

CURRICULUM VITAE

Sergiy (Sergei) L. MOSYAKIN

1. Full Name (Surname/Given Name/Patronymic):

MOSYAKIN, Sergiy (Sergei) Leonidovych
Ukrainian: МОСЯКІН, Сергій Леонідович

2. **Date of Birth:** November 30, 1961

3. **Place of Birth:** Kyiv (Kiev), Ukraine

4. **Citizenship:** Ukraine

5. Present positions and membership:

- Director, M.G. Kholodny Institute of Botany, National Academy of Sciences of Ukraine
- Head of Vascular Plants Department, M.G. Kholodny Institute of Botany;
- President, Ukrainian Botanical Society (since September 2011, before that – Vice President);
- Head of Plants Subcommittee of the National Commission on the Red Data Book of Ukraine;
- Member of the Board of General Biology, National Academy of Sciences of Ukraine;
- Editor-in-Chief, *Ukrainian Botanical Journal*; member of Editorial Boards of *Biodiversity Research and Conservation* (Poland), *Botanica* (Vilnius, Lithuania), and several other botanical periodicals;
- Member of two Doctoral Degree Award Committees (M.G. Kholodny Institute of Botany and M.M. Gryshko National Botanical Garden, National Academy of Sciences of Ukraine)

6. Scientific Degrees:

- *Corresponding Member of the National Academy of Sciences of Ukraine* (elected 2012) *Institution of degree:* National Academy of Sciences of Ukraine (NASU), Kyiv.
- *Dr. Biol. Sci.*, 2003. *Institution of degree:* M.G. Kholodny Institute of Botany, National Academy of Sciences of Ukraine, Kyiv.
- *Cand. Biol. Sci.* (= PhD), 1990. *Institution of degree:* M.G. Kholodny Institute of Botany, National Academy of Sciences of Ukraine, Kyiv.
- *Professor* (Botany), 2006.
- *Senior Researcher* (Botany), 2000.

7. **Institution:** M.G. Kholodny Institute of Botany, National Academy of Sciences of Ukraine.

8. Institution address and contact information:

2 Tereshchenkivska Street, Kyiv (Kiev), 01601 Ukraine.

Telephone: +380 (44) 234-4041 (Director's office)

Telephone (mobile, direct): +380 (50) 445-1945

E-mail: s_mosyakin@hotmail.com (direct email) AND inst@botany.kiev.ua (office)

9. **Languages:** **Ukrainian** and **Russian** (both – native speaker); **English** (fluent and professional); reading and understanding skills in several Slavonic languages (Belarusian, Polish, Slovak, Bulgarian, etc.), basic German, French and Spanish.

10. **Main scientific interests:** taxonomy and phytogeography of taxa of several plant families (*Chenopodiaceae*, *Amaranthaceae*, *Polygonaceae*, *Scrophulariaceae* s.l., *Rosaceae*,

Asteraceae, *Poaceae*, and some others) on the worldwide basis; biodiversity conservation; regional and comparative floristics (mostly Ukraine and Eastern Europe, also North America and Asia, recently also Australia and New Zealand); biology of invasive alien species, paleobotany / paleopalynology (Pleistocene – Holocene of E Europe); evolutionary pollen morphology; history of flora; herbarium curation; environmental education; science education.

11. Scientific publications – 460+ (the complete list of publications is available upon request).

Selected recent publications are provided in a separate file.

ORCID: <https://orcid.org/0000-0002-3570-3190>

ResearchGate: <https://www.researchgate.net/profile/Sergei-Mosyakin>

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=6602922742>

Google Scholar: <https://scholar.google.com/citations?user=BuWlgccAAAJ&hl=en>

12. Professional experience:

Professional career (positions):

1983 – graduated *magna cum laude* the Kyiv State Pedagogical Institute (now M. Dragomanov National Pedagogical University), Natural History Department; specialization "Biology and English Language".

1983 – post-graduate at the Kholodny Institute of Botany, Academy of Sciences of the Ukrainian SSR (with a break for army service in Nov 1983 – May 1985), working on Cand. Sci. (=Ph.D.) thesis on the flora of the Kyiv Polissya Region (including the Chernobyl Nuclear Power Plant area).

1988 – researcher at the Vascular Plants Department of the M.G. Kholodny Institute of Botany.

since 1991 – Head of the Vascular Plants Department (Department of Systematics and Floristic of Vascular Plants).

since December 2008 – Director, M.G. Kholodny Institute of Botany, National Academy of Sciences of Ukraine.

Research visits and conferences in other countries: the USA (many times since 1993, several scientific and educational projects, including the *Flora of North America north of Mexico* and *Flora of China*), Switzerland, the Netherlands, France, Sweden, Norway, Austria, the United Kingdom, Republic of South Africa, Spain, Israel, Panama, Vietnam, Slovakia, the Czech Republic, Azerbaijan, etc.

Joint publications with colleagues from many countries (listed alphabetically): Australia, Austria, Belgium, Brazil, China, Czech Republic, Germany, Italy, New Zealand, Poland, Russia (before the Russian aggression against Ukraine), Slovakia, Turkey, United Kingdom, United States, and several other countries.

Principal Investigator for several projects on taxonomy, floristics, conservation and ecology; inventory and conservation of plant biodiversity in Ukraine; digitization of herbarium collections; environmental education; science education; urban floras of Ukraine; alien plants etc.

Other projects and activities:

Participation in the *Flora of North America*, *Flora of China*, *Flora Europae Orientalis* (*Flora of Eastern Europe*), *Flora of Ukraine* projects; *A Computerized Database of Fungi of Ukraine* (host plants and other plants associated with fungi);

preparation of the First and Second *National Reports on Biodiversity Conservation in Ukraine* (1997, 2003–2004);

PI – several projects on conservation of Ukraine’s biodiversity (supported by the Ministry of Environment and Natural Resources of Ukraine, the Embassy of the Netherlands, etc.);

PI – preparation and updating of the *Red Data Book of Ukraine* (4 projects supported by the Ministry of Environment and Natural Resources of Ukraine);

several projects on biotic invasions;

PI – three projects on digitization of unique herbarium collections at KW and other Ukrainian herbaria (sponsored by The Andrew W. Mellon Foundation) within the framework of the *Global Plants Initiative* (earlier *African Plants Initiative* and *Latin American Plants Initiative*);

PI – two trilateral projects (one completed, another ongoing) on evolution and hybridization of *Veronica* in Eurasia (supported by the Volkswagen Foundation – Volkswagen-Stiftung);

participation in several national and international projects and activities for science education of children, such as the Junior Academy of Sciences of Ukraine (jointly managed and coordinated by the National Academy of Sciences of Ukraine and the Ministry of Education and Science of Ukraine), Intel International Science and Engineering Fairs (Intel ISEF), organizing, participating and presenting at ISEF and other events (seminars, lectures, trainings, consultations, etc.) in Ukraine, the United States, the United Kingdom, Slovakia, Vietnam, etc.

Main scientific achievements: taxonomic studies and treatments of various representatives of families *Chenopodiaceae* (especially *Chenopodium* s.l., *Salsola* s.l., *Corispermum*), *Amaranthaceae* (esp. *Amaranthus*), *Polygonaceae* (esp. *Rumex*), *Poaceae*, *Scrophulariaceae*, *Plantaginaceae* (esp. *Veronica*), *Ranunculaceae* (esp. *Anemone* s.l.), *Rosaceae* (*Potentilla* s.l., *Sorbus* s.l., etc.), *Asteraceae*, etc. for the floras of Europe, North America, Asia, Australia and New Zealand, and also (selected genera) on the worldwide level; more than 200 new taxa and nomenclatural combinations; original historical biogeographic concepts and hypotheses, including the migrational concept of the origin of vascular plants of Antarctica; an original concept of plant domestication based on their life strategies; studies in evolutionary palynomorphology and paleobotany; integral reconstruction of the history of formation of the plant cover of Ukraine from the Late Pleistocene to the present (based on paleobotanical, paleogeographical, and paleoecological evidence); various publications on botanical / biological nomenclature, phylogenetic systematics, floristics, historical biogeography; records of more than 70 species new for the flora of Ukraine and other countries and territories; analysis of phenomena of ancestral diversification and parallel evolution of pollen in *Lamiales*, *Caryophyllales*, *Dipsacales*, and some other groups; publications on the problem of species and speciation (especially analysis of the species concepts applied in East European botany); pragmatic systems of angiosperms and vascular cryptogams on the evolutionary phylogenetic basis; establishing digitization activities of type specimens at the National Herbarium of Ukraine (KW) and several other major herbaria of Ukraine.

Professional awards and distinctions: awards of the National Academy of Sciences *For Professional Achievements* (2011) and *For Scientific Achievements* (2021); *Petro Mohyla* (2008) and *Sofia Rusova* (2005) awards (medals) of the Ministry of Education and Science of Ukraine for educational achievements; O.V. Fomin medal *For Scientific Achievements* (2011) presented by the M.P. Dragomanov National Pedagogical University of Ukraine; international certificates of the Intel ISEF Educator Academy (2006–2008, 2011, 2016 pp.); honorary certificate of Intel Ukraine (2011) for science education activities; other awards of the National Academy of Sciences of Ukraine and some other agencies and institutions.