

Dear colleagues!

The A.V. Zhirmunsky National Scientific Center of Marine Biology, Far Eastern Branch, Russian Academy of Sciences, invites you to participate in the **All-Russian Conference with international contributions, "Lipid Biochemistry", on October 7–8, 2025, in Vladivostok**. The conference is dedicated to the 90th anniversary of the birth of the outstanding biochemist Viktor Evgenievich Vaskovsky.

The preliminary conference program includes the following sessions:

1. **History of lipid research and novel research methods**
2. **Lipids of aquatic organisms**
3. **Lipids of plants and fungi**
4. **Lipids and human health**
5. **Practical applications and lipid biotechnology**

The conference topics may be expanded based on your suggestions.

The conference aims to strengthen scientific and professional contacts and coordinate the development of scientific research in the field of lipidology. Leading Russian biochemists are scheduled to present their review reports on the conference topics.

Participation in the conference is free; no registration fee is required.

Conference format: Hybrid: in-person or remote participation.

Presentation formats: Oral (plenary, sessional) and poster.

Conference languages: Russian and English.

Conference venue: Conference hall of the A.V. Zhirmunsky National Scientific Center of Marine Biology, Far Eastern Branch, Russian Academy of Sciences (NSCMB FEB RAS), Vladivostok, ul. Palchevskogo 17.

The conference proceedings will be published with an ISBN, registered in the Russian Science Citation Index (RSCI) system, and made in the Russian Scientific Electronic Library (eLIBRARY.RU).

The conference program and additional information will be sent out later and posted on the website: <http://www.wimb.dvo.ru/index.php/ru/nashi-konferentsii-i-shkoly/2215-vserossijskaya-konferentsiya-s-mezhdunarodnym-uchastiem-biokhimiya-lipidov-2025-g>. The submissions of accepted papers will also be posted on the website.

The Organizing Committee reserves the right to reject presentations that do not fit the scope of the conference topic and abstracts that are not prepared according to the guidelines or submitted after the deadline.

The cultural activities of the conference include a tour of Vladivostok, a visit to the Botanical Garden-Institute FEB RAS, and the Primorsky Aquarium, a branch of NSCMB FEB RAS, the largest aquarium in Russia. Details about the tour will be provided in the second information letter.

Important Dates

May 15, 2025 – Deadline for abstract submission

September 15, 2025 – Deadline for registration

Program Committee

Dolmatov Igor Yuryevich, Corresponding Member of the Russian Academy of Sciences, Dr. Sci. (Biol.), Director of the NSCMB FEB RAS (Co-chair), Vladivostok.

Dmitrenok Pavel Sergeevich, Dr. Sci. (Chem.), Director of the G.B. Elyakov Pacific Institute of Bioorganic Chemistry FEB RAS (PIBOC FEB RAS) (Co-chair), Vladivostok.

Stonik Valentin Aronovich, Academician of the Russian Academy of Sciences, Dr. Sci. (Chem.), Professor, Scientific Director of the PIBOC FEB RAS (Co-chair), Vladivostok.

Zhukova Natalya Vladimirovna, Dr. Sci. (Biol.), Chief Researcher, NSCMB FEB RAS (Co-chair), Vladivostok.

Dembitsky Valery Mikhailovich, Dr. Sci. (Chem.), Chief Researcher, N.D. Zelinsky Institute of Organic Chemistry of the Russian Academy of Sciences, Moscow.

Kostetsky Eduard Yakovlevich, Dr. Sci. (Biol.), Professor, Head of the Department of Biochemistry and Biotechnology, Far Eastern Federal University, Vladivostok.

Rozentsvet Olga Anatolyevna, Dr. Sci. (Biol.), Chief Researcher at the Institute of Ecology of the Volga Basin of the RAS – Branch of the Samara Federal Research Center of the RAS, Tolyatti.

Svetashev Vasily Ivanovich, Dr. Sci. (Biol.), Leading Researcher, NSCMB FEB RAS, Vladivostok.

Organizing Committee

Zhukova Natalya Vladimirovna, Chairperson of the Organizing Committee, Dr. Sci. (Biol.), Chief Researcher, NSCMB FEB RAS (Co-chair).

Nekrasov Eduard Vitalievich, Deputy Chairman of the Organizing Committee, Cand. Sci. (Biol.), Senior Researcher, Amur Branch of the Botanical Garden-Institute FEB RAS.

Serkov Vadim Mikhailovich, Secretary of the Organizing Committee, Cand. Sci. (Biol.), NSCMB FEB RAS.

Zhukov Vladimir Evgenievich, Cand. Sci. (Biol.), Academic Secretary, NSCMB FEB RAS.

Dolgov Gennady Vladimirovich, Leading Engineer of the Computer Technologies Department, NSCMB FEB RAS.

Organizing Committee Address

NSCMB FEB RAS, Vladivostok, ul. Palchevskogo 17.

lipid-conf@yandex.ru

Contacts:

- Questions regarding the scientific program of the conference:

Nekrasov Eduard Vitalievich

E-mail: ed_nekrasov@mail.ru

- Registration, abstract submission, and organizational inquiries:

Serkov Vadim Mikhailovich

E-mail: lipid-conf@yandex.ru

Mob.: +7 914 791 78 94

Participants wishing to give a presentation at the conference must send the registration form and abstracts as separate files no later than **May 15, 2025** to the organizing committee via e-mail: lipid-conf@yandex.ru. The registration form filename must begin with the speaker's last name, for example, "Ivanov_registration.doc," and the abstracts file must begin with the first author's last name, for example, "Petrov_abstracts.doc."

Oral and Poster Presentation Formats

Plenary presentations should be 20–30 minutes long.

Sessional presentations should be 15 minutes long, including time for questions and answers.

Poster format: A1 (594 × 841 mm), vertical orientation.

Abstracts in *.doc format (MS Word) should include the following sections: title, authors, organization name, e-mail address, and main text. The total length **should not exceed two pages**, formatted in Times New Roman, 12 pt, without hyphenation, with single line spacing, left-aligned, with 25 mm margins on all sides (top, bottom, right, and left). The text may include one figure (such as a diagram, chart, or other graphic object) and one table. Graphics should be monochrome and placed in the same file with the text. Objects should be centered on the page; the table caption should be placed above the table, while the caption for the other object should be placed below it. Leave one line between the object and the text. References in the abstracts text should be given in Arabic numerals in square brackets, and the cited literature should be listed in a numbered list (no more than three sources) spaced one line after the main text. At the end of the main text, information regarding the programs and grants supporting the study should be provided. Abstracts should be carefully edited, adhering to the rules of spelling and punctuation.

The title of the abstract should be in capital (uppercase) letters, highlighted in bold, centered, with no hyphenation or indents. The author's last name and initials should follow in bold. If there are two or more authors, they should be separated by commas; the speaker's full name should be underlined. The full name of the institution, city, and e-mail address should be listed below, in italics. If multiple institutions are indicated, superscript numbers should be used. The list of references should contain no more than three sources. Information on programs and grants should be highlighted in italics. A sample form is provided in Appendix 2.

The file name must begin with the first author's last name, for example, "Ivanov_ abstracts.doc."

Appendix 1

REGISTRATION FORM
for participants of the All-Russian Conference with international contributions
"Lipid Biochemistry"
(October 7–8, 2025, Vladivostok)

Last name, first name, patronymic (in full):	
Name of the organization (full and abbreviated):	
City, Country:	
Position:	
Academic degree:	
Phone number:	
E-mail:	
Planned session:	
Title of the presentation:	
Authors (<u>underline the speaker</u>):	
Presentation type: oral or poster	
Participation: in-person or remote	
Your suggestions on the conference topic and other organizational issues (optional):	

The registration form and abstracts should be sent to the Organizing Committee via e-mail:

lipid-conf@yandex.ru

FATTY ACIDS OF SALVINIA NATANS FERN**Ivanov I.I.¹, Petrov P.P.²**¹*Zhirmunsky National Scientific Center of Marine Biology, Far Eastern Branch, Russian Academy of Sciences, Vladivostok, ivanov@mail.ru*²*Amur branch of Botanical Garden – Institute, Far Eastern Branch, Russian Academy of Sciences, Blagoveshchensk, petrov@mail.ru*

Previously, the variability in fatty acid content in terrestrial ferns was studied [1]. The aim of this work was to study the fatty acids of the floating fern *Salvinia natans* (L.) All., native to Amur Oblast.

The fern was collected from lakes in the south of Amur Oblast. Whole plants, either without sori or with sori, were used for lipid extraction (Figure). Lipids were extracted using the method described in [2]. Fatty acids were analyzed as methyl esters using gas-liquid chromatography. The results are presented in Table.



Figure. Caption (center alignment, 12 font)

Table. Content of essential fatty acids (% of total) in the fern *S. natans* (center alignment, 12 font)

Fatty acids	Month of collection		
	July	August	September
16:0 (left aligned)	25.0	31.0	35.0
18:0	1.0	0.8	10.2
18:3n-3	30.3	29.5	20.1

Thus, the fatty acid composition of the floating fern *S. natans* is similar to that of terrestrial ferns.

The work was carried out within the framework of research topic No. 122040800086-1.

1. Nekrasov E.V., Svetashev V.I., Khrapko O.V., Vyssotski M.V. // *Phytochemistry*. 2019. Vol. 162. P. 47–55.
2. Bligh E.G., Dyer W.J. // *Can. J. Biochem. Physiol.* 1959. Vol. 37. P. 911–917.

Save these dates:

May 15, 2025 – Deadline for abstract submission

September 15, 2025 – Deadline for registration

All-Russian Conference with international contributions, “Lipid Biochemistry”

(Vladivostok, Russia)

Remark: October 2025 marks the 90th anniversary of the birth of Viktor Evgenievich Vaskovsky (1935–2016), an outstanding biochemist, Doctor of Biological Sciences, a Corresponding Member of the Russian Academy of Sciences, and an Honored Scientist of the Russian Federation. As the founder of lipid biochemistry research in the Far East, he established a scientific school at the Institute of Marine Biology, Far Eastern Scientific Center, USSR Academy of Sciences (currently the A.V. Zhirmunsky National Scientific Center of Marine Biology, Far Eastern Branch, Russian Academy of Sciences, NSCMB FEB RAS). His students have worked and continue to work not only in institutes and universities in Vladivostok and the Far Eastern region but also abroad. V.E. Vaskovsky's research in lipids was not limited to marine topics; it also covered higher plants, fungi, and various medical aspects of lipidology. He authored over 100 highly cited scientific papers and dozens of patents for inventions. Thanks to the research conducted by the Laboratory of Comparative Biochemistry, founded by V.E. Vaskovsky in 1972, the NSCMB FEB RAS is now one of the world's leading centers for the study of lipids in marine organisms.