

## Information message

### **V.I. Il'ichev Pacific Oceanological Institute Far Eastern Branch Russian Academy of Sciences**

Invites you to participate in  
**XI Conference of Young Scientists with International Participation  
«OCEANOLOGICAL RESEARCH»  
Dedicated to the Decade of Ocean Sciences**



**26-30 May 2025, Vladivostok Russia**

#### **Place and Dates of the Conference**

The conference will be held in an **online and in-person** format from May 26 to May 30, 2025, at the POI FEB RAS, Vladivostok, Baltiyskaya St. 43. The working languages are **Russian and English**. Students, postgraduates, and young scientists from Russian and foreign educational and scientific institutions who are **up to 39 years of age** inclusive are invited to participate in the event, regardless of their position or academic degree..

#### **The conference will focus on the following areas:**

1. Oceanology, hydrology, and meteorology.
2. Geology, geophysics, ocean geochemistry, and mineral resources.
3. Ecology and oceanic bio-resources.
4. Information technology and technical tools in ocean research.
5. Ocean remote sensing techniques.
6. Numerical modeling methods and machine learning in oceanology.

The duration of the report is 10 minutes, followed by a discussion of 5 to 10 minutes. No more than one personal report is allowed. Participants can co-author multiple reports (including with senior colleagues).

**There is no fee for participation in the conference. Travel, hotel accommodation, and meals are the responsibility of the conference participants.**

To participate in the conference, it is necessary to fill out and send the registration form (Annex 1) by **April 10, 2025**, to the e-mail: [or2025@poi.dvo.ru](mailto:or2025@poi.dvo.ru). The file name should contain the number of the proposed session and the surname of the speaker. For example, **1\_Ivanov.doc, 2\_Petrova.doc**. In the subject of the message, please indicate «**Participation in the Conference**».

**The Organizing Committee reserves the right to reject papers that do not correspond to the conference theme and abstracts that do not comply with the requirements or are submitted after the specified deadline.**

### **Official Invitation**

Please inform the Organizing Committee if you require an official invitation to participate in the conference.

### **Important Dates:**

- April 10, 2025. - end of registration for participation;
- May 12, 2025. - closing date for receipt of abstracts;
- May 20, 2025. - mailing of the conference program;
- May 26-30, 2025 - holding of the conference.

The collection of abstracts conference will be published in electronic version with ISBN assignment.

Abstracts (Appendix 2, sample) are accepted electronically to e-mail: [or2025@poi.dvo.ru](mailto:or2025@poi.dvo.ru) until **May 12, 2025** inclusive.

Abstracts in format of \*.doc MS Word editor should contain the following sections:

**Headline,**  
**Authorship,**  
**Organization name,**  
**E-mail,**  
**Text,**  
**Funding (optional)**

The total length **should not exceed two pages**, typed in Times New Roman font of twelfth size, single spacing. margins should be The left and right at 3 cm , top and bottom at 2 cm , without hyphenation of words, with alignment to the width. Symbols should be typed in Symbol 12.

Figures, tables and references to literature are **not allowed** in the text.

Title of the report - in capital letters, in bold, center alignment, without hyphenation. Surnames and initials of the authors in bold (the speaker's surname is underlined). Name of the organization, city, e-mail - in italics, center alignment. If the authors are from different organizations, it should be marked with superscript numbers after the initials (<sup>1,2,3</sup>) and before the name of the place of work (Appendix 2).

The file name should contain the number of the intended section and the name of the speaker. For example, **1\_Ivanov.doc**, **2\_Petrova.doc**. In the subject of the message it is necessary to indicate «**Participation in the conference**».

**Organizing Committee address:** Russia, 690041, 43 Baltiyskaya St., Vladivostok.

E-mail: [or2025@poi.dvo.ru](mailto:or2025@poi.dvo.ru)

**REGISTRATION FORM**

LAST NAME, FIRST NAME, MIDDLE NAME	
DATE OF BIRTH	
ORGANIZATION	
ACADEMIC DEGREE, ACADEMIC TITLE	
ADDRESS	
TELEPHONE NUMBER	
E-MAIL	
REPORT TITLE	
COAVTORS	
FORM OF PRESENTATION (ORAL/BENCH PRESENTATION)	
FORM OF PARTICIPATION (FACE-TO-FACE/DISTANCE)	
THE NUMBER OF THE AREA* TO WHICH YOU ARE REFERRING YOUR REPORT	

\* The conference will focus on the following areas:

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2. Geology, geophysics, ocean geochemistry, and mineral resources.
3. Ecology and oceanic bio-resources.
4. Information technology and technical tools in ocean research.
5. Ocean remote sensing techniques.
6. Numerical modeling methods and machine learning in oceanology.

**INFLUENCE OF MARINE HYDRODYNAMIC ON THE OPTICAL  
CHARACTERISTICS OF THE SEA SURFACE**

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Hydrodynamic processes can also lead to the transport of phytoplankton cells closer to the surface where there is more available light for photosynthesis, as well as the upwelling of nutrients from deeper layers to the surface leading to the development of phytoplankton cells. The above factors affect the spectral composition of sea color and can be investigated by remote sensing.

Modern technologies, such as remote sensing allow for efficient ,changes in the optical characteristics of seawater, providing valuable information on the state of marine ecosystems. Determining changes in the characteristics of remotely measured spectral sea color expands the possibilities of studying hydrodynamic phenomena and related biological processes, which is important and relevant in various fields of oceanology.