on its variation, differentiation and ecology, and photomicrographs are provided.

[PRELOVSKAYA, E.S.] ПРЕЛОВСКАЯ Е.С. 2020. Эпифитные мхи лесов юго-западного побережья озера Байкал– [Epiphytic mosses of forests on the southwestern coast of Lake Baikal] *Проблемы ботаники Южной Сибири и Монголии* [*Problems of botany of South Siberia and Mongolia*] **19**(2): *365–368*. https://doi.org./10.14258/pbssm.2020136

[PRELOVSKAYA, E.S. & S.G. KAZANOVSKY] ПРЕЛОВСКАЯ Е.С., С.Г. КАЗАНОВСКИЙ. 2019. Бриологический гербарий сибирского института физиологии и биохимии растений СО РАН (IRK): история и перспективы. – [Briological herbarium of the siberian institute of plant physiology and biochemistry SB RAS (IRK): history and prospects] *Проблемы ботаники Южной Сибири и Монголии.* [*Problems of botany of South Siberia and Mongolia*] **18**: *369–372*. https://doi.org./10.14258/pbssm.2019074

[PRELOVSKAYA E.S., S.G. KAZANOVSKY & N.V. STEPANTSOVA] ПРЕЛОВСКАЯ Е.С., С.Г. КАЗАНОВСКИЙ, Н.В. СТЕПАНЦОВА. 2021. Дополнения к бриофлоре Байкало-Ленского заповедника (Иркутская область). – [Additions to the bryoflora of the Baikal-Lensky Nature Reserve (Irkutsk Region)] *Проблемы ботаники Южной Сибири и Монголии* [*Problems of botany of South Siberia and Mongolia*] **20**(1): *362–366.* https://doi.org./10.14258/pbssm.2021073

RENNER, M.A.M., P.J. DE LANGE & D.S. GLENNY. 2021. A synopsis of Aotearoa / New Zealand *Lejeunea* (Lejeuneaceae: Jungermanniopsida) and new species in the *Lejeunea epiphylla* Colenso complex. – *Arctoa* **30**(2): *187–212*. https://doi.org/10.15298/arctoa.30.20

[RYKOVSKY, G. F.] РЫКОВСКИЙ Г.Ф. 2018. Концептуальная модель происхождения печеночников класса Marchantiopsida. – [Conceptual model of the origin of the liver manufacturers of the class Marchantiopsida] *Ботаника (исследования), Минск: Колорград* [*Botany (research), Minsk: Kolorgrad*] **47**: *3–6*. ISSN 2221-9927.

[RYKOVSKY, G.F., M.S. MALKO & A.A. SAKOVICH] РЫКОВСКИЙ Г.Ф., М.С. МАЛЬКО, А.А. САКОВИЧ. 2019. Таксономическая структура бриофлоры Белорусско-Украинского Полесья. –[Taxonomic structure of the bryoflora of the Belarusian-Ukrainian Polesie] *Ботаника (исследования), Минск: Колорград* [*Botany (research) - Minsk: Kolorgrad*] **48**: *3–26*. ISSN 2221-9927.

[RYKOVSKY, G.F.] РЫКОВСКИЙ Г.Ф. 2020. К проблеме генезиса секций сфагновых мхов. – [The study of the genesis of the *Sphagnum* mosses sections] *Ботаника (исследования), Минск: Колорград* [*Botany (research), Minsk: Kolorgrad*] **49**: *3–10*. ISSN 2221-9927.

[SHABETA, M.S, & G.F. RYKOVSKY] ШАБЕТА М.С., Г.Ф. РЫКОВСКИЙ. 2018. Мохообразные лиственных дендроценозов подзоны сосново-широколиственных лесов Беларуси. – [Bryoflora of deciduous forests of the subzone of pine-broadleaf forests] *Ботаника (исследования), Минск: Колорград* [*Botany (research), Minsk: Kolorgrad*] **47**: *52–62*. ISSN 2221-9927.

SHMAKOVA, N. & O. ERMOLAEVA. 2020. The pigment complex and photosynthetic activity in the annual cycle of *Polytrichum commune* in the forest belt of the Khibiny Mountains on the Kola Peninsula of Russia. – *Czech Polar Reports* **10**(1): *37–49.* https://doi.org./10.5817/CPR2020-1-4.

[SHTANG, A.K., V.G. TATARINTSEVA & T.I. PONOMAREVA] ШТАНГ А.К., В.Г. ТАТАРИНЦЕВА, Т.И. ПОНОМАРЕВА. 2021. Сезонная динамика пигментного состава некоторых видов сфагновых мхов Иласского болотного массива. – [Seasonal dynamics of the pigment composition of some species of *Sphagnum* mosses of the

Ilas bog massif] *В кн.: XI Галкинские Чтения* [*In*: *XI meeting in memoriam of E.A. Galkina*]: *101–102.*

[SHUBINA, T.P., G.V. ZHELEZNOVA & S. V. DEGTEVA] Т. П. ШУБИНА, Г. В. ЖЕЛЕЗНОВА, С. В. ДЁГТЕВА. 2020. Мхи горных массивов Печоро-Илычского государственного природного заповедника (Северный Урал, бассейны рек Печора и Илыч). – [Mosses of mountain ranges of the Pechora-Ilych State Nature Reserve (The North Urals, the Pechora and Ilych Rivers Basins)] *Труды Карельского научного центра Российской академии наук* [*Transactions of the Karelian Reserch Centre RAS*] **8**: *104–119*. https://doi.org/10.17076/bg1219. – URL:http://journals.krc.karelia.ru/index.php/biogeo/article/view/1219/922

SHKURKO, A.V., V.E. FEDOSOV & E.O. KOROLKOVA. 2020. On *Sphagnum medium* Limpr. in Russia. – *Skvortsovia* **6**(2): *37–38*.

SMIRNOVA, E.V., E.V. KUSHNEVSKAYA, A.D. POTEMKIN & L.E. KURBATOVA. 2022. Rare and new bryophytes (Bryophyta, Marchantiophyta) for the Leningrad Region on outcrops of Devonian sandstones in the Luga River Basin (European Russia). – *Новости систематики низших растений* [*Novosti sistematiki nizshikh rastenii*] **56**(1): *161–179*. https://doi.org/10.31111/nsnr/2022.56.1.161 / Four rare liverwort and 12 rare moss species are reported. Description of habitats and distribution of each species are discussed.

SOFRONOVA, E.V. 2019. Liverworts of the mountain tundra belt of the North-East Yakutia. – *Arctoa* **28**(2): *210–217*. https://doi.org/10.15298/Arctoa.28.18. /Annotated list includes 111 species.

[SOFRONOVA, E.V.] СОФРОНОВА Е.В. 2019. Печеночники хребта Улахан-Чистай (Якутия). – [Liverworts of Ulakhan-Chistay range (Yakutia)] Ботанический *журнал* [*Botanicheskii Zhurnal*] **104**(8): *1189–1202.* https://doi.org/10.1134/S0006813619080106 /Annotated list includes 95 liverworts. *Gymnomitrion brevissimum* was recorded for the first time in Yakutia.

[SOFRONOVA, E.V.] СОФРОНОВА Е.В. 2021. Аннотированный список печеночников хребта Удокан (Южная Якутия). – [Annotated list of liverworts of Udokan Range (South Yakutia)] *Ботанический журнал* [*Botanicheskii Zhurnal*] **106**(5): *474–482*. https://doi.org/10.31857/S0006813621050045 /Annotated list includes 90 liverworts.

[SOFRONOVA, E.V.] СОФРОНОВА Е.В. 2022. Дополнение к флоре печеночников хребта Сунтар-Хаята (Восточная Якутия, Россия). – [Additions to the liverwort flora of the Suntar-Khayata Range (Eastern Yakutia, Russia)] *Новости систематики низших растений* [*Novosti sistematiki nizshikh rastenii*] **56**(1): *181–196*. https://doi.org/10.31111/nsnr/2022.56.1.181 /*Chiloscyphus polyanthos, Clevea hyalina, Eocalypogeia schusteriana, Frullania parvistipula, Lophoziopsis excisa* var. *elegans, Mannia pilosa, Pellia endiviifolia, Scapania glaucocephala* are reported.

SOFRONOVA, E.V. (ed.), O.M. AFONINA, V.K. ANTIPIN, O.A. BELKINA, M.A. BOYCHUK, I.V. CZERNYADJEVA, G.YA. DOROSHINA, A.P. DYACHENKO, V.E. FEDOSOV, M.S. IGNATOV, E.A. IGNATOVA, S.S. KHOLOD, M.A. KOLESNIKOVA, D.E. KOLTYSHEVA, A.S. KOMAROVA, N.A. KONSTANTINOVA, N.E. KOROLEVA, T.I. KOROTEEVA, M.N. KOZHIN, E.V. KUDR, E.YU. KUZMINA, M.V. LAVRENTIEV, YU.S. MAMONTOV, V.YU. NESHATAEVA, D.A. PHILIPPOV, S.YU. POPOV, N.N. POPOVA, YU.M. SERGEEVA, N.E. SHEVCHENKO, V.A. SMAGIN, G.S. TARAN, V.V. TELEGANOVA, K.U. TEPLOV, N.P. TIKHOMIROV, T.V. VORONKOVA & A.G. ZAKHAROVA. 2019. New bryophyte records. 13. – *Arctoa* **28**(2): *231–250*. https://doi.org/10.15298/arctoa.28.22.

SOFRONOVA, E.V. (ed.), O.M. AFONINA, E.Z. BAISHEVA, A.N. BERSANOVA, A.G. BEZGODOV, M.A. BOYCHUK, N.I. DEGTYAREV, G.YA. DOROSHINA, M.V. DULIN, V.E. FEDOSOV, I.A. GAINUTDINOV, O.G. GRISHUTKIN, M.S. IGNATOV, E.A. IGNATOVA, V.N. KHRAMTSOV, N.E. KOROLEVA, M.N. KOZHIN, E.YU. KUZMINA, M.V. LAVRENTIEV, D.A. PHILIPPOV, S.YU. POPOV, N.N. POPOVA, A.A. PROKIN, V.V. RUKAVISHNIKOVA, N.E. SHEVCHENKO, S.KH. SHHAGAPSOEV, A.V. SHKURKO, V.A. SMAGIN & N.I. ZOLOTUKHIN. 2020. New bryophyte records. 14. – *Arctoa* **29**(1): *75–97*. https://doi.org/10.15298/arctoa.29.06.

SOFRONOVA, E.V. (ed.), O.M. AFONINA, M.A. BOYCHUK, G.YA. DOROSHINA, V.E. FEDOSOV, G.N. GANASEVICH, M.V. KAZAKOVA, E.YU. KUZMINA, E.D. LAPSHINA, N.S. LIKSAKOVA, N.N. POPOVA, D.S. SHILNIKOV, V.A. SMAGIN & E.F. VILK. 2020. New bryophyte records. 15. – *Arctoa* **29**(2): *219–239*. https://doi.org/10.15298/arctoa.29.16.

SOFRONOVA, E.V. (ed.), O.M. AFONINA, E.A. BELYAKOV, A.G. BEZGODOV, O.V. BIRYKOVA, M.A. BOYCHUK, I.V. CZERNYADJEVA, G.YA. DOROSHINA, M.V. DULIN, V.E. FEDOSOV, G.L. FREYDIN, KH.YU. GUZIEV, M.S. IGNATOV, YU.S. ISHCHENKO, K.A. IVANOVA, O.A. KAPITONOVA, G.M. KUKURICHKIN, E.Yu. KUZMINA, M.V. LAVRENTIEV, A.I. MAKSIMOV, D.A. PHILIPPOV, N.N. POPOVA, A.A. SHESTAKOVA, D.S. SHILNIKOV, K.YU. TEPLOV, V.N. TYURIN, E.F. VILK, E.L. ZHELEZNAYA. 2021. New bryophyte records. 16. – *Arctoa* **30**(1): *93–110*. https://doi.org/10.15298/arctoa.30.11.

SOFRONOVA, E.V. (ed.), Z.I. ABDURAKHMANOVA, O.M. AFONINA, E.A. BOROVICHEV, M.A. BOYCHUK, O.V. CHEREDNICHENKO, I.V. CZERNYADJEVA, G.YA. DOROSHINA, M.V. DULIN, I.G. ESINA, V.E. FEDOSOV, G.L. FREYDIN, M.G. GADZHIATAEV, O.G. GRISHUTKIN, M.S. IGNATOV, E.A. IGNATOVA, D.S. KESSEL , A.A. KHAPUGIN, M.N. KOZHIN, E.V. KUSHNEVSKAYA, E.YU. KUZMINA, N.S. LIKSAKOVA, A.I. MAKSIMOV, S.A. MOSHKOVSKII, N.N. POPOVA, A.D. POTEMKIN, N.A. SEMENOVA, K.V. SHCHUKINA, A.D. SINICHKINA, E.V. SMIRNOVA, E.G. SUSLOVA, D.YA. TUBANOVA & G.V. ZHELEZNOVA. 2021. New bryophyte records. 17. – *Arctoa* **30**(2): *465–477*.

SOFRONOVA, E.V. (ed.), O.M. AFONINA, A.G. BEZGODOV, M.A. BOYCHUK, I.V. CZERNYADJEVA, G.YA. DOROSHINA, R.S. ERZHAPOVA, V.E. FEDOSOV, O.G. GRISHUTKIN, I.B. KUCHEROV, L.E. KURBATOVA, S.A. KUTENKOV, E.YU. KUZMINA, N.S. LIKSAKOVA, A.I. MAKSIMOV, YU.S. MAMONTOV, V.YU. NESHATAEVA, K.O. PECHENKINA, N.N. POPOVA, A.D. POTEMKIN, D.S. SCHURYAKOV, K.V. SHCHUKINA, A.V. SHKURKO, K.I. SKVORTSOV & A.R. YAMBUSHEV. 2022. New bryophyte records. 18. – *Arctoa* **31**(1): *62–75.* https://doi.org/10.15298/arctoa.31.09

SOKOLOVA, I.V., M.A. GOLOLOBOVA, J. HENTSCHE & A.D. POTEMKIN. 2022. Cryptogamic nomenclatural notes. 5 – *Новости систематики низших растений* [*Novosti sistematiki nizshikh rastenii*] **56**(1): *197–202*. https://doi.org/10.31111/nsnr/2022.56.1.197 / Lectotypification of *Isotachis woronowii* is provided.

SPIRINA, U.N., T.V. VORONKOVA & M.S. IGNATOV. 2020. Are all paraphyllia the same? – *Frontiers in Plant Science* **11**: *858* [*1–14*]. https://doi.org/10.3389/fpls.2020.00858

SULAYMAN, M., V. FEDOSOV & V. PLÁŠEK. 2022. Four remarkable additions to the biodiversity of Chinese mosses. – *Plants* **11**(19): 2590. https://doi.org/10.3390/plants11192590

[TARAN, G.S., A.P. DYACHENKO & V.N. TYURIN] ТАРАН Г.С., А.П. ДЬЯЧЕНКО, В.Н. ТЮРИН. 2021. Кайбасовские тополевые леса (р. Обь, Томская область, подзона южной тайги). – [Kaybasovo Poplar Forests (the Ob River, Tomsk Oblast, the Southern Taiga Subzone)] *Журнал Журнал Сибирского федерального университета. Биология* [*Journal of Siberian Federal University. Biology*] **14**(1): *43–60*. https://doi.org./10.17516/1997-1389-0340

[TARAN, G.S. & A.P. DYACHENKO] ТАРАН Г.С., А.П. ДЬЯЧЕНКО. 2020. Тополевые леса реки Оби у города Колпашево (Томская область, Россия). – [Poplar Forests of the Ob River near the Town of Kolpashevo, Tomsk Region, Russia] *Журнал Журнал Сибирского федерального университета. Биология* [*Journal of Siberian Federal University. Biology*] **13**(1): *62–80*. https://doi.org./10.17516/1997-1389-0064

[TARAN, G.S. & A.P. DYACHENKO] ТАРАН Г.С., А.П. ДЬЯЧЕНКО. 2021. *Poo remotae–laricetum sibiricae* (*Alnetea glutinosae*), новая ассоциация из поймы р. Оби (г. Новосибирск, Россия). – [*Poo remotae–laricetum sibiricae* (*Alnetea glutinosae*), a new association from

the floodplain of the river Ob (Novosibirsk, Russia)] *Ботанические исследования Сибири и Казахстана* [*Botanical research of Siberia and Kazakhstan*]. **27**: *62–65*.

TELEGANOVA, V.V. 2021. Moss flora of the national park "Smolenskoe Poozerye" (North-West Russia). – *Arctoa* **30**(1): *55–62*. https://doi.org/10.15298/arctoa.30.06. /The annotated list included 171 species.

TELYATNIKOV, M.YU., O.V. KHITUN, I.V. CZERNYADJEVA, E.YU. KUZMINA & K.A. ERMOKHINA. 2021. A contribution to the syntaxonomic diversity of the Tazovsky Peninsula, Arctic Russia. – *Botanica Pacifica* **10**(1): *37–51*. https://doi.org/10.17581/bp.2021.10106

[TELYATNIKOV, M.YU., O.V. KHITUN, I.V. CZERNYADJEVA, E.YU. KUZMINA & K.A. ERMOKHINA] ТЕЛЯТНИКОВ М.Ю., О.В. ХИТУН, И.В.ЧЕРНЯДЬЕВА, Е.Ю. КУЗЬМИНА, К.А. ЕРМОХИНА. 2021. Новые данные о растительности двух районов южной части подзоны типичных тундр Гыданского полуострова. – [New data on vegetation of two localities in the southern part of the typical tundra subzone in the Gydan Peninsula] *Turczaninowia* **24**(3): *5–23*. https://doi.org/10.14258/turczaninowia.24.3.1

TRUBINA, M.R. & A.P. DYACHENKO. 2021. Current state of forest moss communities after reduction of emissions from the Middle-Ural copper smelter. – *Biology Bulletin* **48**(10): *1924–1931*. https://doi.org./10.1134/S1062359021100265.

[TRUBINA, M.R. & A.P. DYACHENKO] ТРУБИНА М.Р., А.П. ДЬЯЧЕНКО. 2020. Современное состояние мохового покрова лесов после сокращения выбросов среднеуральского медеплавильного завода. – [Current state of forest moss communities after reduction of emissions from the Middle-Ural copper smelter] *Поволжский экологический журнал* [*Povolzhskiy ekologicheskiy zhurnal*] **4**: *477–491*. https://doi.org/10.35885/1684-7318-2020-4-477-491.

TUBANOVA, D.YA., T.I. KOROTEEVA & E.A. IGNATOVA. 2019. On the sporophyte of *Dicranum ignatovii* (Dicranaceae, Bryophyta). – *Arctoa* **28**(2): *167–170*. https://doi.org/10.15298/Arctoa.28.14 /Sporophytes of *Dicranum ignatovii* were found in two herbarium specimens from Kunashir Island (South Kuril Islands). Illustrations is given.

[TUBANOVA, D.YA., I.V. CZERNYADJEVA & O.D. DUGAROVA] ТУБАНОВА Д.Я., И.В. ЧЕРНЯДЬЕВА, О.Д. ДУГАРОВА. 2021. Мхи Ангирского и бывшего Ацульского заказников (Республика Бурятия). – [Mosses of Angirskiy and former Atsul'skiy sanctuaries (Republic of Buryatia)] *Ботанический журнал* [*Botanicheskii Zhurnal*] **106**(2): *126–146*. https://doi.org/10.31857/S0006813620120170

UNAN, A.D., A. POTEMKIN, S. URSAVAŢ, S. ÇALÝŢKAN & M. ÖREN. 2020. New records of two *Scapania* species (Scapaniaceae, Marchantiophyta) from north of Turkey. – *Plant Biosystems* **155**(1): *1–8*. http://dx.doi.org/10.1080/11263504.2020.1779836

[VALITOVA, L.A. & E.Z. BAISHEVA] ВАЛИТОВА Л.А., Э.З. БАИШЕВА. 2021. О распространении видов рода G*rimmia* (Grimmiaceae) в Республике Башкортостан. – [On the distribution of G*rimmia* (Grimmiaceae) in the Republic of Bashkortostan] *Экобиотех [Ecobiotech]* **4** (3): *156–166*. 10.31163/2618-964X-2021-4-3-156-166. /In the Republic of Bashkortostan, 13 epilithic moss species belonging to the genus *Grimmia* Hedw. have been found. An annotated list of species with information about the number of findings in different vegetation zones and a brief description of habitat conditions, as well as distribution map of species are provided.

[VALITOVA, L.A., E.Z. BAISHEVA & A.G. KUTUEVA] ВАЛИТОВА, Л.А., Э.З. БАИШЕВА, А.Г. КУТУЕВА. 2020. О распространении редкого вида мха *Dicranum dispersum* Engelmark на Южном Урале. – [On the distribution of the rare moss species *Dicranum dispersum* Engelmark in the Southern Urals] *Естественные и технические науки* [*Yestestvennyye i tekhnicheskiye nauki*] **10**: *35–40*. https://doi.org./10.25633/ETN.2020.10.04

[VILK, E.F. & O.M. AFONINA] ВИЛЬК Е.Ф., О.М. АФОНИНА. 2020. Новые находки мхов в Магаданской области. [New moss species for Magadan Region] — *Turczaninowia* 23(2): *33–38*. https://doi.org/10.14258/turczaninowia.23.2.5

[VILK, E.F. & O.M. AFONINA] ВИЛЬК Е.Ф., О.М. АФОНИНА. 2021. Новые и редкие виды мхов для Магаданской области. – [New and rare moss species for Magadan region] *Ботанический журнал* [*Botanicheskii Zhurnal*] **106**(5): *514–520*. https://doi.org/10.31857/S0006813621050070 /9 species new to the flora of region were revealed, and new localities of 15 rare species were discovered. The findings of such rare species as *Schistidium frahmianum* and *Hygrohypnella bestii* are of special interest.

[VOLKOVA, E.A., D.E. GIMELBRANT, E.G. GINZBURG, E.S. DERKACH, G.A. ISACHENKO, E.S. KUZNETSOVA, L.E. KURBATOVA, S.D. OZEROVA, A.I. REZNIKOV, I.S. STEPANCHIKOVA & V.N. KHRAMTSOV] ВОЛКОВА Е.А., Д.Е. ГИМЕЛЬБРАНТ, Э.Г. ГИНЗБУРГ, Е.С. ДЕРКАЧ, Г.А. ИСАЧЕНКО, Е.С. КУЗНЕЦОВА, Л.Е. КУРБАТОВА, С.Д. ОЗЕРОВА, А.И. РЕЗНИКОВ, И.С. СТЕПАНЧИКОВА, В.Н. ХРАМЦОВ. 2021. Мониторинг природных комплексов. – [Monitoring of nature complexes] *В кн.: Природа западного Котлина* [*In: Nature of Zapadnyy Kotlin*] *СПб*. [*Saint-Petersburg*]: *134–158*.

[VOLKOVA, E.A., D.E. GIMELBRANT, E.G. GINZBURG, G.A. ISACHENKO, E.S. KUZNETSOVA, L.E. KURBATOVA, A.I. REZNIKOV, I.S. STEPANCHIKOVA & V.N. KHRAMTSOV] ВОЛКОВА Е.А., Д.Е. ГИМЕЛЬБРАНТ, Э.Г. ГИНЗБУРГ, Г.А. ИСАЧЕНКО, Е.С. КУЗНЕЦОВА, Л.Е. КУРБАТОВА, А.И. РЕЗНИКОВ, И.С. СТЕПАНЧИКОВА, В.Н. ХРАМЦОВ. 2020. Мониторинг природных комплексов. – [Monitoring of nature complexes] *В кн.: Природа заказника "Северное побережье Невской губы"* [*In: Nature of the reserve "Severnoe poberezhye Nevskoy guby"*] *Воронеж* [*Vornezh*]: *188–225*.

[VOLOGDINA, O.S.] ВОЛОГДИНА О.С. 2022. К вопросу о разнообразии мхов в лесах Забайкальского края. – [On the issue of the diversity of mosses in the forests of the Trans-Baikal Territory] *Проблемы ботаники Южной Сибири и Монголии* [*Problems of botany of South Siberia and Mongolia*] **21**(1): *30–33*. https://doi.org./10.14258/pbssm.2022006

YADAV, S., C. BHAGAT & G. ASTHANA. 2019. Two species of *Fabronia* new to India. – *Arctoa* **28**(2): *218–221*. https://doi.org/10.15298/Arctoa.28.19 /*Fabronia leikipiae* Müll. Hal. and *Fabronia altaica* Ignatova & Ignatov are recorded for first time from India. Both species are described and illustrated here with the Indian plants.

ZHELEZNOVA, G., T. SHUBINA, M. RUBTSOV, G. LITVINENKO & I. CHADIN. 2020. Bryophytes Occurrences dataset based on SYKO Herbarium moss collection. – *Biodiversity Data Journal* **8:** *1–20*. https://doi.org/10.3897/BDJ.8.e57942. – URL: https://bdj.pensoft.net/article/57942/.

Red Data Books

[KORYTIN, N.S. (ed.)] КОРЫТИН Н.С. (отв. ред.). 2018. Красная книга Свердловской области, животные, растения, грибы. – [Red Book of the Sverdlovsk region, animals, plants, mushrooms] *Екатеринбург, ООО "Мир"* [*Yekaterinburg, "Mir"*], *450 pp*.

[BAKALIN, V.A. & K.G. KLIMOVA] БАКАЛИН, В.А. & К.Г. КЛИМОВА. 2019. Печеночники. – [Liverworts] *В кн.: Кондратьев А. В. (ред.) Красная книга Магаданской области. Редкие и находящиеся под угрозой исчезновения виды животных, растений и грибов* [*In: Kondratjev, A.V. (ed.) Red Data Book of Magadan Oblast. Rare and endangered species of animals, plants and fungi*] *Магадан: Охотник* [*Magadan: Okhotnik*], *356 pp*.

[PRISNY, Yu.A. (ed.)] ПРИСНЫЙ Ю.А. (ред.). 2019. Красная книга Белгородской области. Редкие и исчезающие растения, лишайники, грибы и животные. – [Red Data Book of Belgorod Region] *Белгород, БелГУ* [*Belgorod, BelSU*], *668 pp*.

[DYACHENKO, A.P. (ed.)] ДЬЯЧЕНКО А.П. (ред.) 2020. Красная книга Тюменской области. – [Red Book of the Tyumen Region]. ООО "ТЕХНОПРИНТ" [ООО "TEKHNOPRINT", Kemerovo], *460 pp*.

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