

CURRICULUM VITAE



GUMENIUK IRYNA

PhD in Biology

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SCIENTIFIC PROFILES

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EDUCATION AND SCIENTIFIC DEGREES

PhD in Biological Sciences, "Ecology"

Institute of Agroecology and Environmental Management of NAAS, 2019

Master of Microbiology

Taras Shevchenko National University of Kyiv, 2015

Bachelor of Biology

Taras Shevchenko National University of Kyiv, 2013

EXPERIENCE

Head of the Laboratory of Microbial Ecology

Institute of Agroecology and Environmental Management of NAAS: June 2020 to present time

Senior Research Fellow of the Laboratory of Microbial Ecology

Institute of Agroecology and Environmental Management of NAAS: December 2019 - June 2020

Scientific Researcher of the Laboratory of Microbial Ecology

Institute of Agroecology and Environmental Management of NAAS: February 2017 - December 2019

SCIENTIFIC FIELDS

- Ecology of soil microorganisms;
- Microbiology;
- Agroecology and biosafety;
- Development of biological preparations based on agronomically useful microorganisms.

PROFESSIONAL SKILLS

Microbiological methods:

- Isolation of a certain ecological and trophic group of a microorganism;
- Cultivation of microorganisms;
- Obtaining a pure culture of bacteria;
- Bright-field, dark-field, phase-contrast and electron microscopy.

SKILLS

Languages: German (Upper-Intermediate);
English (Upper-Intermediate).

SCIENTIFIC AND PUBLIC ACTIVITIES

- Member of National Public Organization Vynohrads'kyj Society of Microbiologists of Ukraine (SMU) and FEMS;
- Member of All-Ukrainian Public Organization «Vavilov Society of Geneticists and Breeders of Ukraine»;
- Member of the All-Ukrainian Public Organization "Association of Agroecologists of Ukraine";
- Head of the microbiological testing group of TL "DAB";
- Lecturer of the course of lectures "Environmentally safe agricultural technologies", "Biological safety of agroecosystems", "Ecology of microorganisms".

TRAINING

2021-2022, November 29 - February 25 "Modernization of higher education and science: paradigm of science and technologies innovative development" (Center for Innovation, Technical and Natural Knowledge Transfer in University of Rzeszów, Poland);
2021, January 25 - April 9 - "Methodology of scientific research in the field of education, science and innovation for sustainable development" (Center for Innovation, Technical and Natural Knowledge Transfer in University of Rzeszów, Poland);
2016 April 4-8 "Agricultural microbiology" (Institute of Agricultural Microbiology and Agroindustrial Production of the National Academy of Agrarian Sciences of Ukraine, Chernihiv, Ukraine).

PREPARED PROJECTS

Project № 57653592 "Agroecology education as response to food crisis in Ukraine" (2022, DAAD);

Competition of the National Academy of Sciences of Ukraine for the prize of the Presidium of the National Academy of Sciences "For the best scientific report of a young scientist of the National Academy of Sciences of the National Academy of Sciences in fundamental and applied research", "Peculiarities of the functioning of leguminous-rhizobial symbiosis of soybeans" (2021, Ukraine);

Competition in the Framework program of the European Union for scientific research and innovation, "Assessment of the functioning of soil microbiocenosis in the conditions of climate change" ("Horizon 2020" 2021, Ukraine);

Competition of projects for the implementation of scientific research and development "Science for the safety of man and society" National Research Fund of Ukraine, "Increasing the effectiveness of the leguminous rhizobial system *Mesorhizobium ciceri* - *Cicer arietinum* in different soil and climatic conditions of Ukraine" (2020, Ukraine).

RESEARCH PROGRAMS

06.00.02.04 A. № DR 0116U000744 "To develop scientific and methodological bases for optimization of soil microbial groups in agroecosystems" (2016-2018);

06.00.03.02. F. № DR 0116U000743 "To develop scientific and methodological bases of microbiocenosis of soil biodiversity of agroecosystems by molecular genetic methods" (2016-2020);

06.00.02.03. F. № DR 0121U109053 «To develop scientific and methodological bases of balanced functioning of soil microbiocenosis of agroecosystems in the conditions of climate changes" (2021-2025).

REFERENCES

Author of 35 scientific works, including 3 publications that are included in SCOPUS or Web of Science databases, co-author of 1 monograph, 2 training manuals, 2 methodological recommendations.