

VOROBYEVA Anna

CIRRICULUM VITAE

Name **VOROBYEVA Anna**
Business Address Amur Branch of Botanical Garden-Institute of the
Far Eastern Branch of the Russian Academy of Sciences
Ignatievskaya line, 2d km, 675000, Blagoveshchensk, Russia
Phone: (4162)209-600
E-mail: sparrowaj@mail.ru
Home Address: 45, 21 Voronkova st., 675027, Blagoveshchensk, Russia
Phone: (914)3803223
Date of Birth June 10, 1980
Citizenship Russian Federation

Education

1996-2001: student. **Diploma of Higher Education**, Teacher of Biology and Chemistry, *Department of Nature and Geographic of Blagoveshchensk State Pedagogical University, Blagoveshchensk, Russia*. Five-year University's program, which ended by examinations and public defense of the graduating thesis.

Degree Ph.D. of biology (specialty - botany and plant's resource) October 2004 at Pacific Institute of Bioorganic Chemistry FEB RAS (Vladivostok, Russia). Ph.D. thesis title: Taxonomy and phytoecdysteroids of Far Eastern species of genus *Rhaponticum*, *Serratula* and *Saussurea*

Research Experience

2012-present: Deputy Director of Science of Amur Branch of Botanical Garden-Institute of the Far Eastern Branch of the Russian Academy of Sciences, Blagoveshchensk, Russia. My work responsibilities include: organization of scientific research for studying of plants biological diversity in the Far East of Russia, conservation of natural plants genetic resources ex situ and in vitro (cultivation, introduction, herbarium, bank of seeds, protection of rare and endangered species of plants, control of invasive plant species), international cooperation and development of complex multidisciplinary projects, interpretation and promoting of scientific results and work with volunteers, development of programs for environmental education and public awareness, administration of excursion activity in the garden.

2007- 2012: Chief of Laboratory of introduction of Amur Branch of Botanical Garden-Institute of the Far Eastern Branch of the Russian Academy of Sciences, Blagoveshchensk, Russia. Research of conservation and reproduction of plant resources in situ and ex situ (cultivation, herbarium, bank of seeds, protection of rare and endangered species of plants, control of invasive plant species).

2004-2007: Senior researcher Scientist, *Laboratory of introduction* Amur Branch of Botanical Garden-Institute of Far East Branch of Russian Academy of Sciences, Blagoveshchensk, Russia
Study of the adaptive properties of medicinal plants from Aster family ex situ. Study of *Saussurea* taxonomy.

2001-2004: Ph. D student, *Laboratory of chemotaxonomy of plants* Pacific Institute of Bioorganic Chemistry FEB RAS, Vladivostok, Russia
Research of structure of phytoecdysteroids and the dynamics of their accumulation in the organs of plants of the Aster family. Study of phytoecdysteroids role in taxonomy plant of genus *Rhaponticum*, *Serratula* and *Saussurea*.

Research techniques

HPLC, determination of phytoecdysteroids;
Some skills in biotechnology of medicinal plants;
Experience in work with plant (cultivation, herbariae, identification of plant samples, database maintenance, anatomy of seeds and leaves); the establishment of collection funds;
Pedagogical techniques and methods in environmental education.

Journal publications

1. Vorobyeva A.N., Rybin V.G., Zarembo E.V., Boltenkov E.V., Verbitskii G.A. Phytoecdysteroids from *Serratula komarovii* Iljin // *Chemistry of Natural Compounds*. 2004. Vol. 40, Is. 5. P. 492-495.
2. Vorobyeva A.N., Rybin V.G., Zarembo E.V., Boltenkov E.V. Phytoecdysteroids from *Serratula centauroides* L. // *Chemistry of Natural Compounds*. 2005. Vol. 41, Is. 1. P. 105-106.
3. Vorobyeva A.N., Rybin V.G., Zarembo E.V., Boltenkov E.V. Phytoecdysteroids from *Stemmacantha uniflora* // *Chemistry of Natural Compounds*. 2006. Vol. 42, Is.6. P. 742-744.
4. Gorovoy P.G., Vorobyeva A.N. Taxonomy and distribution of *Stemmacantha uniflora* (L.) Dittrich in East Asia // *Turczaninowia*. 2005. T.8. №3. С. 21-26. (in Russian)
5. Novozhilova E.V., Boltenkov E.V., Vorobyeva A.N., Kovekovdova L.T. Changes of microelemental contents in different parts of *Serratula manshurica* Kitag. (Asteraceae) during vegetation period // *Растительные ресурсы*. 2009. Т. 45. Вып. 2. С. 91-97. (in Russian)
6. Gorovoy P.G., Vorobyeva A.N. The genus *Rhaponticum* Vaill. in East Asia // *Collectanea Botanica* (Barcelona). 2010. Vol. 29. P. 25-30.
7. Vorobyeva A.N. Morphological features of seeds of the Far Eastern species of the genus *Saussurea* DC. (Asteraceae) // *Bulletin of Botanical Garden-Institute of FEB RA*. 2010. Vol. 5. С. 25-27. <http://botsad.ru/media/oldfiles/journal/number5/03.pdf> (in Russian)
8. Vorobyeva A.N. Key to plants of the genus *Saussurea* DC. Amur region // *Scientific notes of the Trans-Baikal State Humanitarian and Pedagogical University named after N.G. Chernyshevsky*. 2011. Vol. 1. P.158-161. (in Russian)
9. Khreshchenok I.A., Bolotova Y.V., Vorobyeva A.N. Amur branch of Botanical Garden-Institute of Far Eastern Branch of Russian Academy of Sciences as a center of introduction and environmental education in the Amur Region // *Bulletin of the Irkutsk State Agricultural Academy*. 2011. Vol. 44-1. P. 85-89. (in Russian)
10. Bolotova Ya.V., Darman G.F., Vorobyeva A.N., Khreshchenok I.A. Plants of the Red Book of Russia in the collections of the Amur branch of the Botanical Garden-Institute of the Far Eastern Branch of the Russian Academy of Sciences // *Tsvetovodstvo*. 2012. Vol. 5. P. 17-21 (in Russian)
11. Vorobyeva A.N., Basargin D.D. The structural features of the epidermis of the leaf *Saussurea pulchella* (Fisch.) Fisch. and *S. neopulchella* Lipsch. // *Bulletin of Tomsk State University. Biology Series*. 2013. Vol. 3 (23). P. 38-45 (in Russian)
12. Vorobyeva A.N., Zhilin O.V. Findings of rare plant species of the Asteraceae family in the Amur Region and the Republic of Sakha (Yakutia) // *Science and Education*. 2013. Vol. 4. P. 75-77 (in Russian)

Conference participation

1. Vorobyeva A.N. Ecdysteroids of the Far Eastern species of the genus *Saussurea* DC. (Asteraceae) // *The I (IX) international conference of young botanists in St. Petersburg*. SPb. GETU Publishing House, 2006. S. 238-239. The abstract in Russian.
2. Novozhilova E.V., Vorobyeva A.N., Rybin V.G., Boltenkov E.V. Assessment of the possibilities of using the Far Eastern species of the genera *Stemmacantha* and *Serratula* as sources of phytoecdysteroids // *Preservation of plant biodiversity in nature and culture: an international scientific conference dedicated to the 165th anniversary of the Sukhumi Botanical Garden and the 110th anniversary of the Sukhumi Arboretum of the Institute of Botany ANA* (October 15-20, 2006., Sukhum). Sukhum, 2006. P. 420-423. The abstract in Russian.
3. Vorobyeva A.N., Gorovoy P.G. The genus *Rhaponticum* Vaill. (Cardueae-Centaureinae) in East Asia // *The international Compositae Alliance* (3-9 July 2006, Barselona). Book of abstract. P. 32.
4. Vorobyeva A.N., Gorovoy P. G. Asteraceae in botanical gardens of Asian Russia // *The 3rd Global Botanic Gardens Congress* (16-20 April 2007, Wuhan, China). <http://www.bgci.org/wuhan/1950/#con>
5. Vorobyeva A.N., Basargin D.D. Features of the morphological and anatomical structure of the leaf and seed in *Saussurea pulchella* (Fisch.) Fisch. (Asteraceae) // *Problems of Botany of Southern Siberia and Mongolia: The VII International Scientific and Practical Conference* (Barnaul, October 21-24, 2008). Barnaul: Publishing House of Altai State University, 2008. P. 39-41. The abstract in Russian.
6. Vorobyeva A., Stupnikova T. Phytoecdysteroids of genera *Serratula* and *Rhaponticum* of the East Asia // *Pharmacognosy Magazine*. Apr-Jun 2010. Vol. 6. Is. 22 (Suppl.). Abstracts Book of 6th

- Conference on Aromatic and Medicinal Plants of Southeast European Countries (18-22 April 2010, Antalya-Turkey). S. 144-145.
7. Vorobyeva A., Zhilin O. The introduction of trees and shrubs in Amur Branch of Botanical Garden-Institute of FEB RAS // Ecology and diversity of forest ecosystems in the Asiatic part of Russia 2010 (25-27 March 2010, Kostelec nad Cernymi lesy, Czech Republic). Book of abstracts. S. 37.
 8. Vorobyeva A. The areal of *Symphyllocarpus exilis* Maxim. (Asteraceae), an endemic species of Amur river basin // Abstract of symposium «The East Asian Flora and its role in the formation of the world's vegetation» (Vladivostok, Russia, September 23-27, 2012). Vladivostok: BGI FEB RAS, 2012. P. 97.
 9. Vorobieva A.N. Use of plant collection of the Amur Branch of Botanical Garden-Institute of FEB RAS in educational programs // Abstracts of the conference «Lost world» in biodiversity studies: focus on the Earths «blank spaces», September 23-27, 2019, Vladivostok, Russia. Vladivostok: BGI FEB RAS, 2019. P. 86

2004-2017 member of the Amur branch of The Russian Botanical society

2017- present Chief of the Amur branch of The Russian Botanical society

Associate professor in the Blagoveshchensk State Pedagogical University (2005-2012) and Far Eastern State Agricultural University (2015-present).