

Curriculum vitae Europass



Personal information

First name(s) / Surname(s) **Bilașco Ștefan**

Address(es)

Telephone(s)

Fax(es)

E-mail stefan.bilasco@ubbcluj.ro sbilasco@yahoo.com

Nationality Romanian

Date of birth

Gender Male

Skills

G.I.S. Modeling, G.I.S. Spatial Analysis, Digital Cartography, Topography, G.P.S., Geomatics, Remote Sensing, G.I.S. Hydrological modeling.

Work experience

Dates From February 2017 until the present

Occupation or position held Associate professor

Main activities and responsibilities Teaching courses:

- Spatial analysis assisted by GIS - master's degree studies
- Geoinformatics – bachelor's degree studies
- GIS applications in local administration - master's degree studies
- Cartographic databases - bachelor's degree studies

Name and address of employer "Babeș-Bolyai" University Cluj-Napoca, Faculty of Geography
Str. Mihail Kogălniceanu no.1, Cluj-Napoca, Cluj county, postal cod 400084, Romania
Tel. (4) 0264 405300 – Fax (4) 0264 591906
www.ubbcluj.ro

Type of business or sector Higher education / Scientific activity

Dates From 1 Mai 2011 until the present

Occupation or position held Scientific researcher, III degree

Main activities and responsibilities

- Fundamental scientific research in the domain of applied geography, in the domain of G.I.S. and geoinformatics
- G.I.S. Modeling
- Digital Cartography
- Remote Sensing

Name and address of employer Romanian Academy Cluj Branch Geography Section
Str. Republicii no.9, Cluj-Napoca, Cluj county, postal cod 400015, Romania
Tel. (4) 0264 592363 – Fax (4) 0264 592363
www.acad-cluj.ro

Type of business or sector	geografie.acad-cluj.ro Fundamental research
Dates	From March 2014 until February 2017
Occupation or position held	Lecturer
Main activities and responsibilities	Teaching courses: <ul style="list-style-type: none"> - Spatial analysis assisted by GIS - master's degree studies; - GIS applications in local administration - master's degree studies; - Geoinformatics – bachelor's degree studies
Name and address of employer	"Babeş-Bolyai" University Cluj-Napoca, Faculty of Geography Str. Mihail Kogălniceanu no.1, Cluj-Napoca, Cluj county, postal cod 400084, Romania Tel. (4) 0264 405300 – Fax (4) 0264 591906 www.ubbcluj.ro
Type of business or sector	Higher education / Scientific activity
Dates	From March 2006 until April 2011
Occupation or position held	Scientific researcher
Main activities and responsibilities	<ul style="list-style-type: none"> - Fundamental scientific research in the domain of applied geography, in the domain of G.I.S. and geoinformatics - G.I.S. Modeling - Digital Cartography
Name and address of employer	Romanian Academy Cluj Branch Geography Section Str. Republicii no.9, Cluj-Napoca, Cluj county, postal cod 400015, Romania Tel. (4) 0264 592363 – Fax (4) 0264 592363 www.acad-cluj.ro geografie.acad-cluj.ro
Type of business or sector	Fundamental research
Dates	From October 2004 until February 2006
Occupation or position held	Research Assistant
Main activities and responsibilities	<ul style="list-style-type: none"> - Fundamental scientific research in the domain of technical geography - G.I.S. - Implementation of G.I.S. in modeling floods in small river basins - G.I.S. Modeling
Name and address of employer	"Babeş-Bolyai" University Cluj-Napoca, Faculty of Geography Str. Mihail Kogălniceanu no.1, Cluj-Napoca, Cluj county, postal cod 400084, Romania Tel. (4) 0264 405300 – Fax (4) 0264 591906 www.ubbcluj.ro
Type of business or sector	Fundamental research
Education and training	
Dates	January - July 2015 (postdoctoral course)
Title of qualification awarded	Mentoring in university / Certificate of professional competencies
Principal subjects/occupational skills covered	<ul style="list-style-type: none"> - The basics of mentoring - The mentoring process - Relationship and communication in mentoring - Mentoring and personal development - Evaluation of mentoring programs
Name and type of organisation providing education and training	"Babeş-Bolyai" University Cluj-Napoca, Center for Continuing Education, Distance Learning and Reduced Frequency

	Str. Mihail Kogălniceanu no.1, Cluj-Napoca, Cluj county, postal cod 400084, Romania Tel. (4) 0264 405300 – Fax (4) 0264 591906
Level in national or international classification	
Dates	From October 2007 until June 2010
Title of qualification awarded	Bachelor of CARTOGRAPHY / Bachelor's degree
Principal subjects/occupational skills covered	- Cartography - Topography - GPS - GIS - Remote sensing - Geodesy
Name and type of organisation	"Babeş-Bolyai" University Cluj-Napoca, Faculty of Geography Str. Mihail Kogălniceanu no.1, Cluj-Napoca, Cluj county, postal cod 400084, Romania Tel. (4) 0264 405300 – Fax (4) 0264 591906 www.ubbcluj.ro
Level in national or international classification	ISCED 5
Dates	From October 1, 2004 until May 29, 2008
Title of qualification awarded	PHD IN NATURAL SCIENCES, GEOGRAPHY DOMAIN, RESEARCH BASED ON TECHNICAL GEOGRAPHY-GEOINFORMATICS / PhD degree
Principal subjects/occupational skills covered	Doctoral school - General research methods and methodology of elaboration of scientific papers - Regional development: concepts and models - Specific forms of organization and arrangement of the territory - Resources and development - Natural risks and their management in Romania
Name and type of organisation	"Babeş-Bolyai" University Cluj-Napoca, Faculty of Geography Str. Mihail Kogălniceanu no.1, Cluj-Napoca, Cluj county, postal cod 400084, Romania Tel. (4) 0264 405300 – Fax (4) 0264 591906 www.ubbcluj.ro
Level in national or international classification	ISCED 6
Dates	From October 2003 UNTIL July 2004
Title of qualification awarded	Master G.I.S. INTEGRATED IN TERRITORIAL PLANNING / Master's degree
Principal subjects/occupational skills covered	- Design and implementation of G.I.S. applications - Spatial analysis - Territorial planning strategies - Processing of images taken by remote sensing - Event-oriented programming
Name and type of organisation	"Babeş-Bolyai" University Cluj-Napoca, Faculty of Geography Str. Mihail Kogălniceanu no.1, Cluj-Napoca, Cluj county, postal cod 400084, Romania Tel. (4) 0264 405300 – Fax (4) 0264 591906 www.ubbcluj.ro
Level in national or international classification	ISCED 5
Dates	From October 1999 until July 2003
Title of qualification awarded	Bachelor of GEOGRAPHY / Bachelor's degree
Principal subjects/occupational skills covered	- General geography - Topography, Cartography - Hydrology, Oceanography, Hydrometry, Risk hydrological and climatic phenomena, Water management, Meteorological and hydrological forecasts - Geoinformatics - Meteorology-Climatology

- Geography of settlements and population
- Pedogeography, Biogeography
- Remote Sensing
- Geography of continents, Geography of Tourism

Name and type of organisation "Babeş-Bolyai" University Cluj-Napoca, Faculty of Geography
Str. Mihail Kogălniceanu no.1, Cluj-Napoca, Cluj county, postal cod 400084, Romania
Tel. (4) 0264 405300 – Fax (4) 0264 591906
www.ubbcluj.ro

Level in national or international classification ISCED 5

Dates From 15 September 1994 until 15 June 1998

Title of qualification awarded ACCOUNTANT-STATISTICIAN / Baccalaureate diploma / Professional certificate

Principal subjects/occupational skills covered

- Accounting
- Finance
- Commodities
- Statistics
- Economics

Name and type of organisation School Group for Small Industry and Services
Str. Roses no. 17-19, Sighetu Marmăției, Maramureș, postal code 435500, Romania
Tel. (4) 0262 311325, 0262 311993, 0262 311088

Level in national or international classification ISCED 3

Personal skills and competences

Mother tongue(s)

Romanian

Other language(s)

Self-assessment
European level (*)

English

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Advanced	B2	Intermediate plus	B2	Intermediate plus	B2	Intermediate plus	A1	Beginner

Social skills and competences

- interaction in relations with colleagues
- initiative spirit
- teamwork
- responsibility

Organisational skills and competences

- ability to identify and solve problems
- organization of scientific meetings

Member of the editorial board of scientific journals:

- Editor-in-Chief of GEOGRAPHIA NAPOCENSIS (BDI journal)
<http://geographianapocensis.acad-cluj.ro>
- Main editor of the journal STUDIA UNIVERSITATIS BABEȘ-BOLYAI, GEOGRAPHIA, Edit. Cluj University Press, ISSN (print): 1221-079x, ISSN (online): 2065-9571 ISSN-L: 1221-079x (since 2014 - present) (BDI journal)
- Scientific Secretary of the ROMANIAN JOURNAL OF GEOGRAPHY, Edit. Romanian Academy Publishing House, Bucharest, ISSN 1220-5311 (since 2012 - present) (BDI journal)

Guest Editor of ISI-listed special issues:

- Special Issue "Data Acquisition, Methods and Techniques Applied in Sustainable Forest Management and Hazard Mapping" A special issue of Forests (ISSN 1999-4907). This special issue belongs to the section "Natural Hazards and Risk Management". Deadline for manuscript submissions: 31 May 2023. Guest editors: Sestraș Paul, **Bilașco Ștefan**, Niță Mihai, Roșca Sanda.
- Special Issue "3D Models for Spatial Analysis and Landscape Visualization". A special issue of ISPRS International Journal of Geo-Information (ISSN 2220-9964). Deadline for manuscript

	<p>submissions: closed (31 October 2021). Guest editor Bilaşco Ştefan</p> <ul style="list-style-type: none"> - Special Issue "GIS Methods, Models and Applications in Interdisciplinary Studies". A special issue of Applied Sciences (ISSN 2076-3417). This special issue belongs to the section "Earth Sciences and Geography". Deadline for manuscript submissions: closed (31 December 2021). Guest editors: Roşca Sanda, Bilaşco Ştefan, Dănuţ Petrea, Titus Cristian Man, Paul Sestraş.
<p>Technical skills and competences</p>	<p>Member of the organizing and scientific committee of several scientific events</p> <ul style="list-style-type: none"> - software installation on various types of systems (skills acquired through free time activities) - hardware configuration and debugging (skills acquired through free time activities)
<p>Computer skills and competences</p>	<p>G.I.S. Software</p> <ul style="list-style-type: none"> • GIS spatial analysis and digital mapping - ArcGis Pro, ArcGIS Desktop, QGIS, AutoCAD • Database acquisition - ArcGIS Field Maps, ArcGIS Survey123, CarryMap, QField, PIX4DCapture • WEB GIS management and online dissemination - ArcGIS StoryMaps, , Portal for ArcGIS, QField Cloud, Qgis2threejs Plugin, qgis2web Plugin • Photogrammetry software - Agisoft Metashape, PIX4Dmapper • GIS dedicated software - Global Mapper - CurveExpert, Hyfran - HEC-RAS, HEC-GeoRAS <p>Software deepened after audition the courses and participating in the practical works and specialized seminars from the faculty and master's years as well as due to the participation in numerous seminars organized by public institutions and professional organizations.</p> <p>Office Software</p> <ul style="list-style-type: none"> - Word, Excel, Powerpoint - LibreOffice - OpenOffice <p>Software learned from participating in courses organized by specialized companies</p> <p>Graphics software</p> <ul style="list-style-type: none"> - CorelDraw 11 <p>Software deepened after audiyion the courses and participating in practical works and specialized seminars from the faculty and master's years</p>
<p>Competences and skills of research project management</p>	<p>Project manager</p> <ul style="list-style-type: none"> • International projects - Romanian Project Leader <i>The relationship between innovation ecosystem and creative industry in the development of regional centres</i> Romanian Academy – Hungarian Academy of Sciences Joint Research Project Proposal. Perioada de implementare 2022 - 2025 - Romanian Project Leader „Comparative analysis of local resources and capital formation processes focusing on Cluj-Napoca and Pécs case study areas.” Romanian Academy – Hungarian Academy of Sciences Joint Research Project Proposal. Implementation period 2019-2022 - Romanian Project Leader „Comparative analysis of Functional Urban Areas of Pécs and Cluj-Napoca” Romanian Academy – Hungarian Academy of Sciences Joint Research Project Proposal. Implementation period 2016-2019 • National projects

- Project manager - 2231/25.11.2021 Study "*Environmental protection, natural (landslides, floods) and anthropogenic risks*" Buza TAU.
- Project manager - 2358/21.05.2021 Study "*Environmental protection, natural (landslides, floods) and anthropogenic risks*" Cătina TAU
- Project manager - 14587 / 15.10.2019 - „*Inventory, evaluation and prioritization of the development of anthropogenic resources. The cartographic basis of the study.* " for the subcontractor of Babeş-Bolyai University within the project "Consultancy services for the elaboration of a study on the inventory, evaluation and prioritization of the development of tourist resources in the North-West Region." for the contractor North-West Regional Development Agency
- Head of grant Td CNCISIS theme 1 code 409, entitled *Use of G.I.S. in the process of modeling and calculation of slope floods in small basins* (2005-2007)

Implementation team coordination

- Assistant internship coordinator within the project Invest in people! Project co-financed by the European Social Fund through the Sectoral Operational Program for Human Resources Development 2007 - 2013 Priority Axis 2 "Correlation of lifelong learning with the labor market" Major field of intervention 2.1 "Transition from school to active life" Project title "GeoChoice-counseling and training of practical skills in order to integrate students in the field of geography on the labor market "Beneficiary: Babeş-Bolyai University of Cluj-Napoca Contract POSDRU / 161 / 2.1 / G / 137679

Member in national grants and projects

- Collaborator in the implementation of the project 13700 *Services for updating strategic documents – PATJ (County Spatial Planning Plan) Maramures County*. Implementation period 2022. Project leader Vescan Iuliu
- Collaborator in the realization of the project 18935 /158 *Services of local standardization - GIS format - of urban plans and situation plans*, contractor Cluj County Council, implementation period 2022.
- Collaborator in the realization of the project 37771 *Elaboration of Geomorphological Risk Study for Deva TAU*, implementation period 2022-2023.
- Collaborator in the realization of the project 5159/13.05.2021 - *Studies of the General Urban Plan of Beiuş, jud. Bihor*
- Collaborator in the realization of the project *Counseling-Practice-Motivation-benefits for employment!* Implementation period 2018-2020, project manager Vescan Iuliu
- Collaborator in the realization of the project *Elaboration of Spatial Planning Plan Salaj* project manager Cocean Pompei, (2018).
- *Updating the promotion and marketing strategy regarding the ways of exhibition and promotion of the tourist product in the Ocoliş area* project 933-19.04.2017, project manager Gabriela Cocean
- Collaborator in the realization of the project "Geography for everyone! - GEO4ALL "SGU - Scholarship Scheme for Universities - bridge summer programs, period 2015-2018, project manager Fodorean Ioan
- Collaborator in the realization of the research project *Pedological study regarding the evaluation of the support capacity of the areas affected by grazing with subalpine and alpine meadows in the Rodna Mountains National Park*, (2012), project manager prof. Univ. dr. Ioan Păcurar – USAMV-
- IT Manager within the Invest in People project! Project co-financed by the European Social Fund through the Sectoral Operational Program for Human Resources Development 2007 - 2013 Priority Axis 2 „Correlation of lifelong learning with the labor market” Major field of intervention 2.1 „Transition from school to active life” Project title „GeoParcurs- counseling and training of practical skills in order to integrate students in the field of geography on the labor market "Beneficiary: Babeş-Bolyai University of Cluj-Napoca Contract POSDRU / 161 / 2.1 / G / 137753
- Collaborator in the realization of the IDEI 2549 grant *Estimation of the vulnerability of the rural settlements from the Someşan Plateau to natural and anthropic hazards, in view of the sustainable development* (2009-20011), project director prof. Univ. Dr. Sorocovschi Victor
- Collaborator in the realization of the contract *Plan for the zonification of the zonal territory -PATZ-Mărginimea Sibiului* (2009), Beneficiary: "Reuniunea Mărginenilor" Association, Sălişte, project manager prof. Univ. Dr. Pompei Cocean
- Collaborator in the realization of the contract no. 8709 *Update of the zonification plan of the protected area Cheile Turzii and Cheile Turenilor*, (2007), Beneficiary: Cluj County Council, project manager prof. Univ. Dr. Pompei Cocean

- Collaborator in the realization of the IDEI 517 grant *Mountain settlements threatened by rain torrents, GIS methodology for estimating vulnerability and risk. Application to the Apuseni Mountains* (2007-2009), project director prof. Univ. Dr. Haidu Ionel
- Collaborator in the realization of the CNCSIS type A grant, 1335 *Potential territorial effects of the implementation of the Transylvania highway (Borş-Turda section), in the context of the sustainable development of the interaction corridor* (2006-2008), project director prof. Univ. dr. Petrea Dănuț
- Collaborator in the realization of the CNCSIS 1739 type A grant, entitled *Development of algorithms for spatial analysis of geographical resources based on S.I.G* (2005), project director prof. Univ. Dr. Haidu Ionel
- Collaborator in the realization of the CNCSIS grant of type A, with the title *Realization of a GIS database with the current and perspective tourist potential from the Viseu-Borsa area*. Grant At 559/2003. NURC. (2005-2006), project manager Dr. Dohotar Vasile
- Collaborator in the realization of the CNCSIS grant of type A, theme 17 code 1703 with the title *Țara Maramureşului-regional potential, resources and development* (2003-2005), project manager Dr. Hodor Nicolaie

Member of international grants and projects

- Member of the implementation team of the *RO-RISK research project - Landslides section* funded by the European Social Fund through the Operational Program Administrative Capacity (POCA) 2014-2020, IGSU coordinator (General Inspectorate for Emergency Situations, Romania) (Min. Of Internal Affairs) and the Institute of Geography of the Romanian Academy (2016)
- Member of the project implementation team no. 2915 / 12.12.2012 *Development of the R&D potential of regional centers in interregional cooperation (Romania-Hungary collaboration)*

Awards, diplomas

- **The Prize of the Romanian Academy „Gheorghe Munteanu-Murgoci”** for the book „Implementation of GIS in high slope flood modeling” awarded on December 16, 2010
- **Award for Excellence in Scientific Research for 2022**, awarded by Babeş-Bolyai University, February 06, 2023
- **Award for Excellence in Scientific Research for 2019**, awarded by Babeş-Bolyai University, February 17, 2020
- **EXCELLENCE Award**, given by the Student Council of Babeş-Bolyai University and Babeş-Bolyai University, May 22, 2019
- **Diploma of Excellence**, awarded by: Valahia University of Târgovişte, Faculty of Humanities, Department of Geography, on the occasion of the 25th anniversary of geographic education at the Valahia University of Târgovişte, May 18, 2017
- **Diploma of Excellence**, awarded by: Petrova Local Council and City Hall of Maramureş County, for the special contribution made to the continuation of the scholarly tradition of Petrova Maramureş and the promotion of Good, Truth and Beauty in the world, December 28, 2008
- **Victor Tufescu Prize**, awarded by: Romanian Academy Institute of Geography, University of Bucharest Faculty of Geography Faculty of Chemistry, PROTMED-Research Center for Environmental Protection and Waste Recovery, December 8, 2006
- **“Tiberiu Morariu” Diploma**, awarded by: “Babeş-Bolyai” University Cluj-Napoca Faculty of Geography, June 2005

Other skills and competences

Drone pilot license category A1/A3 valid until 10. IX 2026. **License Drone Pilot category A2** valid until 22. XI 2026.

Driving licence

B

Additional information

Annexes

List of scientific papers