

PERSONAL INFORMATION

HERBEI MIHAI VALENTIN



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Web of Science ResearcherID: K-1204-2013

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Sex M | Date of birth 11/11/1982 | Nationality Romanian

WORK EXPERIENCE

2009 - present

2009-2011
Associate Lecturer

2011-2017
Lecturer

Assoc. Prof. Habil.
2017-2025

Full Prof. Habil.
2025-present

UNIVERSITY OF LIFE SCIENCES "King Mihai I" FROM TIMISOARA (USVT)
(Banat University of Agricultural Sciences and Veterinary Medicine)

Teaching activity:

- Teaching activities, at the Bachelor's Degree Program in Land Surveying and Cadastre, at the courses: Geographic Information Systems, Remote Sensing, Information Systems in Land Surveying, Map projections and at the Master's Degree Program in Systematic Real Estate Registration Management at the courses: Digital Cartography, GIS Spatial Analysis, Modern Methods for Valuing Real Estate Properties

Scientific research activity:

- Achievement of scientific papers published in BDI and / or ISI indexed volumes
- Presentation of scientific papers at national and / or international events / conferences
- Reviewer of the BDI Research Journal of Agricultural Science, Bulletin of the University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca. Horticulture
- Reviewer for ISI publications (Remote Sensing, Water, Land, Energies): www.mdpi.com

Managerial Activity:

- Head of the Department of Sustainable Development and Environmental Engineering - Faculty of Agriculture (2023 – present)
- Member of the Board of the Sustainable Development and Environmental Engineering Department
- Member of the Council of the Faculty of Agriculture
- Member of the Senate of the University of Life Sciences "King Mihai I" From Timisoara
- Coordinator of the Study Program Land Measurements and Cadastre (2011 - 2022)
- Director / Project Leader and / or Member of Scientific Research Teams

EDUCATION - RESEARCH

EDUCATION AND TRAINING

2024

Habbilitation Thesis Field: Mine, Oil, Gas
University of Petrosani – Romania

Title of Thesis:

Use of Geographical Information Systems and satellite images in the management of natural resources

2014 –2015

Postdoctoral studies – Field: Agronomy

Banat University of Agricultural Sciences and Veterinary Medicine Timisoara

Title of the research:

Magistic investigation and GIS methods in land management and vegetal cover

2007 *Main research area: Remote sensing, GIS, Precision farming, Crop monitoring*
 Postgraduate course: *The use of G.I.S. in technical, economic and social management issues*
 University of Petrosani – Romania

2006-2009 **Ph.D. ENGINEER – Field: Mine, Oil, Gas**
 Title of Ph.D. Thesis:
Use of modern techniques and technologies in order to achieve a Geographic Information System in the areas affected by mining exploitations
University of Petrosani – Romania
GIS, Surveying, Geodesy

2006-2008 MASTER DIPLOMA – Field: Human resources management
University of Petrosani - Faculty of Science Romania

2001-2006 ENGINEER – Field: Mining Surveying
University of Petrosani – Faculty of Mine Romania
Topography, Geodesy, Cartography, Remote sensing, GIS

2001-2006 ENGINEER – Field: Systems and computer science
University of Petrosani – Faculty of Mechanical and Electrical Engineering Romania

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B1	B1	B1	B1

Communication skills ▪ good communication skills gained through my experience as professor

Job-related skills ▪ ArcGIS, ArcGIS Pro & ArcGIS Online, ERDAS Imagine, Global Mapper, QGis, M.S. Office, AutoCad Map3D, Leica Geo Office, Leica Zeno GIS Software, SNAP

Driving licence B

ADDITIONAL INFORMATION

- ESRI Training – Basics of Geographic Coordinate Systems (for ArcGIS 10), 2012
- ESRI Training – Getting Started with GIS (for ArcGIS 10), 2012
- ESRI Training - Editing in ArcGIS Desktop 10, 2012
- Leica Geosystems campus Trening Certificate – Zeno 20 and Zeno Mobile Traning, Neusiedl – Austria, 2015

- Technical expert Category D in Topography, Cartography, Geodesy and Cadastre, authorized by the National Agency for Cadastre and Real Estate Advertising Ro - B - F Series no. 1922 / 22.11.2016
- Real Estate Valuator Expert - ANEVAR Certification Authorization no. 13121
- Graduation Certificate - PROJECT MANAGER - issued by the Ministry of Labor, Family and Equal Opportunities and the Ministry of Education, Research and Youth, 2009, F Series no. 0240428

SIGNIFICANT PUBLICATIONS

Books:

1. Herbei O., Herbei M. - GEOGRAPHIC INFORMATION SYSTEMS. THEORETICAL FOUNDATIONS AND APPLICATIONS. Ed. Universitas Petroșani, I.S.B.N. 979774143, 2010
2. Herbei M., Ular R. – PREPARATION AND EDITING OF MAPS AND TOPOGRAPHIC PLANS, Ed. Dalami, Caransebeș, I.S.B.N.978-973-1717-42-5, 2011
3. Herbei O., Herbei M. - CARTOGRAPHIC PROJECTIONS Ed. Universitas Petroșani, I.S.B.N. 979774143, 2011
4. Herbei M. – GEOGRAPHIC INFORMATION SYSTEMS – APPLICATIONS, Ed. UNIVERSITAS, I.S.B.N. 978-973-741-333-8, 2013
5. Popescu C., Copacean L., Herbei M. – REMOTE SENSING. Theoretical Foundations, Ed. Eurostampa, ISBN 978-606-32-0080-9,, Timisoara, 2015
6. Herbei M., Herbei R. – MINING TOPOGRAPHY – LABORATORY MANUAL. Ed. Agroprint, Timisoara, 2015
7. Herbei M.. – GIS AND CARTOGRAPHIC MODELING, Ed. Universitas, Petrosani, 2015
8. Hebei M. , Smuleac A., Popescu C. - DIGITAL CARTOGRAPHY & MOBILE GIS, Ed. Mirton Timisoara, 2018
9. Hebei M. , Smuleac A., Popescu C. - MODERN METHODS OF ACQUISITION AND PROCESSING OF TOPOGODESIC DATA, Ed. Mirton Timisoara, 2018

71 ISI (WoS) indexed papers, 61 Scopus indexed papers

H indexWos = 10

H indexScopus = 8

H indexGoogleScholar = 25

MEMBER IN PROFESSIONAL ASSOCIATIONS

Romanian Society of Photogrammetry and Remote Sensing - SRFT

Association of Surveyors of Timis County - Vice President

National Association of Authorized Evaluators of Romania – ANEVAR

Romanian Environmental Association 1998 - Member of ENEP - European Network of Environmental Professionals