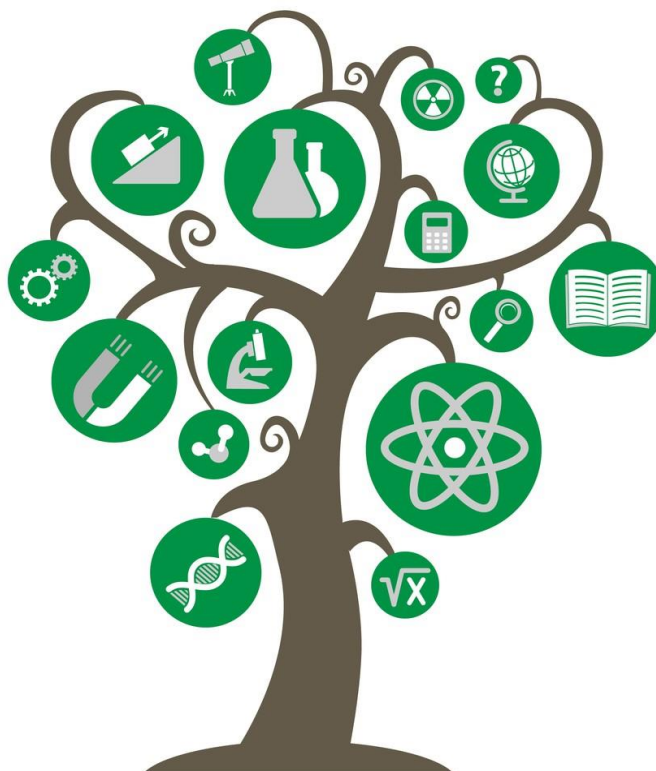


**IRKUTSK SCIENTIFIC CENTER
THE SIBERIAN BRANCH
OF THE RUSSIAN ACADEMY OF SCIENCES
DIVISION OF SCIENCE, EDUCATION AND EXPERT ASSESSMENT**



**MULTIDISCIPLINARY ACADEMIC RESEARCH CONFERENCE
«Science Present and Future: Research Landscape in the 21st century»**

Program

May 18, 2023

Registration - 9.00 - 9.30

Opening of the Conference - 9.30

Welcome speech

Aleksey A. Levchuk, Director of ISC SB RAS, Cand. Sc. (Technical Sciences)



Session 1. Life-sciences on the Cutting Edge of Science

Thursday, 18 May 2023

Venue: Room 224 (personal attendance)

OR <https://us04web.zoom.us/j/76251536240?pwd=aGwaS2KnJtGNdhYS9cGOv9boM3G6L.1>

ID: 762 5153 6240

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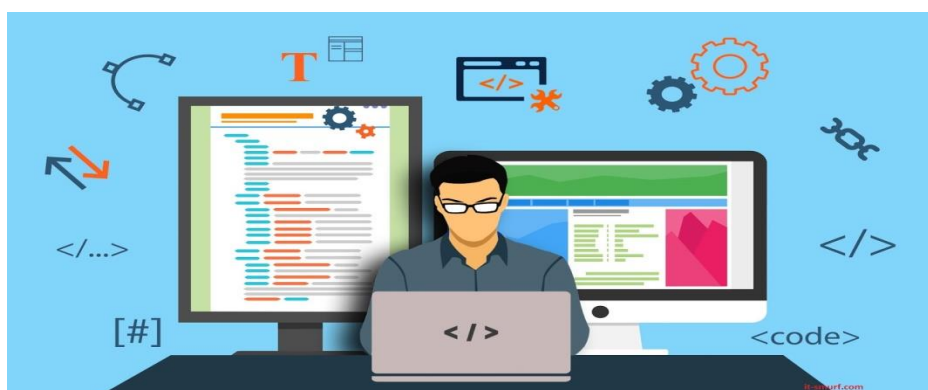
Time: 10.00 – 13.00

Moderator:

Nadezhda N. Efimova, Ph.D. (Philology), Associate Professor ISC SB RAS

1	Bizikov P.A. SIPPB SB RAS	Naphtalene as essential metabolite for synthesis of n-phenyl-2-naphthylamine and phthalates in pisum sativum l.
2	Vasilyev Eu.S. SIPPB SB RAS	Microbiome of endemic plants of priolkhonye hedysarum zundukii and oxytropis triphylla (fabaceae)
3	Kuzmina P.A. SIPPB SB RAS	Karyogeographic distribution cytotypes of Chelidonium majus agg. (Papaveraceae)
4	Dayneko D. V. ISC SB RAS	The Ecological Significance of the Forests: Irkutsk Province case study
5	Yudinceva A. V. LIN SB RAS	Remolding of tRNA genes as one of the mechanisms for amino acid changes in mitochondrial proteins
6	Belousov D. S. IrIch SB RAS	Technology of submerged cultivation of higher basidiomycetes mushrooms
7	Gnatovskii G. R. IrIch SB RAS	Comparative quantum-chemical study of 1-formyl-2-pyrazoline assembly pathways from unsaturated ketones, hydrazine and formic acid
8	Pakeeva A. A. IrIch SB RAS	Reactions of tellurium tetrahalides with unsaturated compounds - a fast path to new organotellurium products

9	Pristavka E. O. IrIch SB RAS	Screening of soil microorganisms-destroyers of imazamox
10	Teplyashin N. V. IrIch SB RAS	Quantum-chemical investigation of the mechanism of assembly of 2,6-dimethyl-1,4-dithiine from 2-chloroprop-2-enthionol in KOH/N ₂ H ₄ ·H ₂ O medium
11	Chistova N.P. FSBSI ESIMER	Lipid metabolism markers in patients with vibration disease and metabolic syndrome
12	Kharin N. A. SIPPB SB RAS	Karyotype as a taxonomic trait of species of the tribe <i>Fabeae</i> Rchb. (Fabaceae)



Session 2. IT, Engineering, Digital Science

Thursday, 18 May 2023

Venue: Room 115 (personal attendance)

Time: 10.00 – 13.00

Moderator:

Elena P. Mariasova, junior research assistant, senior lecturer, ISC SB RAS

1	Tsibikov A.R. ESI SB RAS	Predicting data with recurrent neural networks
2	Sosnovsky I. K. ESI SB RAS	Study of modes of operation of a hybrid microgrid with a renewable energy source
3	Badenko V. V. ESI SB RAS	Kinetic analysis of biomass combustion products formation in TG-MS
4	Chekan M. A. ISDCT SB RAS	Development of the architecture of the agent-based modeling system of microgrid interaction
5	Pestova Y. V. ISDCT SB RAS	Assessment of forecasting the risk of fires in forest areas based on the analysis of precedents



Session 3. Geosciences, Solar Sciences and Hydrosociences: New Frontiers

Thursday, 18 May 2023

Venue: Room 224 (personal attendance)

OR <https://us05web.zoom.us/j/82211371818?pwd=S2EzNDYxaEliaDNjQitzbUpZdE5sUT09>

ID: 822 1137 1818

Password: KyXtG1

Time: 14.00 – 17.00

Moderator:

Elena P. Mariasova, junior research assistant, senior lecturer, ISC SB RAS

1	Dushkin E. P. IEC SB RAS	Laboratory studies of the properties of technogenic soils of the Aikhal mine
2	Smirnov M. V. IEC SB RAS	Fluvial deposits in the Selenga river basin
3	Shchipanova E. A. IEC SB RAS	Cryogenic processes in the upper Angara region in the late pleistocene (the case of the late paleolithic site malta-bridge 3)
4	Yuir'yev A. A. IEC SB RAS	Granulometric and mineral composition of debris flow deposits of Tunka Ridge
5	Ivonin V. A. ISTP SB RAS	Studying radar signal power from Starlink satellites, according to data from Irkutsk incoherent scatter radar
6	Smotrova E. E. ISTP SB RAS	Effect of Pedersen conductivity on the structure of ULF waves observed in magnetosphere
7	Gromik N. A. ISTP SB RAS	Development of an information system for the analysis of geophysical data obtained by radio-physical instruments of the ISTP SB RAS
8	Karakotov R. R. ISTP SB RAS	Sun image synthesis using data of Siberian radio heliograph 3-6 GHz array
9	Nagovitsyna E. N. IG SB RAS	Agricultural development in Usolskiy district
10	Kirichkov P. N. ISTP SB RAS	Space weather prediction under various low boundary conditions
11	Marshalkina T. N. ISTP SB RAS	Short-term Dst index forecasting with neural networks: a review
12	Kruchinin I. S. IG SB RAS	Assessing the energy potential of Eastern Siberia's gas and oil complex: an empirical investigation and prospects for future research
13	Mongush S. P. IG SB RAS	Interregional relations (by the example of the republic of the Angara-Yenisei macroregion (hereinafter - AEM))



Session 4. Linguistics and Educational Sciences

Thursday, 18 May 2023

Venue: Room 115 (personal attendance)

OR <https://us04web.zoom.us/j/74872110490?pwd=6HSA5wld0JZgn45tDKw0Yj9kj9345A.1>

ID: 748 7211 0490

Password: 3J6b6f

Time: 14.00 – 17.00

Moderator:

Nadezhda N. Efimova, Ph.D. (Philology), Associate Professor ISC SB RAS

1	Potapova D. A. ISC SB RAS	Emotionally colored argumentation
2	Mil`gunov D. S. ISC SB RAS	Linguopsychological features of communicative failure
3	Nikulin E. E. ISU	High school students' project work on Chinese food phraseological units "chenyuy"
4	Denisov E. A. ISC SB RAS	Fostering Intercultural Competence of Foreign Students: To the Problem Statement
5	Istomin V.S. ISC SB RAS	On the problem of definitions of compensatory and strategic competences
6	Liu Chunwei ISC SB RAS, China, Changchun	About translation competence: analysis of advertising in Chinese online magazines
7	Mariasova E. P. ISC SB RAS	On semantic relations between terms (the English terminology of Earth Sciences)
8	Paderina T. S. ISC SB RAS	Thematic text modeling by terminology extraction (based on scientific texts)

17.00 - Closing of the Conference

Nataliya A. Sverldlova, Head of the Division of Science, Education and Expert Assessment, Ph.D. (Philology), Associate Professor ISC SB RAS

