

ANEXA 4.1

Nume Prenume: BADEA, Gheorghe

Gradul didactic: Profesor univ.

Instituția unde este titular: UTCB

Facultatea: Geodezie

Departamentul: Topografie si Cadastru

LISTA**lucrărilor științifice în domeniul disciplinelor din postul didactic****A. Teza de abilitare și teza de doctorat****1. Teza de abilitare**

Badea, G. - Cadastru, infrastructuri de date geospațiale, standarde și metadate (Cadastru, Spatial Data Infrastructures, Standards and Metadata), 2018, Domeniul: Inginerie Geodezică

2. Teza de doctorat

Badea, G. - Contribuții privind utilizarea datelor cadastrale în sistemul informațional al teritoriului (Some Results in the Study of Using Cadastral Data in Land Information Systems), Teză de Doctorat, Universitatea Tehnică de Construcții București, Facultatea de Geodezie, Catedra de Topografie și Cadastru, iulie 2003 (Ph.D. Thesis, Bucharest Technical University of Civil Engineering, Faculty of Geodesy, Surveying and Cadastre Department, July, 2003).

B. Cărți și capitole în cărți publicate în ultimii 10 ani

1. Badea, G, 2025, Cadastru 2 Sisteme informaționale specifice domeniului de activitate, MS Teams, curs actualizat
2. Badea, G., 2024, Cadastru 1, MS Teams, curs actualizat
3. Badea, A.C., Badea, G., 2024, Aplicații Web GIS, MS Teams, curs actualizat
4. Badea, A. C., Badea, G, Răboj, D., Grădinaru, A.P., Ene, A. 2024, Reprezentări geometrice ale suprafețelor topografice – aplicații clasice și digitale, MATRIX ROM, Bucuresti, 2024, ISBN 978-60625-0953-8, 179 pag., în format tipărit și e-book
5. Badea, G., et al. 2017, Planificare spațială și GIS pentru dezvoltare durabilă – sinteze, vol. 1, Editura MATRIX ROM Bucuresti 2017, ISBN vol 1: 978-606-25-0379-6, Capitolele: Concepte 2D, 3D și analiză GIS, GIS open source, Standarde și geoportaluri de date spațiale (3 capitole de carte, coautor și editor coordonator)

6. Badea, G., et al. 2017, Planificare spațială și GIS pentru dezvoltare durabilă – aplicații, vol. 2, Editura MATRIX ROM Bucuresti 2017, ISBN vol 2: 978-606-25-0380-2, Capitolele: Concepte 2D, 3D și analiză GIS, GIS open source, Standarde și geoportaluri de date spațiale (3 capitole de carte, coautor și editor coordonator)
7. Badea, A.C., Badea, G., 2025, Sisteme informaționale specifice domeniului de activitate, îndrumător de aplicații practice, MS Teams, varianta actualizată
8. Badea, A.C., Badea, G., 2024, Cadastru 1, îndrumător de aplicații practice, MS Teams, varianta actualizată

C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

1. Paul Sestras, Gheorghe Badea, Ana Cornelia Badea, Tudor Salagean, Sanda Roșca, Shuraik Kader, Fabio Remondino, Land surveying with UAV photogrammetry and LiDAR for optimal building planning, Automation in Construction, Volume 173, 2025, 106092, ISSN 0926-5805, <https://doi.org/10.1016/j.autcon.2025.106092>, <https://www.sciencedirect.com/science/article/pii/S0926580525001323>
2. Sestras, P., Badea, G., Badea, A.C., Salagean, T., Oniga, V.E., Roșca, S., Bilașco, S., Bruma, S., Spalević, V., Kader, S., Billi, P., Nedevschi, S. (2025). A novel method for landslide deformation monitoring by fusing UAV photogrammetry and LiDAR data based on each sensor's mapping advantage in regards to terrain feature, 0013-7952, Engineering Geology 346 (2025) 107890, <https://doi.org/10.1016/j.enggeo.2024.107890> WOS 001400390200001
3. Grădinaru, A.P., Badea, A.C., Ene, A., Badea G. (2025). The integration of geospatial analyses based on AI in GIS in the context of the “15-minute city” concept. E3S Web of Conferences 608, 05008, EENVIRO 2024, DOI: <https://doi.org/10.1051/e3sconf/202560805008>
4. Frent, A.P., Badea, A.C., Dragomir, P.I., Badea, G. (2024). The impact of Public Law Restrictions in the field of constructions, Revista Română de Inginerie Civilă, Volumul 15 (2024), Numărul 3, <https://www.rric.ro/reviste/articole/vol15nr3art2.pdf>
5. Ene, A., Badea, A. C., Badea, G., Grădinaru, A. P. (2024). Urban Data Integrated Management and Scenario Development in the Context of Achieving SDG Indicators. RevCAD 36/2024, http://revcad.uab.ro/upload/57_914_05_ene_badea_badea_gradinaru.pdf
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7. G. Badea, A.C. Badea - Analysis on the Dynamics and Vulnerability of the Areas Covered by Forests, Harghita County, RevCAD Journal of Geodesy and Cadastre, 32/2022, ISSN 2068-5203, pp.17-26, http://revcad.uab.ro/upload/53_831_badea_badea.pdf

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Data:

10/05/2025

Semnătura: