

ANEXA 4.1

Nume Prenume: BADEA, Ana Cornelia

Gradul didactic: Profesor universitar

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**

“3D Modeling of the Real World – Cadastre, Real Estate Registration and GIS for Sustainable Development”, UTCB, 2017, Domeniul: Inginerie Geodezică

2. Teza de doctorat

„Contribuții la realizarea unui sistem informatic pentru integrarea cadastrului general și a cărții funciare”, UTCB, 2008

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

1. Badea, A.C., 2024, Reprezentări geometrice ale suprafețelor topografice, MS Teams, curs actualizat
2. Badea, A.C., 2025, Instituții de drept și legislație funciar cadastrală, 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 978-606-25-0953-8, 179 pag., în format tipărit și e-book
5. Badea, A. C., 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, A. C., 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

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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>
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