Europass Curriculum Vitae

Personal information

First name(s) / Surname(s)	**Sîrghi Olesea**
Address(es)	704 ap., 29/3a Eugen Coca str., MD-2064, Chisinau, Republic of Moldova
Telephone(s)	Mobile: 068841042
E-mail	sirghi.olesea@upsc.md
Nationality	Moldavian
Date of birth	07.11.1980
Gender	Female

Occupational field
Teaching

Work experience

Dates	**2005-2023** onwards
Occupation or position held	**Lecturer**
Main activities and responsibilities	Teaching and training university courses in Computer Science (Technologies for e-Textbooks and Educational Software Development, Technologies for the Development of Knowledge Assessment Software, Information and Communication Technologies, The integration of Information Technologies in teaching, The use of ICT in the teaching-learning of history, Information processing in graphical applications, Artificial intelligence, Computer aided modeling and simulation, Programming Mobile Devices, Multimedia Technologies, C/C++ Programming, IT project management, Object-Oriented Programing, Educational software development technologies)
Name and address of employer	Department of Informatics and Information Technology in Education, Ion Creanga State Pedagogical University from Chisinau, 1, Ion Creanga str., Chisinau, Republic of Moldova Tel.: (0373) 22- 35-81-25; E-mail: rectorat@upsc.md; Website: http://www.upsc.md
Type of business or sector	University teaching
Dates	**2013-2014**
Occupation or position held	**Teacher of physics**
Main activities and responsibilities	Organization of the teaching-learning-evaluation process based on the learning units of the subject physics in high school cycle
Name and address of employer	Public Institution Profesional School no. 2 from Chisinau, 59, Ion Creanga str., Chisinau, Republic of Moldova Tel.: (0373) 22 742 903; Website: https://sp2chisinau.md/
Type of business or sector	Teaching in secondary and high school education
Dates	**2012-2013**
Occupation or position held	**Teacher of informatics**
Main activities and responsibilities	Organization of the teaching-learning-evaluation process based on the learning units of the subject Computer Science in the secondary and high school cycle
Name and address of employer	'Orizont' Theoretical High School Public Institution from Chisinau, Republic of Moldova, 13A, Ion Pelivan str., Chisinau, Republic of Moldova Tel.: (0373) 795 57 784; Website: https://orizont.org/ro/
Type of business or sector	Teaching in secondary and high school education
Dates	**2008-2009**
Occupation or position held	**Teacher of informatics and mathematics**
Main activities and responsibilities	Organization of the teaching-learning-evaluation process based on the learning units of the subject Computer Science and mathematics in the secondary and high school cycle
Name and address of employer	'Vladimir Boiarnitchi' Theoretical High School Public Institution from Drochia, Republic of Moldova, 5, 31 August str., Drochia, Republic of Moldova
Type of business or sector	Teaching in secondary and high school education

Dates	**2005-2006**
Occupation or position held	**Teacher of informatics**
Main activities and responsibilities	Organization of the teaching-learning-evaluation process based on the learning units of the subject Computer Science in the secondary and high school cycle
Name and address of employer	'Socrate' Theoretical High School Public Institution from Chisinau, Republic of Moldova, 5/2, Matei Basarab str., Chisinau, Republic of Moldova
	Tel.: (0373) 22 310 568; Website: https://liceul-socrate.md/
Type of business or sector	Teaching in secondary and high school education
Dates	**2004-2005**
Occupation or position held	**University assistant**
Main activities and responsibilities	Teaching and training university course The basics of applied informatics in 'Applied Informatics' study program
Name and address of employer	Department of Applied Informatics in business, The Academy of Economic Studies of Moldova from Chisinau, 61, Mitropolit Gavriil Bănulescu-Bodoni str., Chisinau, Republic of Moldova,
	Website: https://ase.md/
Type of business or sector	University teaching
Dates	**2003-2004**
Occupation or position held	**Teacher of informatics**
Main activities and responsibilities	Organization of the teaching-learning-evaluation process based on the learning units of the subject Computer Science in the secondary and high school cycle
Name and address of employer	'Socrate' Theoretical High School Public Institution from Chisinau, Republic of Moldova, 5/2, Matei Basarab str., Chisinau, Republic of Moldova
	Tel.: (0373) 22 310 568; Website: https://liceul-socrate.md/
Type of business or sector	Teaching in secondary and high school education
Dates	**2002-2004**
Occupation or position held	**Teacher of informatics and physics**
Main activities and responsibilities	Organization of the teaching-learning-evaluation process based on the learning units of the subject Computer Science and physics in the secondary and high school cycle
Name and address of employer	'Miguel de Cervantes Saavedra' Romanian-Spanish Theoretical High School Public Institution from Chisinau, Republic of Moldova, 36, Avram Iancu str., Chisinau, Republic of Moldova,
	Tel.: (0373) 22 543 041; Website: http://ltmigueldecervantes.educ.md/
Type of business or sector	Teaching in secondary and high school education

Additional professional implication

Member in the National Project 'Elaborarea și implementarea manualelor digitale interactive în învățământul preuniversitar' (Development and implementation of interactive digital textbooks in pre-university education), nr. 20.80009.1606.25, State Program 2020-2023, financed by National Agency for Research and Development

Trainer in the program "Digital literacy, oriented towards the possession of basic ICT skills" (2 credits) of continuous professional training for the development of digital skills, intended for the academic and management staff of the "Ion Creanga" State Pedagogical University, organized by the Guidance and Counseling Center in Career in collaboration with the National Center for Digital Innovations in Education "Class of the Future", January 17 - February 9, 2023

Trainer within the project "Women's digital center" of digital and entrepreneurial education for women and young women from the Republic of Moldova, implemented by the Private Institution University Information Center (it acts on the basis of the Statute, registered at the Ministry of Justice with no. o853) with the financial support of To the Orange Moldova Foundation, November 29, 2022, from Chisinau

Member of collective management bodies at university level: Senate, within the "Ion Creanga" State Pedagogical University, 2022-2023

Trainer in the continuing professional training programs in the study programs: Educational Management, Physics, Chemistry, Biology, Psychopedagogy, Trainer Training, SAP Speech Therapy, Special and Integrated Education, Extracurricular Education, Mathematics in the Center for Continuing Education and Leadership, UPSC (September-December, 2022), within the "Ion Creanga" State Pedagogical University

Trainer in the course of the continuous professional training program 'Digital Literacy' (3 credits), aimed at possessing basic ICT skills, for the non-teaching staff of the State Pedagogical University 'Ion Creanga', organized by the Career Guidance Counseling section in collaboration with the National Innovation Center Digital in Education "Class of the Future", between 16.11.2021 - 10.02.2022

The development of the "Google Workspace for Education" continuous training program that contains (the program itself, the curriculum, the curriculum support and the short sheet.). The training program focused on the principles and innovative methods of teaching-learning-evaluation, with the implementation of educational technologies and digital innovations in education, within the project "Strengthening of digital literacy, knowledge and skills of teaching staff in the pre-primary subsector in support of on-line learning in the COVID context" from 01.05.2021, UNICEF, Foundation for Development from the Republic of Moldova, June 01 - 24, 2021

Organization of the Workshop event "Orientation of students towards the choice of the IT field" (6 hours), the theme of the communication "Valorization of programming languages and development environments in the IT fields", at CNIDE 'Class of the Future', 'Ion Creanga' State Pedagogical University, 02 April 2022

Member of the Quality Assurance Committee of the Department of Informatics and Information Technologies within the 'Ion Creanga' State Pedagogical University, 2021-2022

National trainer, program author, course support author of the National Digital Literacy program for pre-school teachers (3 credits), 2nd stage, is implemented by the National Center for Digital Innovations in Education "Clasa Viitorului" from within the "Ion Creanga" State Pedagogical University, under the patronage of the Ministry of Education and Research, supported by UNICEF with the financial support of USAID, June -July, 2021

National trainer, program author, course support author of the National Literacy program and development of digital skills of general education teachers (3 credits), 1st stage, is implemented by the National Center for Digital Innovations in Education "Class of the Future", under the patronage of the Ministry of Education and Research, being supported by USAID, Sweden and UK aid through the Moldovan Competitiveness Project and by the Orange Moldova Foundation, through the University Information Center, October 2020 - February 2021

Trainer in the program "Digital literacy, oriented towards the possession of basic ICT skills" (3 credits) of continuous professional training for the development of digital skills, intended for the teaching staff of the State Pedagogical University "Ion Creanga", organized by the Career Guidance and Counseling Center in collaboration with the National Center for Digital Innovations in Education "Class of the Future", May 15, 2021 - June 17, 2021.

Trainer for the lifelong learning course "Integration of web technologies in the teaching of social and human subjects", within the COMPASS project, co-financed by the Erasmus + Program, July, 2021

National trainer, for the training of regional trainers in the National Digital Literacy Program for general education teachers (10 credits), launched by the Ministry of Education and Research, with the support of USAID, Sweden and UK aid through the Moldovan competitiveness project, as well as Orange Moldova Foundation, through the University Information Center, implemented by the National Center for Digital Innovations in Education "Class of the Future", 2020

Education and training

Dates	**2021** onwards
Principal subjects/occupational skills covered	**Doctoral student**, scientific specialty 532.02. School didactics on levels and educational subjects (Informatics). The field of study refers to the pedagogy, theory and methodology of teaching in the field of computer science and examines the problem of developing algorithmic thinking in middle and high school students.
Name and type of organisation providing education and training	Ion Creanga State Pedagogical University from Chisinau, educational Sciences Doctoral School
Dates	**2015-2017**
Principal subjects/occupational skills covered	**Didactic Mathematics. Master in Education Sciences** Education and Teacher training, Didactics of geometry, Didactics of algebra, Didactics of mathematical analysis, Linear operators and applications, Educational language and logic, Bodies' algebraic extensions, Fundamentals of mathematics etc.

Name and type of organisation providing education and training	Ion Creanga State Pedagogical University from Chisinau
Dates	**2005-2006**
Title of qualification awarded	**Master of Physics.**
Principal subjects/occupational skills covered	Computer Instrumental Systems, Pedagogy and Psychology of Higher Education, State of Surface Physics, High Frequency Physics, Quantum Optics, etc.
Name and type of organisation providing education and training	Moldova State University
Dates	**1999-2003**
Title of qualification awarded	**Teacher of physics and informatics**
Principal subjects/occupational skills covered	Pedagogy, General Psychology, Educational Psychology,Theoretical Physics, The basics of programming, C/C++ programming, Development of educational software etc.
Name and type of organisation providing education and training	Moldova State University

Language(s)

Self-assessment

European level (*)	**Understanding**				**Speaking**				**Writing**	
	Listening		Reading		Spoken interaction		Spoken production			
English	B1	Intermediate	B2	Independent user	B1	Intermediate	B1	Intermediate	B2	Independent user
Russian	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user

Romanian	mother tongue
Social skills and competences	Team work - I have worked in various types of teams: research, non-profit organization, sport
Research skills	Development of the educational software, complementary approaches of Computer Assisted Instruction in higher education and general education through interdisciplinary correlation of IT and university courses
Computer skills and competences	Good command of Microsoft Office tools (word processor, spreadsheet, presentation program, microsoft Project etc.), Operating Systems: Windows 98, 2000, XP, 7, 8, 10; Object Oriented Programming in Borland Delphi, VBA, HTML, basic knowledge of graphic design applications (PhotoShop, CorelDraw, InDesign, AdobeAnimate), developing mobile apps in Android Studio, Python programming, C/C++ programming, video processing with ActivePresenter.

Lifelong Learning	
January 14 - June 10, 2022	Thematic program of continuous professional training of teachers "Development and efficiency of scientific thinking in teachers" (60 hours), carried out within the project "Theoretical-applicative foundations of the development of scientific thinking in pedagogues (initial and continuous training)", with code no. 21.00208.0807.09/PD, "Ion Creanga" State Pedagogical University.
April 15, 2022	Webinar 'Using the ZOTERO software for the management of bibliographic references', organized by the Scientific Library of the 'Ion Creanga' State Pedagogical University.
February 26, 2022	The methodological seminar 'The valorization of the Delphi visual programming environment in the process of training the specific competencies of the Informatics discipline (high school)' (6 hours), organized by the Department of Informatics and Information Technologies in Training, 'Ion Creangă' State Pedagogical University.
February 18, 2022	Webinar 'Education for online child safety' (3 hours), organized by the Ministry of Education and Research, LASTRADA Moldova, 'Ion Creanga' State Pedagogical University.
December 28, 2021	The seminar 'Creation and valorization of interactive digital manuals in the didactic activity', within the Project 'Elaborarea şi implementarea manualelor digitale interactive în învățământul preuniversitar' (Development and implementation of interactive digital textbooks in pre-university education), nr. 20.80009.1606.25, State Program 2020-2023, financed by National Agency for Research and Development, organized by the department of Informatics and Information Technologies, at CNIDE 'Class of the Future', 'Ion Creanga' State Pedagogical University.
October 29, 2021	Webinar 'Google Scholar to help the scientific researcher', organized by the Scientific Library of the 'Ion Creanga' State Pedagogical University.
October 28, 2021	Webinar 'Creating and Using ORCID Profile for Researcher Identity Management', organized by the Scientific Library of the 'Ion Creanga' State Pedagogical University.

October 27, 2021	Webinar 'UPSC Repository - method of access and knowledge of educational science', Institutional Repository in the process of scientific research, organized by the Scientific Library of the 'Ion Creanga' State Pedagogical University.
October 26, 2021	Webinar 'Training skills to search for digital documents in the Primo Central Index (PRIMO Catalog)', organized by the Scientific Library of the 'Ion Creanga' State Pedagogical University from Chisinau
July 14 - August 20, 2021	Graduation from the 'Design and Development of Mobile Applications' course within the training program organized by 'TEKWILL IN EVERY SCHOOL', under the patronage of the Ministry of Education and Research, being supported by USAID, Sweden Sverige, EU4Moldova and UNDP (60 academic hours) TIFS graduation certificate - 21080241.
July 14 - August 20, 2021	Graduation from the 'Artificial intelligence' course within the training program organized by 'TEKWILL IN EVERY SCHOOL', under the patronage of the Ministry of Education and Research, being supported by USAID, Sweden Sverige, EU4Moldova and UNDP (60 academic hours) TIFS graduation certificate - 21080163.
May - June, 2021	The continuous training activities 'Innovative teaching-learning-evaluation methods in informatics through the implementation of STEAM projects' (9 hours) carried out within the community of informatics teachers, the 'Teacher - Digital Ambassador' project, implemented by the National Center for Digital Innovations in Education 'Class of the Future' and the DEVELOPMENT Foundation, under the patronage of the Ministry of Education and Research, being supported by USAID, Sweden and UKaid and by the Orange Moldova Foundation, with the financial support of the SOROS Foundation Moldova, No. PDA - 274.
April 22, 2021	The training: 'Activities to create and capitalize on the digital-interactive textbook (Mathematics, 5th grade)', organized by the Department of Computer Science and Information Technologies in Instruction, Faculty of Educational Sciences and Computer Science, within the 'Ion Creanga' State Pedagogical University, SEI-21-274.
March 5, 2021	The conference for teachers with the theme 'Technology makes the difference' (6 hours), implemented by the National Center for Digital Innovations in Education 'Class of the Future' within the 'Ion Creanga' State Pedagogical University, under the patronage of the Ministry of Education and Research, being supported by USAID, Sweden and UKaid through the Moldovan Competitiveness Project and the Orange Moldova Foundation, LED LIECHTENSTEIN development partner, GOOGLE technology partner.
August 10 - 14, 2020	Graduation of the course 'Development of digital skills of teaching staff for teaching-learning-evaluation, with Gsuite for Education' (2 credits), launched by the Ministry of Education and Research of the Republic of Moldova and carried out within the National Center for Digital Innovations in Education 'Class of the Future', from Chisinau.
International conferences	
	Sîrghi, Olesea, Communication at the International Scientific Conference "Inter/transdisciplinary approaches in the teaching of the real sciences, (STEAM concept)", with the topic of the communication "Methodical approaches regarding the study of the Python programming language from the perspective of Artificial Intelligence", held at Tiraspol State University/ the 'Ion Creanga' State Pedagogical University, Chisinau, Republic of Moldova, from the 28th to the 29th of October, 2022 (3 credits), STEAM-S22-79.
	SÎRGHI, Olesea. The value of Python programming language and its basic implementation. In: Problems of social sciences and the modernization of education: Materials of the national scientific conference with international participation, organized within the 'Ion Creanga' State Pedagogical University, March 25, 2022, CSN/PI-22-152.
	SÎRGHI, Olesea, CHIRIAC, Tatiana. Interactive learning activities in the digital mathematics textbook for the 6th grade. In: Problems of social sciences and the modernization of education: Materials of the national scientific conference with international participation, organized within the 'Ion Creanga' State Pedagogical University, March 25, 2022, CSN/PI-22-152.
Publications	
	SÎRGHI, Olesea. Valorificarea limbajului de programare Python și implementarea de bază a acestuia. In: Probleme ale ştiinţelor socioumanistice şi ale modernizării învăţământului : Materials of the national scientific conference with international participation, March 25, 2022, Series 24. Chisinau: CEP UPSC, 2022. Vol. 2. pp. 221-225. ISBN 978-9975-46-651-6 ; ISBN 978-9975-46-653-0
	SÎRGHI, Olesea, CHIRIAC, Tatiana. Activităţi de învăţare interactive în manualul digital de matematică pentru clasa a VI-a. In: Probleme ale ştiinţelor socioumanistice şi ale modernizării învăţământului: Materials of the national scientific conference with international participation, March 25, 2022, Series 24. Chisinau: CEP UPSC, 2022. Vol. 2. pp. 207-215. ISBN 978-9975-46-651-6 ; ISBN 978-9975-46-653-0

Course support: Tehnologii avansate de grafică asistată de calculator: Field of study: „ Informatics and Information Technology" : (course support) / Balmuș Nicolae, Sîrghi Olesea, Chiriac Tatiana ; 'Ion Creanga' State Pedagogical University, ", Faculty of Educational Sciences and Informatics, Department of Informatics and Information Technology in Education. - Chisinau : S. n., 2021 (CEP UPS). - 130 p. : fig., tab. Bibliogr. references.: p. 120 (12 tit.). - 100 ex., ISBN 978-9975-46-587-8.

SCHIȚCO, Olesea. Modelarea matematică și simularea asistată de calculator a dinamicii fluidelor perfecte. In: Probleme ale ştiinţelor socioumanistice şi modernizării învăţământului: materials of the annual scientific conference of teachers and researchers; 'Ion Creanga' State Pedagogical University; coord. şt. Ig. RACU, col. red. A. VERDEŞ [et al.]: [in vol.]. Chişinău: S. n., 2016 (Tipogr. UPS „Ion Creangă"), vol. 1 (seria 18), p. 215-220.

BUSUIOC, V., SCHIȚCO, O. Rezolvarea numerică a ecuaţiilor algebrice şi transcendenteaplicaţie interactivă asistată de calculator pentru învăţământul preuniversitar. In: Probleme actuale ale ştiinţelor socioumanistice: 75 de ani de la fondare: materials of the annual scientific conference of students and masters. 'Ion Creanga' State Pedagogical University; coord. şt. I. RACU, col. red. C. PERJAN, G. TOPOR, A. SOLCAN [et al.]. Ch.: S. n., 2015 (Tipogr. UPS „Ion Creangă‖), pp. 94-99

Diploma of merit	
	The awarding of a diploma of appreciation for efficient, professional activity and dedication, in the framework of the partnership with the Orange Moldova Foundation and the University Information Center, for the realization of the Women Digital Center project (November 29, 2022)
Implication in research projects	
2020 - 2023	Member in the National Project 'Elaborarea și implementarea manualelor digitale interactive în învățământul preuniversitar' (Development and implementation of interactive digital textbooks in pre-university education), nr. 20.80009.1606.25, State Program 2020-2023, financed by National Agency for Research and Development
June - November, 2022	Trainer within the project "Women's digital center" of digital and entrepreneurial education for women and young women from the Republic of Moldova, implemented by the Private Institution University Information Center (it acts on the basis of the Statute, registered at the Ministry of Justice with no. o853) with the financial support of To the Orange Moldova Foundation
July, 2021	Trainer for the lifelong learning course "Integration of web technologies in the teaching of social and human subjects", within the COMPASS project, co-financed by the Erasmus + Program
June -July, 2021	National Digital Literacy program for pre-school teachers (3 credits), 2nd stage, is implemented by the National Center for Digital Innovations in Education "Clasa Viitorului" from within the "Ion Creanga" State Pedagogical University, under the patronage of the Ministry of Education and Research, supported by UNICEF with the financial support of USAID
June 01 - 24, 2021	The development of the "Google Workspace for Education" continuous training program that contains (the program itself, the curriculum, the curriculum support and the short sheet.). The training program focused on the principles and innovative methods of teaching-learning-evaluation, with the implementation of educational technologies and digital innovations in education, within the project "Strengthening of digital literacy, knowledge and skills of teaching staff in the pre-primary subsector in support of on-line learning in the COVID context" from 01.05.2021, UNICEF, Foundation for Development from the Republic of Moldova
October, 2020 - February, 2021	National Literacy program and development of digital skills of general education teachers (3 credits), 1st stage, is implemented by the National Center for Digital Innovations in Education "Class of the Future", under the patronage of the Ministry of Education and Research, being supported by USAID, Sweden and UK aid through the Moldovan Competitiveness Project and by the Orange Moldova Foundation, through the University Information Center
July - September, 2020	Program professional training for teaching staff from general education institutions in the Republic of Moldova "DIGITAL LITERACY" (2 credits), within the National Center for Digital Innovations in Education "Clasa Viitorului", in collaboration with the Ministry of Education and Research of the Republic of Moldova
July - September, 2020	National Digital Literacy Program for general education teachers (10 credits), launched by the Ministry of Education and Research, with the support of USAID, Sweden and UK aid through the Moldovan competitiveness project, as well as To the Orange Moldova Foundation, the University Information Center, implemented by the National Center for Digital Innovations in Education "Class of the Future".