



International scientific conference dedicated to the
95th anniversary of the Botanical Garden of Southern
Federal University

BIOLOGICAL DIVERSITY AND BIORESOURCES OF
THE STEPPE ZONE IN A CHANGING CLIMATE

Rostov-on-Don, May 24-29, 2022

First information letter

Dear Colleagues!

Botanical Garden of the Southern Federal University invites you to take part in the international scientific conference "Biological Diversity and Biological Resources of the Steppe Zone in a Changing Climate".

The conference will be held on May 24-29, 2022 in the Botanical Garden of the Southern Federal University at the address: Rostov-on-Don, Botanichesky spusk st, 7.

The conference program includes the excursions to the Botanical Garden of the Southern Federal University, Rostov-on-Don, and to the State Natural Biosphere Reserve "Rostovsky" (310 km from Rostov-on-Don).

The "Rostovsky" Reserve is the only steppe reserve in the European part of the Russian Federation. The reserve was created on December 27, 1995 in the southeastern part of the Rostov region (in the Oryol and Remontnensky administrative districts) and consists of 4 cluster areas (Ostrovnoy, Starikovsky, Krasnopartizansky, Tsagan-Khak).

The total area of the reserve is 9464.8 hectares. In 2000, a protected zone of the reserve with an area of 74,350 hectares was established. The islands and shores of Lake Manych-Gudilo are included in the list of wetlands of international importance under the Ramsar Convention. The biological diversity of the reserve is represented by more than 500 species of plants, 3 species of amphibians, 10 species of reptiles, more than 260 species of birds and 34 species of mammals. There is a population of feral horses of the Don breed on Vodny Island, which is one of the most important natural values of the reserve.

The conference is planned in the following areas:

1. Biological diversity of terrestrial and aquatic ecosystems of the steppe zone: problems of study and conservation.

2. The role of botanical gardens and other specially protected natural areas in the conservation of biological diversity.
3. Soil resources of the steppe zone in a changing climate and increasing anthropogenic loads.
4. Technologies for remote sensing of the Earth for global monitoring of biodiversity and biological resources of the steppe zone.
5. Biotechnology, genetics and plant breeding.
6. Assessment of the ecological state of the environment under anthropogenic impacts.
7. Environmental education and awareness, prospects for the development of environmental tourism.

The conference is planned to conduct training master classes:

- Adaptation of plants to the postaseptic conditions
- Processing of the hyperspectral data survey of plants.

The participants of the International Scientific Conference "Biological Diversity and Biological Resources of the Steppe Zone in a Changing Climate" should fill out the registration form on the conference website <http://conference2022.bg.sfedu.ru/> before January 30, 2022, for the pre-registration. Publication of materials in the collection is **free**.

Electronic compendium of scientific materials will be issued before the conference. The materials will be accepted before until February 28, 2022 inclusive.

The conference compendium will be included in the Scientific Electronic Library (<http://elibrary.ru/>) and RSCI base.

Text format requirements: up to 10 pages, Microsoft Word text editor; A4 sheet format, margins - left, right, top, bottom - 2 cm, font - Times New Roman; size - 14 pt, without hyphenation; line spacing - 1.0; paragraph indent - 1.25 cm.

The title is aligned to the center and typed with the capital letters. The authors' surnames and initials are placed below through 1 interval with lower case letters; below - the author's email (all in Russian and English); next, through 1 interval, abstract and keywords (all in Russian and English), then the main text through 2 intervals, width alignment.

Citations are referred in the text in parentheses (surname, year). References in the end of the text are listed alphabetically, formatting in the accordance with the examples below).

Tables, drawings, graphics and charts are placed and numbered inside the text, with a mandatory reference. Graphic materials should be duplicated using a separate graphic file called by the author's name and the picture number.

Example of article formatting (Russian, English):

УДК

**СОВРЕМЕННЫЕ ТЕХНОЛОГИИ В ИЗУЧЕНИИ БИОРАЗНООБРАЗИЯ
И ИНТРОДУКЦИИ РАСТЕНИЙ**

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**MODERN TECHNOLOGIES IN THE STUDY OF BIODIVERSITY AND
PLANT INTRODUCTION**

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Аннотация. Аннотация. Аннотация. Аннотация. Аннотация. Аннотация.
Аннотация.

Ключевые слова:

Abstract. Abstract. Abstract. Abstract. Abstract. Abstract. Abstract. Abstract.
Abstract. (100–250 words)

Keywords: (5–10 words)

Main text. *Main text. Main text. Main text. Main text. Main text.....*

Table 1. *Table title.*

References:

1. Chokheli V.A., Dmitriev P.A., Rajput V.D., Bakulin S.D., Azarov A.S., Varduni T.V., Stepanenko V.V., Tarigholizadeh S., Singh R.K., Verma K.K., Minkina T.M. Recent Development in Micropropagation Techniques for Rare Plant Species // Plants. 2020. Т. 9. V. 12. P. 1733

2. Chokheli V.A., Kozlovsky B.L., Dmitriev P.A., Kupriushkin D.P., Kuropyatnikov M.V., Rajput V.D., Varduny T.V., Ignatova M.A., Tarik E.P., Kornienko I.V., Lysenko V.S. Complex studies on the *Quercus* L. (Fagaceae) genus species during their introduction in the Botanical garden of the Southern federal university, Rostov-on-Don, Russia // *Quercus: Classification, Ecology and Uses*. Nova Science Publishers. 2020. p. 179–209

Materials are published in the authors' edition. The authors are solely responsible for the materials provided.

The conference is conducted in person and distantly.
Official languages of the conference: Russian, English.

Contacts: 344041, Russia, Rostov-on-Don, Botanichesky spusk st, 7, SFedU Botanical garden, Organizing committee of the conference.

Conference secretary: Dmitrieva Anastasia Anatolyevna
Phone : +7 961 408 04 85, e-mail: conference-sfedu@yandex.ru

We will be very grateful for the dissemination of the information among the interested parties.