

Russian Academy of sciences

Ministry of science and higher education

Papanin Institute for biology of inland waters RAS

Russian botanical society

2nd CIRCULAR

Dear colleagues!

We are pleased to invite you to

IX International scientific conference on Aquatic Macrophytes

“Hydrobotany 2020”

Data of event

17—21 October 2020 — Conference and seminars for young scientists on the methodology of research on the vegetation cover of water bodies and data analysis, the use of molecular methods to solve systematics, phylogeny and phylogeography issues, and practical exercises to identify complex groups of aquatic plants.

Place of event

Borok, Nekouz district, Yaroslavl region, Russia,
Papanin Institute for biology of inland waters RAS
(GPS = 58.06153, 38.23750)

Organizing committee:

- | | |
|--|--|
| • Dr., prof. Alexander V. Krylov | chairman of Organizing committee, Director of the IBIW RAS |
| • Dr. Alexander A. Bobrov | vice-chairman of Organizing committee, IBIW RAS |
| • Dr. Alexander G. Lapirov | vice-chairman of Organizing committee, IBIW RAS |
| • Dr. Andrei V. Scherbakov | member of Organizing committee, Moscow State University |
| • Dr., prof. Nataliya P. Savinykh | member of Organizing committee, Vyatka State University |
| • Dr. Elena V. Chemeris | member of Organizing committee, IBIW RAS |
| • Dr. Dmitrii A. Filippov | member of Organizing committee, IBIW RAS |
| • Dr. Polina A. Volkova | member of Organizing committee, IBIW RAS |
| • Dr. Eugeni A. Belyakov | member of Organizing committee, IBIW RAS |
| • Dr. Eduard V. Garin | conference secretary, IBIW RAS |

Scientific committee:

- | | |
|--|----------------|
| • Dr. Andrei V. Scherbakov
(biodiversity of vascular plants) | Moscow, Russia |
| • Dr., prof. Dmitrii D. Sokolov
(evolutionary morphology and systematics of vascular plants) | Moscow, Russia |
| • Dr., prof. Mikhail S. Ignatov
(taxonomy of mosses) | Moscow, Russia |
| • Dr., prof. Nataliya P. Savinykh
(biomorphology of vascular plants) | Kirov, Russia |

- | | |
|--|-------------------------|
| • Dr., prof. Evgenii A. Kurashov
(secondary metabolites of aquatic plants) | St. Petersburg, Russia |
| • Dr., prof. Viktor V. Chepinoga
(phytocenology and karyosystematics of vascular plants) | Irkutsk, Russia |
| • Dr., prof. Vera V. Soloviyova
(biodiversity of vascular plants) | Samara, Russia |
| • Dr., prof. Georgy M. Fayvush
(biodiversity of vascular plants) | Yerevan, Armenia |
| • Dr. Alla N. Krasnova
(systematics of vascular plants) | Borok, Russia |
| • Dr. Olga A. Kapitonova
(biodiversity and systematics of vascular plants) | Tobolsk, Russia |
| • Dr. Laura M. Kipriyanova
(phytocoenology and ecology of vascular plants) | Novosibirsk, Russia |
| • Dr. Roman E. Romanov
(systematics of charophytes) | St. Petersburg, Russia |
| • Dr. Boris Yu. Teteryuk
(biodiversity and phytocoenology of vascular plants) | Syktyvkar, Russia |
| • Dr., prof. C. Barre Hellquist
(systematics of vascular plants) | Adams, U.S.A. |
| • Dr., prof. Gerhard Wiegler
(systematics and ecology of vascular plants) | Cottbus, Germany |
| • Dr. Joanna Zalewska-Galosz
(systematics of vascular plants) | Krakow, Poland |
| • Dr. Richard V. Lansdown
(systematics and conservation of vascular plants) | Richmond, Great Britain |

Conference secretariat:

- | | |
|------------------------------------|--|
| • Dr. Eduard V. Garin | head of the conference secretariat, IBIW RAS |
| • Dr. Elena G. Krylova | member of the secretariat, IBIW RAS |
| • Dr. Olga A. Lebedeva | member of the secretariat, IBIW RAS |
| • Dr. Ekaterina A. Mowergoz | member of the secretariat, IBIW RAS |

Registered lectures (the list is not final, corrections and additions are possible)

1. The evolutionary morphology of critical groups of aquatic plants (Sokolov D. D.).
2. Conservation of freshwater plants (Lansdown R. V.).
3. "Aquatic core" of flora and analysis of information on regional flora of water bodies (Scherbakov A. V.).
4. On the features of the structural and functional organization of hydrophytes and helophytes (Belyakov E. A. et al.).
5. Diversity of aquatic vascular plants in Russia, the role of hybridization in its formation (Bobrov A. A. et al.).
6. Phylogeography of aquatic vascular plants: reconstruction of the history of radiation using molecular genetic methods (Volkova P. A. et al.).
7. Syntaxonomy and the main ecological and geographical factors of differentiation of aquatic and semi-aquatic vegetation of the southeast of West Siberia (L. M. Kipriyanova).
8. Charophytes (Charales, Charophyceae) from Central Asia: current state of knowledge (Romanov R. E.).

Oral and poster presentation topics

1. Macrosystematics and evolution of aquatic plants.
2. Systematics and geography of different groups of aquatic plants.
3. Biology and ecology of aquatic plants.
4. Phytocenology of aquatic plants.
5. Conservation of aquatic plants.
6. Practical use of aquatic plants.

Themed round tables are also planned.

Workshops for identification of complex taxonomic groups of aquatic plants

Practical exercises with a group of conference participants (no more than 5 people in one group) to gain skills in identification of "complex" taxonomic groups of aquatic plants on their own and suggested specimens.

It is carried out on the basis of the Herbarium of the IBIW RAS (IBIW) by the staff of the laboratory of systematics and geography of aquatic plants and laboratory of higher aquatic vegetation.

If you want to take part in workshops, write about it to the organizing committee and indicate the group of species of interest. See the questionnaire at the end of the letter.

Work with herbarium collections of IBIW

In the Herbarium IBIW no more than 3 persons can work simultaneously. Therefore, we invite everyone to plan and reserve their time in the period before the conference from October 12 to 16, during the conference from October 17 to 21 and after the conference from October 22 to 24. See the questionnaire at the end of the letter.

Registration fee: the amount of the registration fee will be determined depending on the support of the Ministry of Science and Higher Education of the Russian Federation and the Russian Foundation for Basic Research and is indicated in 3rd circular.

General schedule of events:

<i>30 June 2020</i>	abstract submission deadline
<i>from 1 August July 2020</i>	3rd circular mailing
<i>1 October 2020</i>	conference fee deadline
<i>12 October 2020</i>	beginning of pre-conference work with IBIW collections
<i>17 October 2020</i>	conference opening (9:00 registration of participants, 10:00 conference opening)
<i>21 October 2020</i>	conference closing
<i>22 October 2020</i>	beginning of post-conference work with IBIW collections

Contacts: Dr. Eduard V. Garin, secretary of conference, *hydrobotany@ibiw.ru*, +7-980-701-94-92

Participation: lecture, oral presentation, poster presentation.

Working languages: Russian and English.

Place: Papanin Institute for biology of inland waters RAS, Borok, Nekouz district, Yaroslavl region, 152742, Russia.

Abstract should be sent up to 30 June 2020 at *hydrobotany@ibiw.ru*, file – 1st author name.doc/docx; up to 2 pages (including the name, surname of the authors, bibliography, etc.). Abstracts will be published in the author's edition, so please carefully working with the text.

Abstract instruction:

1. Abstract margins – 2 cm.
2. Line spacing – 1.
3. No page numbers.
4. Authors, title: Times New Roman, 12, semi-bold, centered.
5. Affiliation, city, country, e-mail: Times New Roman, 12, regular, centered.
6. After 1 line – text up to 2 pages A4 in Microsoft Word, paragraph indent 1 cm, Times New Roman, 12, regular, width alignment; names of taxa up to the genus in italic, families and higher in regular font.
7. Indicate the support of the funds at the end of the main text.
8. After 1 line without “References”– list of references in alphabet order, paragraph indent 1 cm, Times New Roman, 12, regular, width alignment.
9. Tables, images, photographs are allowed.

Abstract example:

I. K. Ivanov¹, L. I. Petrov²

DISTRIBUTION AND ECOLOGY OF WATER CROWFOOTS (*BATRACHIUM*, *RANUNCULACEAE*) IN THE VOLGA BASIN

¹Tank Belarussian State Pedagogical University, Minsk, Belarussia, mail@mail.ru

²St. Petersburg State University, St. Petersburg, Russia, mail@mail.ru

Text text text text text *Ranunculus kauffmannii* text text text text text text text text text text
text
text text (Cook, 1966; Лебедева и др., 2000; Цвелёв, 2001; Силаева, 2005; Wiegleb et al., 2017) text

The study was supported by the Russian Foundation for Basic Research (12-04-00074-a, 14-04-10060-К).

Лебедева О. А., Лапиров А. Г. К биологии *Batrachium trichophyllum* (Chaix) Bosch: особенности прорастания семян и начальных этапов развития проростка в лабораторных условиях // Биол. внутр. вод. 2000. № 4. С. 14–20.

Силаева Т. Б. Флора бассейна реки Суры: Автореф. дис. ... докт. биол. наук. М., 2005. 39 с.

Цвелёв Н. Н., Гринталь А. Р. Род 26. Шелковник – *Batrachium* (DC.) S. F. Gray // Флора Восточной Европы. СПб.: Мир и семья, Изд-во СПХФА, 2001. Т. 10. 165–174.

Cook C. D. K. A monographic study of *Ranunculus* subgenus *Batrachium* (DC.) A. Gray // Mitt. Bot. Staatssamml. München. 1966. Bd. 6. № 1. S. 47-237.

Wiegleb G., Bobrov A. A., Zalewska-Gałosz J. A taxonomic account of *Ranunculus* section *Batrachium* (Ranunculaceae) // Phytotaxa. 2017. Vol. 319. N 1. P. 1–55.

Workshops for identification of complex taxonomic groups of aquatic plants

Name	Plant group of interest
Ivanov A. B.	<i>Callitriche</i>

Work with herbarium collections of IBIW

You can specify several dates. The work schedule will be specified depending on the number of applicants.

12.10 8-12	13.10 8-12	14.10 8-12	15.10 8-12	16.10 8-12	17.10 8-12	18.10 8-12	19.10 8-12	20.10 8-12	21.10 8-12	22.10 8-12	23.10 8-12
Petrov, <i>Nuphar</i>										Smirnov, <i>Potamogeton alpinus</i>	
12.10 13-17	13.10 13-17	14.10 13-17	15.10 13-17	16.10 13-17	17.10 13-17	18.10 13-17	19.10 13-17	20.10 13-17	21.10 13-17	22.10 13-17	23.10 13-17
				Ivanov, <i>Myriophyllum</i>				Ivanov, <i>Myriophyllum</i>			

Updated information about accommodation and transfer as well as excursion program will be sent in 3rd circular.

Accommodation of participants is supposed at the hotel and the hostel of IBIW RAS. The room type and the price for 1 place:

Suit (single) — 1980 rubles per day

Suit (double) — 1980 rubles per day

Semi-suit (double) — 990 rubles per day

Semi-suit (double) — 1580 rubles per day

Room (double) (after renovation) — 550 rubles per day

Room (double) (without renovation) — 500 rubles per day

Also accommodation is possible at the 3-star hotel «Rybinka», Borok (www.rybinka.ru; <https://www.booking.com/hotel/ru/eco-inn-rybinka.ru.html>) – 2500 rubles per day with food.

How to reach Borok:

- from Moscow (from Belorusski railway station),
- from St. Petersburg (from Moskovskii and Ladozhskii railway stations),
- from Yaroslavl (Yaroslavl Glavnyi railway station).

by trains of the Severnaya railways to station Shestikhino, then 15 km by regular bus or fixed-run taxi. Participants will be transfer to Borok from Shestikhino by the Institute bus or car (please, indicate arrival time in the card of participants).

Schedule of trains and fixed-run taxis:

- **Moscow** (Belorusski railway station) – **Rybinsk** (to station Shestikhino) – Friday (train № 602Я, <http://pass.rzd.ru/>);
- **St. Petersburg** (Moskovskii railway station) – **Ufa/Samara** (to station Shestikhino) – daily, once a day (train № 337Ж or № 347Ж, <http://pass.rzd.ru/>);
- **Yaroslavl** (Yaroslavl Moskovskii and Yaroslavl Glavnyi railway stations) – **Rybinsk** – **Novyi Nekouz/Rodionovo** (local train, to station Shestikhino) – daily, several times a day (<http://yaroslavl-glavnyi.dzv.ru/>, <http://rybinsk.dzv.ru/>, <http://3ty.ru/rasp/0895776.html>);

- **Moscow** (International bus station Severnye Vorota (metro station Khovrino) – **Uglich/Rybinsk** (fixed-run taxi) – daily, several times a day (<https://mosavtovokzal.ru/severnyevorota/>; <http://rybinskblog.ru/transfer-moskva-rybinsk/>).

The Organizing Committee plan to renting a bus and take participants directly from Moscow to Borok and back. To trains from Moscow, St. Petersburg and local trains the bus or car will be given for transfer. In the rest of time it is possible to reach Borok from Shestikhino by regular bus which departure in 10 minutes after arrival of trains. In Uglich picking up by car will be organized.

Colleagues flying to Moscow will be picked up in airports and transfer to Borok.

The Organizing Committee.