

CURRICULUM VITAE



BUNAS ALYONA

PhD in Biology,
Senior Explorer

Date of birth: 29.01.1986
Nationality: Ukrainian
E-mail: bio-206316@ukr.net
Phone: +38 (097) 526-50-43
Work place: Institute of Agroecology and Environmental
Management of NAAS, 12 Metrolohichna St., Kyiv, 03143, UKRAINE

SCIENTIFIC PROFILES

ORCID: [0000-0003-4806-7004](https://orcid.org/0000-0003-4806-7004)
Google Scholar: [Bunas_Alyona](https://scholar.google.com/citations?user=Bunas_Alyona)

EDUCATION TA SCIENTIFIC DEGREES

PhD in Biological Sciences, "Ecology"

*Institute of Agroecology and Environmental Management of NAAS,
2013*

Master of Microbiology and Virology

*Oles Honchar Dnipro National University,
2015*

EDUCATION AND SCIENTIFIC DEGREES

Senior Explorer

*Institute of Agroecology and Environmental Management of NAAS,
2019*

EXPERIENCE

Senior Research Fellow of the Laboratory of of Microbial Ecology

*Institute of Agroecology and Environmental Management of NAAS:
July 2019 to present time*

Head of the Molecular Biology Laboratory

*Institute of Agroecology and Environmental Management of NAAS,;
September 2014 - July 2019*

SCIENTIFIC FIELDS

- Microbiological monitoring;
- Soil microbiocenosis;
- Plant-microbial interactions;
- Biotechnological production of biological preparations.

PROFFECIONAL SKILLS

Molecular methods:

- Isolation of DNA;
- Polymerase chain reaction (PCR);
- Enzyme immunoassay (ELISA);
- Gel electrophoresis;
- Southern blotting.

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";
- Tester in TL "DAB".

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)

PREPARED PROJECTS

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 "Complex of agronomically useful strains of microorganisms for the cultivation of ecologically safe vegetable crops" (2020, Ukraine).

RESEARCH PROGRAMS

03.00.06.01.F. DR № 0111U001617 "To develop scientific principles for evaluating agricultural technologies based on biodiagnostic indicators and measures to improve the ecological state of agroecosystems" (2011–2015);

06.00.03.02.F DR № 0116U000743 "Develop scientific and methodological bases for assessing soil biodiversity of agroecosystems by molecular genetic methods" (2016–2020);

06.00.02.03.F. DR № 0121U109053 "To develop the scientific and methodological foundations of the balanced functioning of the soil microbiocenosis of agroecosystems under conditions of climate change" (2021–2025).

REFERENCES

Author of more than 55 scientific works, 5 included to SCOPUS or Web of Science databases of and co-author of 4 patents of Ukraine.