## First Information Letter

Federal Research Center “The N.I. Vavilov All-Russian Institute of Plant Genetic Resources” (VIR)

# International Conference

**«STATUS AND PERSPECTIVES OF BREEDING RESEARCH ON BRASSICACEAE CROPS IN MODERN CONDITIONS»**

# 9-12 September 2019

# St. Petersburg, Russia

We invite you to take part in the conference dedicated to the 125th Anniversary

of the N.I. Vavilov All-Russian Institute of Plant Genetic Resources (VIR)

Dear Colleagues,

Representatives of the Russian and international scientific and business communities dealing with fundamental and applied problems of Brassicaceae breeding and seed production note the development of research towards improving theoretical foundations and developing new effective breeding methods.

Recently, much attention is paid by geneticists and breeders to the development of fundamentally new high-tech technologies for creating sources and donors of economically valuable traits, as well as for obtaining, preserving and studying genetic collections in order to involve the identified genetic diversity in practical work.

**OBJECTIVES OF THE CONFERENCE:** establishing and strengthening scientific ties between specialists involved in breeding research on Brassicaceae crops, discussing new methods and approaches, sharing relevant information on achievements in this field of research.

**MAIN DIRECTIONS OF THE WORK OF THE CONFERENCE:**

* Main objectives, achievements and prospects of cole crops breeding;
* Achievements and prospects of root brassica crops breeding;
* Achievements and prospects of oilseed brassicas breeding;
* Genetic control of economically valuable traits in Brassicaceae crops;
* Biotechnological methods in Brassicaceae crops breeding;
* Brassicaceae crops biochemical and physiological studies as a basis of functional nutrition;
* Brassicaceae crops protection from diseases and pests;
* Development of technology for Brassicaceae crops seed production.

**PROGRAM COMMITTEE**

**Co-Chairs:**

* **Elena K. Khlestkina, Dr. Biol. Sci.** –Acting Director, VIR, Russia, St. Petersburg
* **Alexey V. Soldatenko, Dr. Agri. Sci.** – Director, Federal Research Center of Vegetable Growing, Russia, Moscow
* **Anna M. Artemyeva, Ph.D.** – Head, Vegetable and Melon Crops Genetic Resources Department, VIR, Russia, St. Petersburg

**Committee Members:**

**- Angela M. Asaturova, Ph.D.** – Director, Institute of Biological Plant Protection, Russia, Krasnodar

**- Filipp B. Gannibal, Ph.D. –** Director, All-Russian Institute of Plant Protection, Russia, St. Petersburg

* **Nikolai N. Klimenko, Ph.D.** – Director, ‘Poisk’ Agricultural Company, Russia, Moscow
* **Galina A. Kostenko, Ph.D.** – Leading Researcher, Brassica Breeding Laвoratory at the All-Russian Research Institute of Vegetable Growing, branch of Federal Research Center of Vegetable Growing, Russia, Moscow
* **Grigory F. Monakhos, Ph.D.** - Director General, ‘N.N. Timofeev Breeding Station’ LLC., Russia, Moscow
* **Sokrat G. Monakhos, Dr. Agri. Sci.** – Head, Department of Botany, Breeding and Seed Production of Horticultural Crops, Russian State Agrarian University - Moscow Timiryazev Agricultural Academy, Russia, Moscow
* **Lyudmila L. Bondareva, Dr. Agri. Sci.**  – Head, Brassica Crops Laboratory, Federal Research Center of Vegetable Growing, Russia, Moscow
* **Svetlana V. Koroleva, Ph.D.** – Head, Vegetable Crops Laboratory, All-Russian Rice Research Institute, Russia, Krasnodar
* **Gayane G. Panova, Ph.D.** – Head, Department of Plant Light Physiology and Agroecosystems Bioproductivity, Agrophysical Institute, Russia, St. Petersburg

- **Angela S. Rudakova, Ph.D.** – Leading Researcher, Plant Biochemistry Laboratory, Moldavian State University, Moldova, Chisinau

- **Zharas Zh. Mamyrbekov,** **M.Sc.** – Leading Researcher, Head, Vegetable Crops Breeding Department, Kazakhstan, Almaty

- **Alvina Avagyan, Ph.D.** – FAO Expert on Biodiversity and Rural Development, Armenia, Yerevan

- **Mariann** **Boerner, M.Sc.** – Genebank Manager, Enza Zaden, The Netherlands, Enkhuizen

- **Kees Reinink,** **Ph.D.** - Managing Director, Rijk Zwaan, The Netherlands, De Lier

* **Alexey A. Zavarzin, Ph.D.** – Vice Director for Scientific and Organizational Work, VIR, Russia, St. Petersburg
* **Alexandra G. Dubovskaya, Ph.D.** – Senior Researcher, Department of Oil and Fiber Crops Genetic Resources, VIR, Russia, St. Petersburg

**ORGANIZING COMMITTEE:**

Chairman **- Anna M. Artemyeva, Ph.D.** – Head, Vegetable and Melon Crops Genetic Resources Department, VIR, Russia, St. Petersburg

Committee Members:

**Alexandr A. Lenshin,** **M.Sc.** – Leading Expert, Projects Supervision Department, VIR, Russia, St. Petersburg

**Anastasiya B. Kurina, Ms. Sci.** – Junior Researcher, Vegetable and Melon Crops Genetic Resources Department, VIR, Russia, St. Petersburg

**Dmitry L. Kornyukhin, Ms. Sci.** – Researcher, Vegetable and Melon Crops Genetic Resources Department, VIR, Russia, St. Petersburg

**Natalia P. Loskutova, Ph.D.** – Leading Expert, Projects Supervision Department, VIR, Russia, St. Petersburg

**Snezhana R. Miftakhova, Ms. Sci.** – Leading Expert, Projects Supervision Department, VIR, Russia, St. Petersburg

**Yulia V. Ukhatova, Ph.D.** – Acting Academic Secretary,VIR, Russia, St. Petersburg

**BRIEF CONFERENCE PROGRAM**

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| --- | --- |
| **9 September** | Conference participants arrival and registration |
| **10 September**  Start at 10:00 | Presentations by Conference participants  Address: 44, Bolshaya Morskaya St., St. Petersburg  Pompeian Hall |
| **11 September**  Start at 10:00 | Tour of the Pushkin Branch of VIR, fields (demonstration plots) and labs.  Address: 11, Moskovskoye Hgwy, Pushkin town |
| **12 September** | Tour of VIR (N.I. Vavilov Memorial Museum, Genebank facilities, Herbarium, Agricultural Library, Vegetable and Melon Crops Genetic Resources Department)  Sightseeing Tour of St. Petersburg  Departure of Conference participants |

**KEY DATES**

First Information Letter 6 December 2018

Beginning of participants registration 6 December 2018

End of preliminary registration 1 February 2019

Second Information Letter 10 February 2019

End of participants registration

and manuscripts submission 1 April 2019

Draft Program 1 June 2019

Final Program 1 July 2019

**ORDER OF PARTICIPATION IN THE WORK OF THE CONFERENCE**

Conference working languages: Russian, English.

**Conditions of participation:**

Conference participants are exempted from the organizational fee payment.

All those wishing to participate in the Conference are requested to send a filled Application Form and manuscript(s). No remote participation.

**Poster presentation:** 1 x 1 m max.

**Plenary presentations:** 15-min long max., **flash presentations:** 10 min max.

Conference manuscripts wil be published in special issues of ***Ovoshchi Rossii*** (Vegetable Crops of Russia) Journal and in ***Proceedings on Applied Botany, Genetics and Breeding*** according to requirements of these journals ([www.vegetables.su,](http://www.vegetables.su/) [https://elpub.vir.nw.ru/jour)](https://elpub.vir.nw.ru/jour).

**Field trials**

Field trials will be held on the grounds of Pushkin Laboratories of VIR.

The newest Brassicaceae crop entries to the VIR Global collections which reflect modern breeding trends will be demonstrated. Requests for the demonstration of specific collection accessions and forms of Brassicaceae crops are invited.

Russian and foreign breeders are invited to display their breeding achievement. A list of accessions to be displayed, cultivation recommendations, vegetation period duration and seeds should be provided no later than **1 March 2019.** The cost of 1 sample demonstration is 1000 Rbls.

Required seed quantity:

* Cole crops – 2 g
* Root brassicas – 4 g
* Oilseed brassicas – 2 g

**INQUIRIES:**

Tel.: +7 (812) 571-8539

E-mail: virbrassica2019@mail.ru

**WE ARE LOOKING FORWARD TO WELCOMING YOU AT THE CONFERENCE**!

**Application form:**

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| --- | --- |
| Full name, in English |  |
| Affiliation, in English |  |
| Position |  |
| Scientific degree, title |  |
| Contact phone |  |
| E-mail |  |
| Presentation title |  |
| Oral presentation / poster |  |