



## Europass Curriculum Vitae



### Personal information

First name(s) / Surname(s) Vitaliy / Bilanych

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Nationality Ukrainian

Date of birth 21.08.1963

Gender Male

**Desired employment /  
Occupational field** physicist

### Work experience

Dates 2021-2022

Occupation or position held **Scientific supervisor** of bilaterally Ukrainian-Belarusian research grant "Development and research of gas-sensitive materials based on semiconductor oxides as sensors for analysis of human exhaled breath for systems of medical diagnostics"

Dates 2020-2022

Occupation or position held **Senior researcher** of grant of the Ministry of Education and Science of Ukraine "Functional nanostructures based on biomaterials and chalcogenides".

Dates 2019-2021

Occupation or position held **Scientific supervisor** of grant of the Ministry of Education and Science of Ukraine "New composite and ceramic superionic conductors based on compounds with argyrodite structure: production, research and application".

Dates 2018-2019

Occupation or position held **Scientific supervisor** of grant of the Ministry of Education and Science of Ukraine "Development and research of new composite and ceramic materials based on copper- and silver-containing argyrodites".

Dates 2015 – 2017

Occupation or position held **Senior research** of grant of the Ministry of Education and Science of Ukraine "Order-disorder processes in new amorphous superionic conductors with argyrodite structure".

Dates 2013 – 2015


Occupation or position held **Principal investigator** of the grant of the Ministry of Education and Science of Ukraine – "Plasmon effects and anisotropy photofluidity in nanostructured amorphous systems Ag (Au) -As-S (Se)".

Dates 2010-2011

Occupation or position held **Principal investigator** of the grant of the Ministry of Education and Science of Ukraine - Investigation of the physical properties of bulk, mesoscopic and nanoscale superionic materials for solid-state electronics.

Dates	2003-2004
Occupation or position held	<b>Member of the project</b> "Necessary additional activities concerning expanding, integration of Transcarpatian science-technical networks."Reg. CN.NIG 979923.
Dates	2000-2001
Occupation or position held	<b>Member of the project</b> "Modernization of the Uzhgorod University and Region Research Institution Network", Reg.No CN.NIG 976326
Dates	From 2000 to present
Occupation or position held	<b>Associate Professor</b> , Department of Applied Physics of Uzhhorod National University Senior Scientific Researcher.
Main activities and responsibilities	Teaching of Applied Physics. Performing independent research in Applied Physics. Supervision of research work of students and graduate students. Participation in the scientific public life.
Name and address of employer	Uzhhorod National University, Pidhirna Str.46, Uzhhorod, Ukraine
Type of business or sector	research and education
Dates	From 1998 to 2000
Occupation or position held	<b>Lecturer</b> of the Department of Semiconductor Physics, Senior Scientific Researcher
Main activities and responsibilities	Teaching of Semiconductor Physics. Performing independent research in Experimental Physics.Supervision of research work of students.
Name and address of employer	Uzhhorod National University, Pidhirna Str.46, Uzhhorod, Ukraine
Type of business or sector	research and education
Dates	From 1996 to 1998
Occupation or position held	<b>Senior Scientific Researcher</b>
Main activities and responsibilities	Performing independent research in Experimental Physics and Semiconductor Physics.
Name and address of employer	Uzhhorod State University, Pidhirna Str.46, Uzhhorod, Ukraine
Type of business or sector	research
Dates	From 1993 to 1996
Occupation or position held	<b>Scientific Researcher</b>
Main activities and responsibilities	Performing independent research in Experimental Physics and Semiconductor Physics.
Name and address of employer	Uzhhorod State University, Pidhirna Str.46, Uzhhorod, Ukraine
Type of business or sector	research
Dates	From 1990 to 1993
Occupation or position held	<b>Junior Scientific Researcher</b>
Main activities and responsibilities	Performing research in Experimental Physics and Semiconductor Physics.
Name and address of employer	Uzhhorod State University, Pidhirna Str.46, Uzhhorod, Ukraine
Type of business or sector	research
Dates	From 1986 to 1988
Main activities and responsibilities	<b>served in the Armed Forces</b> of the USSR
Dates	From 1985 to 1990
Occupation or position held	<b>graduate (PhD) student</b> of department of semiconductors physics
Main activities and responsibilities	Research in Experimental Physics and Semiconductor Physics
Name and address of employer	Uzhhorod State University, Pidhirna Str.46, Uzhhorod, Ukraine
Type of business or sector	Education, research.
Dates	From 1980 to 1985
Occupation or position held	<b>student</b> of Physics and Mathematics Faculty
Main activities and responsibilities	Learning and Research in Experimental Physics
Name and address of employer	Drogobych Pedagogise Instituty, Stryjska Str.26, Drogobych, Ukraine
Type of business or sector	Education, research.
<b>Academic Rank and Degree</b>	

Dates	2022									
Title of qualification awarded	Real Member (academician) of Academy of Technological Sciences of Ukraine (elected on February 3, 2022, diploma number №614)									
Principal subjects/occupational skills covered	Electron-induced effects in amorphous semiconductor films and their possible applications.									
Name and type of organisation providing education and training	Academy of Technological Sciences of Ukraine									
Dates	2019									
Title of qualification awarded	Corresponding Member of the Academy of Technological Sciences of Ukraine (elected on May 24, 2019, Diploma No. 589)									
Principal subjects/occupational skills covered	Polarization dependent effects in isotropic semiconductor films. Investigations of new laser-induced processes in amorphous semiconductors.									
Name and type of organisation providing education and training	Academy of Technological Sciences of Ukraine									
Dates	2003									
Title of qualification awarded	academic rank of " <b>Associate Professor</b> of Applied Physics Department" (diploma number DC №007525 April 17, 2003)									
Principal subjects/occupational skills covered	Performing independent research in Semiconductor Physics. Thesis title: Nonequilibrium processes in chalcogenide semiconductors and superionic materials.									
Name and type of organisation providing education and training	Attestation Collegium of the Ministry of Science and Education of Ukraine.									
Dates	1993									
Title of qualification awarded	academic degree " <b>Candidate of Physical and Mathematical Science</b> ". (PhD.) (diploma number KN № 001837, February 18, 1993)									
Principal subjects/occupational skills covered	Performing independent research in Semiconductor Physics. Thesis title: The processes of the mechanical relaxation in glassy system As-S(Se).									
Name and type of organisation providing education and training	Higher Attestation Commission of the Ministry of Science and Education of Ukraine									
Dates	1985									
Title of qualification awarded	<b>teacher</b> of Physics and Mathematical									
Principal subjects/occupational skills covered	Guided scientific research in the Semiconductor Physics									
Name and type of organisation providing education and training	Drogobych Pedagogise Institute, Stryjska Str.26, Drogobych, Ukraine Qualification Degree awarded by the Attestation Commission.									
<b>Personal skills and competences</b>										
Mother tongue(s)	<b>Ukrainian</b>									
Other language(s)										
Self-assessment	<b>Understanding</b>				<b>Speaking</b>				<b>Writing</b>	
<i>European level (*)</i>	<b>Listening</b>		<b>Reading</b>		<b>Spoken interaction</b>		<b>Spoken production</b>			
<b>Russian</b>	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
<b>English</b>	B1	Intermediate	B1	Intermediate	B1	Intermediate	B1	Intermediate	B1	Intermediate
<b>Slovak</b>	B1	Intermediate	B1	Intermediate	B1	Intermediate	B1	Intermediate	B1	Intermediate
	(*) <u>Common European Framework of Reference for Languages</u>									
Social skills and competences	Good ability to research team work. Good ability to adapt to multicultural environments. Experience of University teaching. Reresearch work experience									
Organisational skills and competences	Experience in scientific research project managing.									
Technical skills and competences	Long expertise in experimental studies of complex systems. Experience in written and oral presentation of scientific results.									

Computer skills and competences	Experience with mathematical software, programs for processing experimental results, NanoScope Analysis, Gwyddion, Rheology Advantage, TA Universal Analysis, Electronics Workbench Pro.
Driving licence	Category B licence.
<b>Additional information</b>	h-index=8; 72 papers in scientific journals, indexed in Scopus database, 205 citations in Scopus; more than 62 oral or poster presentations at international conferences.
<b>Profile authenticators</b>	Scopus ID 6507729149 ORCID 0000-0003-4293-5675
<b>Signature</b>	 Uzhhorod, 20.04.2023