

## PERSONAL INFORMATION

**Mihai-Daniel Nita** <https://orcid.org/0000-0002-6072-7784> [mihai.nita@unitbv.ro](mailto:mihai.nita@unitbv.ro) Discord [mihaidanielnita](#)

## WORK EXPERIENCE

01/10/2012–Present

**Full Professor (Former: Assistant Professor, Associate Professor)**

Transilvania University of Brasov, Brasov (Romania)

High Education Teaching and Research in Forest Hydrology, Watershed Management, Hydrotechnical Constructions, Remote Sensing and GIS

01/06/2022–Present

**Corresponding Member (Former: Associate Member)**

Academy of Agricultural and Forestry Sciences "Gheorghe Ionescu-Sisesti" (A.S.A.S.)

Research and dissemination of top research in forestry (remote sensing and watershed management)

01/10/2008–Present

**Business partner (Former: Forest Technician, Forest Engineer)**

SC FOREST DESIGN SRL, Brasov (Romania)

Coordinating GIS projects, designing webGIS and Geoportals, coordinating research and development projects

01/07/2014–01/04/2015

**Member of Technical-Economical Commission from Waters and Forests Department**

Ministry of Environment and Climate Change, Bucharest (Romania)

Member of Technical-Economical Commission from Waters and Forests Department, acting as an advisory body in matters of promotion, implementation, financing and monitoring of investment in forest and water domain.

01/10/2016–01/03/2017

**Fulbright Visiting Professor**

University of Wisconsin-Madison, (USA)

Research in Remote Sensing in Forestry

01/06/2015–Present

**Editorial Board Member**

Remote Sensing, Forests, Bucovina Forestiera,

Review articles submitted to journal, coordinating special issues

## EDUCATION AND TRAINING

- 22/11/2018 **Habilitation in Agricultural and Forestry Sciences, Silviculture Branch**  
Transilvania University of Brasov, Brasov (Romania)
- 01/10/2008–01/10/2011 **PhD Diploma in Agricultural and Forestry Sciences, Silviculture Branch, Torrential watershed management Domain**  
Transilvania University of Brasov, Brasov (Romania)
- 19/09/2007–21/09/2007 **Environmental Governance in Eastern Europe**  
Jesus College, Oxford (United Kingdom)
- 01/10/2003–01/06/2008 **Forest Engineer**  
Faculty of Silviculture and Forest Engineering, Brasov (Romania)

## PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Spanish	A2	A2	A1	A1	A1
Russian	A1	A1	A1	A1	A2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

## Communication skills

- Good communication skills gained through my experience at Forest Design
- Excellent contact skills with students through my experience as Professor

## Organisational / managerial skills

- Leadership - currently responsible for a team of 8 people
- Good organisational skills gained as part of organizing committee for International Symposium "Forest and Sustainable Development" in 2008, 2010, 2012, 2014

## Job-related skills

Skills in GIS, Remote Sensing, Spatial Analysis, Research in Geomatics, Environmental Science, Cartography, Data Analysis, Spatial Databases

## Digital competence

- Very Good command of Geoprocessing tools and GIS software (ArcGIS, SagaGIS, QGIS)
- Very Good command of Remote Sensing software (ENVI, SCP, Orfeo Toolbox, GrassGIS)
- Very good command of office suite (word processor, spreadsheet, presentation software)

## ADDITIONAL INFORMATION

### Project manager

- 2024-2026 G4B: Grasslands for biodiversity: supporting the protection of the biodiversity-rich grasslands and related management practices in the Alps and Carpathians - Project manager UNITBV partner- Biodiversa+ UEFISCDI – 90k EUR out of 1,6 mil. EUR - [www.grass4b.com](http://www.grass4b.com)
- 2024-2027 DNSH2: The effects of torrent control dams on the geomorphology, soil and flora of the riverbed. Case studies in the watershed of the national forest managed by the National Forest Administration – ROMSILVA – Project Manager – NFA – Romsilva – 60 k EUR
- 2022-2027 ForestPaths - Co-designing Holistic Forest-based Policy Pathways for Climate Change Mitigation. Project Manager UNITBV. Horizon Europe. 130K EUR out of 5,6 mil. EUR - <https://forestpaths.eu/>
- 2022-2025 SDG-Eyes - Sustainable Development Goals – Enhanced monitoring through the family of copernicus Services - Project Manager FDR – Horizon Europe – 75K EUR out of 2.8 mil EUR = <https://sdgs-eyes.eu/>
- 2022 – 2023 DNSH1: Study of environmental effects due to torrent control structures located in small, predominantly forested watersheds – ROMSILVA – Project Manager – NFA Romsilva – 40k EUR <https://silvic.unitbv.ro/ro/admitere/admitere-masterat/451-dronsat.html>
- 2017 – 2018 DRONSAT: Quantifying the dynamics of forests in the long and short term by satellite remote sensing and aerial images taken by drones – Project Manager – UNITBV - 5k EUR
- 2018 – 2020 Academic support services for Rectify and Mosaic 700 Corona Satellite images - Project Manager - University of Wisconsin – Madison NASA Funded Project. 25k EUR <https://lcluc.umd.edu/projects/long-term-land-degradation-caucasus>
- 2014 – 2016 SEEAT Ecological solutions for managing torrential valleys from ROSCI0207 Postăvaru, ROSCI0195 Piatra Mare și ROSCI0038 Ciucaș protected sites. Project manager UNITBV – Funds covered by UEFISCDI 21k EUR out of 150k EUR
- 2012 GIS database of the forest areas managed by the RPL Padurile Fagarasului R.A. Forest Management Unit" - Funds covered by WWF (World Wide Fund) - Project manager – 5k EUR
- 2009 Hydrological mapping of the vegetation in order to establish the flood risk zones in predominantly forested watersheds – Fund covered by "8 band challenge"- Project Manager - Digital Globe - <https://datacollaboratives.org/cases/digitalglobe-8-band-research-challenge.html>

### Project member

- 2021 – 2023 HYPERCUBE 4.0 Moving Wood Measurement Towards a New Dimension" PN-III-P4-ID-PCE-2020-0401 Executive Unit for Financing Higher Education, Research, Development and Innovation (UEFISCDI)
- 2020 – 2022 BIOPREDICT Improving the accuracy and precision of biomass estimations for Fagus sylvatica L., from tree level to large area, using terrestrial laser scanning technology PN-III-P1-1.1-TE-2019-1744 Executive Unit for Financing Higher Education, Research, Development and Innovation (UEFISCDI)
- 2022 - A comparative study to estimate the accuracy of some wood measurement systems: TimSpect-Cind, Microtec and scanning by GeoSLAM technology
- 2022 - Research services for the development of the independent study and the National Forest Strategy 2020-2030, obligation established by the National Recovery and Resilience Program
- 2022 - Research services regarding the assessment of the contribution of different phases of forest development within a mosaic forest landscape, for the conservation of biodiversity
- 2021 – 2023 Innovative training approach in the technology assisted environment for water management – PARADOX
- 2021 – 2023 European Alliance on Interdisciplinary Learning and Business Innovation for Urban Forests (UFOREST)
- 2020 – 2022 - Alliance on Interdisciplinary Learning and Entrepreneurial skills in Green for Health and Social Inclusion - GREEN4C
- 2018 – 2020 Development of a European Study Programme: International Master's Degree for the Environmental Security Sector (ENSEC)
- 2018 – 2021 European Research and Enterprise Alliance on Marketing and Economics of Ecosystems and Biodiversity - ECOSTAR
- 2015 – 2016 GIS expert in "COREHABS - Ecological corridors for species and habitats in

## Romania" EEA Grants

- 2014 - 2015 MSc Degree on Management of Sustainable and Ecological Tourism (MEST) Funds covered by Erasmus Plus
- 2014 Consultant for conducting an analytical study on Forest Ecosystem Services (FES) in Moldova Funds covered by ENPI FLEG
- 2013 - 2016 European Islands Continue education on Resources Efficiency Virtual Gateway (VIREG) Funds covered by ERASMUS Plus
- 2013 Managing and conserving forests for multiple values Funds covered by UE
- 2012 - 2014 GIS expert in "Services for the development of scientific studies, inventories, maps (including GIS mapping) in ROSCI0395 sites" - Funds covered by Sectorial Operational Programme – Environment
- 2012 – 2014 Research member in Fundamentals and solutions for design and monitoring the torrent control works from predominantly forested watersheds – National Forest Administration
- 2012 – 2014 Forestry expert in Sustainable networks for the energetic use of lignocellulosic biomass in South East Europe (FOROPA) – Funds covered by The South East Europe Transnational Cooperation Programme
- 2012 - 2014 MSc Modules Programme in Environmental Security and Management-SEMP Funds covered by Erasmus Plus and Green Technology European Virtual Gateway-VITEG Funds covered by ERASMUS Plus
- 2012 Estimating the available beech, Norway spruce and silver fir wood to be harvested in east Romania Funds covered by Prinzhorn Holding GmbH
- 2012 GIS expert in "Developing a GIS database required for management plans for 10 Natura 2000 sites" - Funds covered by Sectorial Operational Programme - Environment
- 2010 - 2011 GIS expert in "Creating GIS spatial database for Vrancea, Covasna and Harghita" - Funds covered by LIFE 08 NAT/RO/500
- 2010 - 2013 GIS expert in "Services for the development of scientific studies, inventories, maps (including GIS mapping) in Defileul Jiului National Park" - Funds covered by Sectorial Operational Programme – Environment
- 2012 – GIS Hydrology expert "Improving the Financial Sustainability of the Carpathian System of Protected Areas" – Watershed protection in AP (soil stabilization, erosion control, water level fluctuation) and Disaster Risk Reduction value in AP - UNDP
- 2008 - 2012 GIS expert in "Development of new products derived from satellite data adapted to users in the management of hydro-meteorological risk situations. (RISCASAT)" - Funds covered by Executive Unit for Financing Higher Education, Research, Development and Innovation
- 2008 – 2011 Research member "New research on the behavior of the river network torrent control works in the upper basin of Tarlung (ID740)" - CNCSIS

## Publications

Web of Science Indexed Records (last 10 years)

- A half-century of land cover changes in the Caucasus derived from Corona spy satellite and Landsat images, Authors (11): Rizayeva, Afag; Nita, Mihai D. ... Radeloff, Volker C., Published: Mar 2025 in Regional Environmental Change, DOI: 10.1007/S10113-025-02360-6, Accession Number: WOS:001416151300001
- Analyzing the Accuracy of Satellite-Derived DEMs Using High-Resolution Terrestrial LiDAR, Authors (3): Mohamed, Aya Hamed; Keskes, Mohamed Islam; Nita, Mihai Daniel, Published: Dec 2024 in Land, DOI: 10.3390/LAND13122171, Accession Number: WOS:001387045900001
- The potential of historical spy-satellite imagery to support research in ecology and conservation Authors (12): Munteanu, Catalina; Kraemer, Benjamin M.; Nita, Mihai Daniel ... Kuemmerle, Tobias Published: Mar 2024 in BioScience DOI: 10.1093/BIOSCI/BIAE002 Web of Science accession number: WOS:001164249700001
- Tradeoffs and limitations in determining tree characteristics using 3D pointclouds from terrestrial laser scanning: A comparison of reconstruction algorithms on European beech (*Fagus sylvatica* L.) trees Authors (3): Florea, Sergiu-Constantin; Dutca, Ioan; Nita, Mihai-Daniel Published: 2024 in Annals of Forest Research Accession Number: WOS:001415847100012
- Exploring the association between adaptive and growth traits and withinindividual genetic diversity

- in common beech (*Fagus sylvatica*) Authors (12): Ciocirlan, Mihnea Ioan Cezar; Ciocirlan, Elena ... Curtu, Alexandru Lucian Published: 2024 in *Annals of Forest Research* DOI: 10.15287/AFR.2024.3885 Accession Number: WOS:001415847100010
- Measuring forest height from space. Opportunities and limitations observed in natural forests Authors (2): Baban, Gabriela; Nita, Mihai Daniel Published: Apr 2023 in *Measurement* DOI: 10.1016/J.MEASUREMENT.2023.112593 Web of Science accession number: WOS:000944425900001
  - Accuracy of a Smartphone-based freeware solution and two shape reconstruction algorithms in log volume measurements Authors (2): Nita, Mihai Daniel; Borz, Stelian Alexandru Published: Feb 2023 in *Computers and Electronics in Agriculture* DOI: 10.1016/J.COMPAG.2023.107653 Web of Science accession number: WOS:000924310400001
  - Impact of Iran's Forest Nationalization Law on Forest Cover Changes over Six Decades: A Case Study of a Zagros Sparse Coppice Oak Forest Authors (6): Heidarlou, Hadi Beygi; Shafiei, Abbas Banj; Nita, Mihai Daniel ... Lopez-Carr, David Published: Jan 2023 in *Sensors* DOI: 10.3390/S23020871 Web of Science accession number: WOS:000918960500001
  - Large-area, 1964 land cover classifications of Corona spy satellite imagery for the Caucasus Mountains Authors (3): Rizayeva, Afag; Nita, Mihai D.; Radeloff, Volker C. Published: Jan 2023 in *Remote Sensing of Environment* DOI: 10.1016/J.RSE.2022.113343 Web of Science accession number: WOS:001026037000001
  - Assessing the Fragmentation, Canopy Loss and Spatial Distribution of Forest Cover in Kakamega National Forest Reserve, Western Kenya Authors (3): Osewe, Erick O.; Nita, Mihai Daniel; Abrudan, Ioan Vasile Published: Dec 2022 in *Forests* DOI: 10.3390/F13122127 Web of Science accession number: WOS:000901346800001
  - Electronics, Close-Range Sensors and Artificial Intelligence in Forestry Authors (4): Borz, Stelian Alexandru; Proto, Andrea Rosario ... Nita, Mihai Daniel Published: Oct 2022 in *Forests* DOI: 10.3390/F13101669 Web of Science accession number: WOS:000875072000001
  - Does Slope Aspect Affect the Aboveground Tree Shape and Volume Allometry of European Beech (*Fagus sylvatica* L.) Trees? Authors (5): Dutca, Ioan; Cernat, Alexandra ... Nita, Mihai Daniel Published: Jul 2022 in *Forests* DOI: 10.3390/F13071071 Web of Science accession number: WOS:000831412100001
  - Using historical spy satellite photographs and recent remote sensing data to identify high-conservation-value forests Authors (7): Munteanu, Catalina; Senf, Cornelius; Nita, Mihai Daniel ... Kuemmerle, Tobias Published: Apr 2022 in *Conservation Biology* DOI: 10.1111/COBI.13820 Web of Science accession number: WOS:000715903000001
  - Testing Forestry Digital Twinning Workflow Based on Mobile LiDAR Scanner and AI Platform Authors (1): Nita, Mihai Daniel Published: Nov 2021 in *Forests* DOI: 10.3390/F12111576 Web of Science accession number: WOS:000727821700001
  - Capercaillie (*Tetrao urogallus*) habitat in Romania - A landscape perspective revealed by Cold War spy satellite images Authors (3): Stancioiu, Petru T.; Nita, Mihai D.; Fedorca, Mihai Published: Aug 2021 in *Science of the Total Environment* DOI: 10.1016/J.SCITOTENV.2021.146763 Web of Science accession number: WOS:000655619900001
  - Mapping Mature Post-Agricultural Forests in the Polish Eastern Carpathians with Archival Remote Sensing Data Authors (4): Jabs-Sobocinska, Zofia; Affek, Andrzej N. ... Nita, Mihai Daniel Published: May 2021 in *Remote Sensing* DOI: 10.3390/RS13102018 Web of Science accession number: WOS:000662536200001
  - Tree Shape Variability in a Mixed Oak Forest Using Terrestrial Laser Technology: Implications for Mating System Analysis Authors (3): Tomsa, Vladut Remus; Curtu, Alexandru Lucian; Nita, Mihai Daniel Published: Feb 2021 in *Forests* DOI: 10.3390/F12020253 Web of Science accession number: WOS:000622494400001
  - Ecological Monitoring with Spy Satellite Images-The Case of Red Wood Ants in Romania Authors (4): Klimetzek, Dietrich; Stancioiu, Petru Tudor ... Nita, Mihai Daniel Published: Feb 2021 in *Remote Sensing* DOI: 10.3390/RS13030520 Web of Science accession number: WOS:000615465500001
  - Economic Valuation of Carbon Storage and Sequestration in Retezat National Park, Romania Authors (3): Pache, Robert-George; Abrudan, Ioan Vasile; Nita, Mihai-Daniel Published: Jan 2021 in *Forests* DOI: 10.3390/F12010043 Web of Science accession number: WOS:000610241900001
  - Half a century of forest cover change along the Latvian-Russian border captured by object-based



- image analysis of Corona and Landsat TM/OLI data Authors (4): Rendenieks, Zigmars; Nita, Mihai D. ... Radeloff, Volker C. Published: Nov 2020 in Remote Sensing of Environment DOI: 10.1016/J.RSE.2020.112010 Web of Science accession number: WOS:000571214600001
- Cold War spy satellite images reveal long-term declines of a philopatric keystone species in response to cropland expansion Authors (9): Munteanu, Catalina; Kamp, Johannes; Nita, Mihai Daniel ... Kuemmerle, Tobias Published: May 2020 in Proceedings of the Royal Society B: Biological Sciences DOI: 10.1098/RSPB.2019.2897 Web of Science accession number: WOS:000541026500003
  - Torrential flood risk assessment and environmentally friendly solutions for small catchments located in the Romania Natura 2000 sites Ciucas, Postavaru and Piatra Mare Authors (8): Tudose, Nicu Constantin; Ungurean, Cezar; Nita, Mihai Daniel ... Davidescu, Adriana Published: Jan 2020 in Science of the Total Environment DOI: 10.1016/J.SCITOTENV.2019.134271 Web of Science accession number: WOS:000500580700088
  - Intentions to engage in forest law enforcement in Romania: An application of the theory of planned behavior Authors (3): Popa, Bogdan; Nita, Mihai Daniel; Halalisan, Aureliu Florin Published: Mar 2019 in Forest Policy and Economics DOI: 10.1016/J.FORPOL.2018.11.005 Web of Science accession number: WOS:000457324500004
  - PERFORMANCE OF SMALL-SCALE TECHNOLOGY IN PLANTING AND CUTBACK OPERATIONS OF SHORT-ROTATION WILLOW CROPS Authors (6): Borz, S. A.; Nita, M. D. ... Proto, A. R. Published: 2019 in Journal of the ASABE DOI: 10.13031/TRANS.12961 Web of Science accession number: WOS:000458745100016
  - Comparison of Global and Continental Land Cover Products for Selected Study Areas in South Central and Eastern European Region Authors (23): Manakos, Ioannis; Tomaszewska, Monika; Nita, Mihai Daniel ... Campbell, Petya Published: Dec 2018 in Remote Sensing DOI: 10.3390/RS10121967 Web of Science accession number: WOS:000455637600109
  - Forestland connectivity in Romania-Implications for policy and management Authors (3): Stancioiu, Petru Tudor; Nita, Mihai Daniel; Lazar, Gabriel Ervin Published: Jul 2018 in Land Use Policy DOI: 10.1016/J.LANDUSEPOL.2018.02.028 Web of Science accession number: WOS:000435619900047
  - Widespread forest cutting in the aftermath of World War II captured by broadscale historical Corona spy satellite photography Authors (5): Nita, Mihai Daniel; Munteanu, Catalina ... Radeloff, Volker C. Published: Jan 2018 in Remote Sensing of Environment DOI: 10.1016/J.RSE.2017.10.021 Web of Science accession number: WOS:000418464400023
  - Forests dynamics in the montane-alpine boundary: a comparative study using satellite imagery and climate data Authors (8): Dinca, Lucian; Nita, Mihai Daniel ... Monteiro, Antonio T. Published: Aug 2017 in Climate Research DOI: 10.3354/CR01452 Web of Science accession number: WOS:000408250000010
  - EVALUATION OF STREAM BED DYNAMICS FROM VIDAS TORRENTIAL VALLEY USING TERRESTRIAL MEASUREMENTS AND GIS TECHNIQUES Authors (3): Nita, Mihai-Daniel; Clinciu, Ioan; Popa, Bogdan Published: Jun 2016 in Environmental Engineering and Management Journal DOI: 10.30638/EEMJ.2016.149 Web of Science accession number: WOS:000383100900021
  - Historical forest management in Romania is imposing strong legacies on contemporary forests and their management Authors (4): Munteanu, Catalina; Nita, Mihai Daniel ... Radeloff, Volker C. Published: Feb 2016 in Forest Ecology and Management DOI: 10.1016/J.FORECO.2015.11.023 Web of Science accession number: WOS:000368753900017
  - Forest Ecosystem Services Valuation in Different Management Scenarios: a Case Study of the Maramures Mountains Authors (8): Popa, Bogdan; Borz, Stelian Alexandru; Nita, Mihai Daniel ... Abrudan, Ioan Vasile Published: 2016 in Baltic Forestry DOI: 10.1177/154193121005402813 Web of Science accession number: WOS:000392367900015
  - MAGNITUDE OF DAMAGE EVENTS ON HYDROTECHNICAL TORRENT CONTROL STRUCTURES Authors (3): Clinciu, Ioan; Petritan, Ion-Catalin; Nita, Mihai-Daniel Published: 2015 in Environmental Engineering and Management Journal DOI: 10.30638/EEMJ.2015.008 Web of Science accession number: WOS:000351589400008
  - More info at: <https://scholar.google.ro/citations?user=hBkhiNMAAAAJ&hl=ro>

### Books and chapters

- 2011 - Niță MD, Clinciu I., Construcții hidrotehnice în amenajarea bazinelor hidrografice : Îndrumar de lucrări practice. Specializarea Măsurători Terestre și Cadastru. Editura Universitatii Transilvania, Brașov. P 48. ISBN 978-973-598-981-1
- 2011 – Chapter in: Clinciu Ioan (red.), Cercetări privind lucrările de amenajarea rețelei hidrografice torențiale din bazinul superior al Tărlungului (amonte de acumularea Săcele), ISBN 978-973-598-989-7
- 2013 - Niță MD, Amenajarea bazinelor hidrografice montane situate în arii naturale protejate, Editura Lux Libris, ISBN 978-973-131-236-1
- 2013 - Tudose NC., Niță MD., Clinciu I. Results of Monitoring Torrent-Control Hydrotechnical Structures in the Cărcinov River Catchment. Capitol In: Kozak J., Ostapowicz K., Bytnerowicz A., Wyżga B. (eds) The Carpathians: Integrating Nature and Society Towards Sustainability. Environmental Science and Engineering. Springer, Berlin, Heidelberg. p.3. ISBN 978-3-642-12724-3
- 2014 – Chapter in: Clinciu Ioan (red.), Behaviour and effects of the torrential hydrographical management structures in a mountain watershed, Editura Universitatii Transilvania, ISBN 978-606-19-0372-6
- 2015 - Niță MD, Geographic Information Systems (GIS). Capitol in Practical Applications in Tourism Projects. Route Design and Cartographic Production. In: Arraiza, M.P., Lopez-Alarez, J.V., Garcia-Rodriguez, J.L. (eds) Management of Sustainable and Ecological Tourism. Madrid : Fundacion Conde del Valle de Salazar. P. 87. ISBN 978-84-96442-64-1
- 2017 - Niță MD, Clinciu I. Forest Management and Water in Romania. Capitol in: Pablo A. Garcia-Chevesich, Daniel G. Neary, David F. Scott, Richard G. Benyon, Teresa Reyna. (eds) Forest management and the impact on water resources: a review of 13 countries. United Nations Educational, Scientific and Cultural Organization, 7, place de Fontenoy, 75352 Paris 07 SP, France and UNESCO Regional Office for Sciences for Latin America and the Caribbean – UNESCO Montevideo. p. 9. ISBN 978-92-3-100216-8
- 2019 - Clinciu I., Niță MD. Corectarea Torenților (Torrent Control). Editura Universitatii Transilvania. p268. ISBN 978-606-19-1136-3
- 2020 - Șerban Octavian DAVIDESCU, Nicu – Constantin TUDOSE, Andrei ADORJANI, Cezar UNGUREAN, Victor – Dan PĂCURAR, Adriana Agafia DAVIDESCU, Margareta CRIVĂȚ, Ioan CLINCIU, Mihai – Daniel NIȚĂ, Corina GANCZ, Vasile OPREA, Ion – Catalin PETRIȚAN, Alin MIHALACHE, Mirabela MARIN. Estimarea torențialității bazinelor hidrografice mici și monitorizarea lucrărilor de amenajare a albiilor torențiale, pe baza indicilor de risc și de stare. Editura Silvica. p. 206. ISBN 978-606-8020-71-6

### Memberships

- **SouthCentral European Regional International Network (SCERIN)** - SCERIN is one of the regional networks of the GOF-C-GOLD panel. GOF-C-GOLD (Global Observation of Forest and Land Cover Dynamics) is a panel of GTOS. GTOS (Global Terrestrial Observing System) is a programme for observations, modelling, and analysis of terrestrial ecosystems to support sustainable development.
- **Romanian National Society of Soil Science (member since 2015)** - SNRSS encourage scientific research in all fields of soil science and promoting the practical application of its results
- **geo-spatial.org (member since 2008)** - geo-spatial.org explores the concepts, techniques and tools specific to geospatial community. Promotes usage of free and open source software solutions. The goal is to facilitate the access to geographic data and map in a way to become an universal tool of communication and registration of relations between social components (scientific, political, cultural, religious, economic) and their geospatial dimension.
- The "Gheorghe Ionescu-Sișești" Academy of Agricultural and Forestry Sciences (ASAS) is a specialized, autonomous public institution of academic consecration and scientific coordination, with legal personality, which operates according to its own statute under the Ministry

### Workshops, seminars and consultations

- Speaker: Fusing EO data for forest and land cover dynamics. From historical satellite images to 3D technologies. SKOLTECH Space Center Seminar, Moscow, Russia, 2019
- Trainer: Advanced classification methods with focus on Random Forest Classifier. Trans-Atlantic Training – Novi Sad 2019. Radar and Optical Remote Sensing in the Agricultural and Environmental Monitoring

- Trainer: Remote Sensing using Google Earth Engine. South Asia Regional Information Network (SARIN), 2018, Vientiane, Laos
- Trainer: Landsat time series in the forestry research Trans-Atlantic Training Integration of Radar and Optical Remote Sensing in Studying Land Cover/Land Use Change Zagreb, Croatia 7-11 June 2018
- Trainer: Remote Sensing using Google Earth Engine. South Asia Regional Information Network (SARIN), 2018, Bangkok, Thailand
- Erasmus Plus Visiting Scholar – “Using Computer Vision in monitoring torrent control dams”, 19-23 October 2015 – Madrid
- Trainer in "Applied geomatics in forestry" for Institute of Forest Research Chisinau, May 2015 -Moldova
- Organizer in “Sustainable networks for the energetic use of lignocellulosic biomass in South East Europe” 19 December 2014, Brasov
- Trainer in Seminar "Free and open source solutions for geospatial data processing and
- Trainer in seminar “GIS database application using the following software: Quantum GIS, PostgreSQL. PostGIS and PgAdmin as part of project for integrated management of Natura 2000 site Munții Făgăraș și Piemontul Făgăraș”, September 2014
- Trainer in Seminar "Free and open source solutions for geospatial data processing and representation", 2012, 2013, 2014, 2015 – Timișoara, Cluj Napoca
- Trainer in “Using 8 band multispectral satellite images” 1 – 6 September 2011, Lunca Muresului Natural Parc, Arad
- Torrential Watershed Management – Romanian Experience Workshop - May 2009, Escuela Technica Superior de Montes, Madrid
- Environmental Governance in Eastern Europe Workshop 19-21 September 2007, Jesus College, Oxford

15.05.2025