

## Hanna Honchar



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### Personal information

Date of birth: September 01, 1988  
Place of birth: Melitopol, Zaporizhzhya region, Ukraine  
Nationality: Ukrainian

### Current appointment:

07.2022 – present: Department of Conservation Biology & Social-Ecological Systems, Helmholtz-Centre for Environmental Research, Leipzig- Halle, Germany;

### Education:

2021 Doctor of Philosophy/ Candidate of biological science, Institute of Ecology of the Carpathians of National Academy of Sciences of Ukraine, Lviv, Ukraine;

Thesis: Bioecological traits of wild bees (Hymenoptera: Apoidea) in conditions of anthropogenically changed areas: <https://ecoinst.org.ua/pdf/Honchar-Hanna-Dysertatsiia.pdf> (in Ukrainian). Supervisor: Dr. Sci., Prof. Vladimir Radchenko

2012-2015: PhD researcher, Department of ecological monitoring, Institute for evolutionary ecology NAS of Ukraine, Kyiv

2010–2011 Master's degree in chemistry and biology faculty, Bogdan Khmel'nitsky Melitopol State Pedagogical University, Melitopol, Ukraine;

2005–2010 Bachelor's degree in chemistry and biology faculty, Bogdan Khmel'nitsky Melitopol State Pedagogical University, Melitopol, Ukraine

### Research experience:

2022 - ongoing: Department of Conservation Biology & Social-Ecological Systems, Helmholtz-Centre for Environmental Research, Leipzig- Halle, Germany;

2018 - ongoing: Research Assistant, Department of ecological monitoring, Institute for evolutionary ecology NAS of Ukraine, Kyiv;

2012-2015: PhD researcher, Department of ecological monitoring, Institute for evolutionary ecology NAS of Ukraine, Kyiv;

### Participation in international and national scientific research projects:

2022 -2023: SPRING (Strengthening pollinator recovery through indicators and monitoring);

2022-2022: VOODOO (Viral eco-evolutionary dynamics of wild and domestic pollinators under global change; Ukraine;

2020–2021: Taxonomic, ecological-faunal and morphological studies of certain groups of insects of the Old World

(0120U101240) The State Budget Program “The Support of the Priority Research Areas Development of Ukraine, KPKVK 6541230;  
2017–2021: Structural and functional aspects of taxonomic and coenotic biodiversity under different ecological conditions (0117U004319);  
2015–2019: Creation and selection of high-yielding cell lines of the genus *Lysimachia* for the needs of pharmacology (0115U002926);  
2013–2016: Scientific bases of bioindication of the level of anthropogenic transformation of territories according to population indicators of background species (0112U002615);

### Awards, grants and scholarships:

Scholarships of the President of Ukraine for Young Scientist 2021 -2022;  
Scholarships of the National Academy of Sciences of Ukraine for Young Scientist 2018-2020;  
Grants for young scientists «Diversity and ecological significance of some groups of Hymenoptera insects and entomophages in transformed habitats» (0119U001880, 2019–2020).

### Workshops, Courses and Summer Schools

2022, 08-12th August: Advanced Taxonomy Course for Bees, University of Mons, Mons, Belgium, coordinator Prof. Denis Michez;  
2022, 12-16th September: BESTMAP Summer School “Modelling policy impacts on ecosystem and biodiversity”, Palacky University, Olomouc, Czech Republic, coordinator Prof. Tomáš Václavík;  
2023, 6-10 th February, "Metabarcoding in Microbial Ecology", Physalia Courses, Berlin, Germany.

### Selected publications:

Gnatiuk, A., Gaponenko, M., **Honchar, H.**, & Gaponenko, A. (2023). Diversity of *Epipactis palustris* (L.) Crantz (Orchidaceae) pollinators and visitors in conditions of Kyiv city (Ukraine). *Hacquetia*.

Hart, A. F., Verbeeck, J., Ariza, D., Cejas, D., Ghisbain, G., **Honchar, H.**, ... & Maebe, K. (2022). Signals of adaptation to agricultural stress in the genomes of two European bumblebees. *Frontiers in Genetics*, 13, 2868. doi.org/10.3389/fgene.2022.993416

Mulenko, M., Gorenkov, D., Burkovsky, O., Pylypiuk, K., & **Honchar, H.** (2022). New records of the invasive species *Megachile sculpturalis*, Smith, 1853 in Ukraine. *Studia Biologica*, 16(3), 61-70. doi: 10.30970/sbi.1603.690

Kumpanenko, O. S., **Honchar, H. Y.**, Gorobchyshyn, V. A. and Protsenko, Y. V. (2021) Preliminary list of some Aculeata (Hymenoptera: Chrysidoidea, Pompiloidea, Vespoidea, Apoidea) of the Shatsk National Natural Park (Volyn Region, Ukraine), *The Kharkov Entomological Society Gazette*, 29(1): 8–19. doi: 10.36016/KhESG-2021-29-1-2.

**Honchar, H.** (2020) Diversity and Trophic Relationships of Functional Groups of Bumblebees (Hymenoptera: Apidae, *Bombus* Latreille, 1802) in Urban Habitats, *Psyche: A Journal of Entomology*, Article ID 5182146, doi:10.1155/2020/5182146

**Honchar G.Y.**, Gnatiuk A.M. (2020) Urban ornamental plants for sustenance of wild bees (Hymenoptera, Apoidea). *Plant Introduction*, 85/86: 93-108, doi:10.46341/PI2020014

**Honchar H.** (2020) The use of the Normalized Difference Vegetation Index (NDVI) to estimate the diversity of wild bees (Hymenoptera, Apoidea), *Ecological Sciences*, 7: 133-139, doi:10.32846/2306-9716/2020.eco.2-29.1.22

**Honchar H.**, Kumpanenko A., Koniakin S. (2020) Using artificial nesting structures for hymenopteran insects (Hymenoptera, Aculeata) in the city, *Ecological Sciences*, 5(32): 82-90, doi:10.32846/2306-9716/2020.eco.5-32.12

Nebesnyi V.B, Grodzynska G.A., **Honchar H.Y.**, Samchuk A.I., Dugin S.S. (2020) Spectrophotometric express method in bioindication of park ecosystems, *Science and Innovation*, 16: 74-82, doi:10.15407/scine16.04.074

Radchenko V, **Honchar H.** (2019) Species diversity of wild bees (Hymenoptera: Apoidea) in parks of Kyiv *Bulletin of Taras Shevchenko National University of Kyiv-Biology*, 78 (2): 40-49. doi:10.17721/1728\_2748.2019.78.40-49

Grodzinskaya, A. A., Samchuk, A. I., Nebesnyi, V. B., & **Honchar, H. Y.** (2019). Radiocesium (137Cs) and Mineral Elements in Culinary-Medicinal Mushrooms from the Southern Outskirts of Kyiv, Ukraine. *International Journal of Medicinal Mushrooms*, 21(1): 71-77, doi:10.1615/IntJMedMushrooms.2018029583

Grodzinskaya, A. A., Nebesnyi, V. B., Samchuk, A. I., & **Honchar, H. Y.** (2019). Content of trace elements, 137Cs and 40K in bioindicators and soils from Kyiv (Ukraine). *Int. J. Med. Plant Studies*, 7(5), 115-125.

**Honchar H. Y.** Gnatiuk A. M. (2018) The diversity of wild bees (Hymenoptera: Apoidea) in the M. M. Gryshko National Botanic Gardens of the NAS of Ukraine, *The Kharkov Entomological Society Gazette*, 26(2):33–42, doi: 10.36016/KhESG-2018-26-2-5.

**Honchar H. Yu.**, Verves, Yu. G., Gaponova, L. P., Dubrovskiy, Yu. V., Koniakin, S. M., Kostenko, O. G., Kotenko, A. G., Kumpanenko, O. S., Stukaliuk, S. V. (2018) Preliminary list of invertebrates of the local landscape 'Theophania'. *The Kharkov Entomological Society Gazette*. 2018. Vol. XXVI, iss. 1:11–49 Available at: <http://94.244.56.40/index.php/KhESG/article/view/5>

**Honchar H. Yu.** (2017) Species composition and ecological features of wild bees (Hymenoptera: Apoidea) of the Dnipro Islands in Kyiv”, *The Kharkov Entomological Society Gazette*, 25(2): 11–21.

Nebesnyi, V. B., Grodzinskaya, A. A., **Honchar, A. Y.**, Konyakin, S. M., & Schur, K. Y. (2016). The use of *Tilia cordata* Mill. as bioindicator for the evaluation of the ecological state of Kyiv urbanized areas (Ukraine). *J. Med. Plants Stud*, 4, 277-282.

### Research experience and skills

General: Experience in leading and managing a small project for young scientists, hands-on experience in experimental design, field sampling, and statistical analysis.

Software: Basic R skills, Basic QGIS skills

Sampling methods: Sweep-net, capture-mark-recapture, pan-traps, nesting-constructions (trap-nests) for wild bees.

Pollinators: Pollinator-plant networks, nectar extraction, field visual observation.

Taxonomy and Identification: Insects: Apoidea (Hymenoptera); Plant: Angiosperms, predominantly flowering plants visited by bees.

Languages Ukrainian – native, English – intermediate

### Community service:

Citizen Science: Ukrainian Biodiversity Information Network (UkrBIN), taxonomist of bees.