Departamentul de MĂSURĂTORI TERESTRE ŞI CADASTRU,
Facultatea de HIDROTEHNICĂ, GEODEZIE ŞI INGINERIA MEDIULUI,
Domeniul Inginerie geodezică

L I S T A D E L U C R Ă R I

Candidat: **ONIGA V. VALERIA-ERSILIA - Dr.**/ din 2013, **conferenţiar/** din 2018, **abilitată**/ din 2021, **profesor**/ din 2022

1º Teza de doctorat (T1, T2, etc.)

T1: Oniga Valeria-Ersilia - *„Studiu comparativ asupra metodelor de modelare 3D a zonei urbane", (295 pag. cu anexe),* Universitatea Tehnică de Construcţii Bucureşti, 2013, domeniul Inginerie Civilă, conducător doctorat Prof. univ. dr. ing. Dumitru Onose.

2º Cărţi/ cursuri/ manuale publicate în edituri recunoscute din ţară sau din străinătate (Ca1, Ca2 etc.), îndrumare publicate/culegeri de probleme (I1, I2 etc.), sisteme de laborator funcţionale etc. (D1, D2 etc.) cursuri proprii pe Web, sisteme e-learning etc. (W1, W2 etc.), după caz, precum şi alte lucrări (M1, M2 etc.) prin care se aduc *contribuţii la dezvoltarea activităţilor didactice/ profesionale.*

Ca	**Carte/ curs/ manual publicată în strainatate**	**Punctaj**
	Ca1. Oniga E. –***Comparative studies on methods for 3D modelling of urban area,*** ISBN 978-3-330-87728-3, Editions Universitaires Europeennes, **2017**	**7.8**
	Capitol carte/ curs/ manual publicat în străinătate	**Punctaj**
	Cap1. Oniga V.-E., Breaban A.-I.***Designing and Testing a 3D Calibration Test-Field for Digital Cameras Mounted on Unmanned Aerial Systems (UAS), in Prime Archives in Remote Sensing,*** ISBN: 978-93-90014-34-7	**1.4**
	Carte/ curs/ manual publicată în editură cu ISBN sau e-ISBN (unic/ prim autor sau co-autor)	**Punctaj**
	Ca2. Oniga E., Breaban A-I – ***Aplicaţii utilizând nori de puncte laser scaner aeropurtat,*** ISBN 978-606-25-0613-1, Matrixrom, Bucureşti, 115 pg., **2020** (2.9 p) **Ca3. Oniga E. (2019)** –***Fotogrammetria avansată,*** ISBN: 978-606-25-0476-2, Matrixrom, Bucharest, 240 pg., 2019 (6 p) **Ca4. Oniga E.**, Păun C.–***Aplicaţii Matlab pentru geomatică,*** ISBN 978-606-25-0352-9, Matrixrom, Bucureşti, 256 pg., 2017 (6.4 p) **Ca5.** Zăvoianu F., **Oniga E**.–***Fotogrammetria digitală,*** ISBN 978-606-25-0373-4, Matrixrom, Bucureşti, 323 pg., 2017 (8 p) **Ca6. Oniga E.** – ***Modelarea 3D a clădirilor prin fotogrammetria clasică şi digitală***, ISBN 978-606-687-119-8, Tehnopress, Iasi, 282 pg., **2014** (7 p)	**30.3**
I	**Îndrumar/ culegere de probleme (publicat sau disponibil pe Web)**	
	I1. **Oniga E.** –***Fotogrammetrie 1. Îndrumător de lucrări practice. (Partea I),*** ISBN 978-606-68-5749-9, Performantica, Iaşi, 52 pg., 2020 (1 p) **I2**. **Oniga E.** – ***Fotogrammetria digitală. Îndrumător de lucrări practice,*** ISBN 978-606-25-0346-8, Matrixrom, Bucureşti, 297 pg., 2017 (6 p)	**7**
D	**Sisteme de laborator funcţionale**	
	D1 – *Registraţia norilor de puncte LST utilizând transformarea conformă 3D, metoda Gauss-Helmert– disciplina de FOTOGRAMMETRIE 3*	**1.5**
	D2 – *Registraţia norilor de puncte LST folosind algoritmul „Iterative Closest Point"– disciplina de FOTOGRAMMETRIE 3*	**1.5**
	D3 –*Studiu comparativ privind registraţia norilor de puncte LST utilizând transformarea conformă 3D – disciplina de FOTOGRAMMETRIE 3*	**1.5**
	D4 –*Crearea unei reţele de pătrate pentru modelarea suprafeţei terenului – disciplina de FOTOGRAMMETRIE 2*	**1.5**
	D5 –*Crearea modelelor 3D ale terenului pe baza datelor LSA – disciplina de DATE SPAŢIALE DIN FOTOGRAMMETRIE ŞI TELEDETECŢIE*	**1.5**
	D6 –*Analize efectuate asupra zonei de studiu pe baza datelor LSA – disciplina de DATE SPAŢIALE DIN FOTOGRAMMETRIE ŞI TELEDETECŢIE*	**1.5**
	D7 –*Studiu comparativ privind delimitarea manuală a zonelor acoperite de vegetaţie şi delimitarea automată a acestora – disciplina de DATE SPAŢIALE DIN FOTOGRAMMETRIE ŞI TELEDETECŢIE*	**1.5**
W	**Utilizarea sistemelor de predare/ învăţare/ evaluare de tip e-learning/ on-line/ multimedia etc.**	

	W1 – Suport de studiu/ autoinstruire pentru disciplina de „*Fotogrammetrie – 1”* (curs, 78 pag.) (platforma e-learning Microsoft Teams, General | Fotogrammetrie 1 2023-2024 şi site-ul facultăţii HGIM- http://hgim.tuiasi.ro/index.php/ro/) (0.78 p)	**0.78**
	W2 – Suport de studiu/ autoinstruire pentru disciplina de „*Fotogrammetrie – 2”* (curs, 48 pagini) (platforma e-learning Microsoft Teams, General | Fotogrammetrie 2-An III 2023-2024 şi site-ul facultăţii HGIM- http://hgim.tuiasi.ro/index.php/ro/) (0.48 p)	**0.48**
	W3 – Suport de studiu/ autoinstruire pentru disciplina de „*Fotogrammetrie – 2”* (proiect, 59 pagini, 20 rânduri) (platforma e-learning Microsoft Teams, General | Fotogrammetrie 2 7304 an 2021-2022 şi site-ul facultăţii HGIM- http://hgim.tuiasi.ro/index.php/ro/) (0.39 p)	**0.39**
	W4 – Suport de studiu/ autoinstruire pentru disciplina de „*Fotogrammetrie 3”* (curs, 73 pag.) (platforma Microsoft Teams General | Fotogrammetrie 3 CURS (2021-2022)), 2021 (0.73 p)	**0.73**
	W5 – Suport de studiu/ autoinstruire pentru disciplina de „*Fotogrammetrie 4”* (curs, 146 pag.) (platforma Microsoft Teams General | Fotogrammetrie 4-Anul 4 MTC), 2021 (1.46 p)	**1.46**
	W6 – Suport de studiu/ autoinstruire pentru disciplina de „*Date spaţiale din fotogrammetrie şi teledetecţie”* (curs, 113 pag.) (platforma Microsoft Teams General | DSFT an universitar 2022-2023), 2021 (1.13 p)	**1.13**
	W7 – Suport de studiu/ autoinstruire pentru disciplina de „*Teledetecţie”* (curs, 110 pag.) (platforma Microsoft Teams General | Teledetectie 2023-2024), 2021 (1.10 p)	**1.10**

3º Cărţi/ capitole cărţi de specialitate publicate în edituri recunoscute din ţară sau din străinătate (Cb1, Cb2 etc.), articole/ studii publicate în reviste din ţară/ străinătate, cu factor de impact/ indexate în BDI/ neindexate în BDI (R1, R2 etc.), brevete de invenţie (B1, B2 etc.), creaţii artistice prezentate la manifestări recunoscute din ţară/ străinătate (A1, A2 etc.), articole/ studii publicate în volumele manifestărilor ştiinţifice naţionale/ internaţionale indexate BDI/ neindexate BDI (V1, V2 etc.), după caz, precum şi alte lucrări (N1, N2 etc.) prin care se aduc *contribuţii ştiinţifice la dezvoltarea domeniului.*

	Articole publicate în reviste cotate ISI, cu factor de impact	Punctaj
R	**R1.** Lavric, I; **Oniga, VE**; Loghin, AM; Covatariu, G; Males, GC **(2025)** – *Evaluating BIM and Mesh-Based 3D Modeling Approaches for Architectural Heritage: The Dosoftei House in Iasi City, Romania*, Applied Sciences, vol. 15, no. 17, art. no. 9409, 2025 (IF 2.9), DOI: 10.3390/app15179409 (1.2 p) **R2.** Loghin, AM; **Oniga, VE**; Chirila, C **(2025)** – *Exploring River Geomorphology Dynamics Using Airborne and Terrestrial Laser Scanning Technologies*, Environmental Engineering and Management Journal, vol. 24, no. 5, pp. 1055–1071, 2025 (IF 0.8), DOI: 10.30638/eemj.2025.081 (2 p) **R3.** Sestras, P; Badea, G; Badea, AC; Salagean, T; **Oniga, VE**; Rosca, S; Bilasco, S; Bruma, S; Spalevic, 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*, Engineering Geology, vol. 346, art. no. 107890, 2025 (IF 10.3), DOI: 10.1016/j.enggeo.2024.107890 (0.5 p) **R4.** Miron, CO; **Oniga, VE**; Loghin, AM; Nistor, S; Chirila, C; Lazar, AA; Macovei, M **(2024)** – *An In-Depth UAS-PPK Georeferencing Analysis at Different Flight Heights for an Urban Area*, IEEE Access, vol. 12, pp. 196533-196552, 2024 (IF 3.6), DOI: 10.1109/ACCESS.2024.3521991 (0.86 p) **R5. Oniga, V.-E.**; Loghin, A.-M.; Macovei, M.; Lazar, A.-A.; Boroianu, B.; Sestras, P. **(2023)** – *Enhancing LiDAR-UAS Derived Digital Terrain Models with Hierarchic Robust and Volume-Based Filtering Approaches for Precision Topographic Mapping*, Remote Sensing, 2024, 16(1), 78, publicat online în decembrie 2023 (IF 4.3), https://doi.org/10.3390/rs16010078 (1 p) **R6.** Breaban, A.-I.; **Oniga, V.-E.**; Chirila, C.; Loghin, A.-M.; Pfeifer, N.; Macovei, M.; Nicuta Precul, A.-M. **(2022)** – *Proposed Methodology for Accuracy Improvement of LOD1 3D Building Models Created Based on Stereo Pléiades Satellite Imagery*, Remote Sensing, 2022, 14(24), 6293 (IF 5.0), https://doi.org/10.3390/rs14246293 (0.86 p) **R7. Oniga, V.-E.**; Breaban, A.-I.; Pfeifer, N.; Diac, M. **(2022)** – *3D Modeling of Urban Area Based on Oblique UAS Images—An End-to-End Pipeline*, Remote Sensing, 2022, 14(2), 422 (IF 5.0), https://doi.org/10.3390/rs14020422 (1.5 p) **R8.** Pradeep G.S., Danumah Jean Homian, Nikhil S., Prasad Megha K., Patel Nilanchal, Mammen Pratheesh C., Rajaneesh A., **Oniga Valeria-Ersilia**, Ajin R. S., Kuriakose Sekhar L. **(2022)** – *Forest Fire Risk Zone Mapping of Eravikulam National Park in India: A Comparison Between Frequency Ratio and Analytic Hierarchy Process Methods*, Croatian Journal of Forest Engineering 43(1), pp. 22 (IF 3.2), DOI: 10.5552/crojfe.2022.1137 (0.6 p) **R9. E., Oniga**, A-I., Breaban, N. Pfeifer, C., Chirilă, **(2020)**- ***Determining the Suitable Number of Ground Control Points for UAS Images Georeferencing by Varying Number and Spatial Distribution,*** Remote Sensing *(IF 4.509)***, DOI: 10.3390/rs12050876** **R10. E., Oniga**, N. Pfeifer, A., Loghin, **(2018)** -***3D calibration test-field for digital cameras mounted on Unmanned Aerial Systems (UAS)***, *Remote Sens.* 2018, *10*(12), 2017; https://doi.org/10.3390/rs10122017. **R11. <u>ERSILIA ONIGA</u>,** CONSTANTIN CHIRILA **(2016), *Analogous vs. digital cameras for buildings 3D models creation,*** Environmental Engineering and Management Journal, Volume 15/2016, no. 6, pag. 1293-1303, June 2016, Iasi, Romania, ISSN 1582-9596 (3 p). R12. **<u>Oniga V. E.</u>**, DIAC M. **(2013)** – ***Metric and non-metric cameras calibration for the improvement of real-time monitoring process results***, Environmental Engineering and Management Journal, Volume 12/2013, no. 4, pag. 719-726, April 2013, Iasi, Romania, ISSN 1582-9596 (3 p). R13. MOCA V., POPIA A., **<u>ONIGA V. E.,</u>** SĂLCEANU G. **(2013)** – ***Analysis of deformations in cartographic projections used in cadastral works peformed in the city of Iasi,*** Environmental Engineering and Management Journal, Volume 12/2013, no. 4, pag. 699-708, April 2013, Iasi, Romania, ISSN 1582-9596 (1.5 p)	16.02
	Articol publicat în revistă indexata in baze de date internaţionale (BDI)	
	R14. Oniga V.-E., Crenganis L., Diac M., Chirila C. **(2020)** – *Overview on remote sensing methods and data sources for floods and landslides management*, Bulletin of the Polytechnic Institute of Iasi - Construction & Architecture Section, Tome 66 (70), Issue 4, pp. 59-70	0.75
	R15. Chirila C., **Oniga V.-E.**, Diac M., Crenganis L. **(2020)** – *Overview of Spatial Reference Systems for Hazard Risk Management in the NE Region of Romania*, Bulletin of the Polytechnic Institute of Iasi - Construction & Architecture Section, Tome 66 (70), Issue 4, pp. 85-98	0.75
	R16. Moca V., **<u>Oniga V.-E</u>**., Onu C., Macovei M., Oprea R., Hutanu C. **(2020)**- ***Analysis of the Deformations Recorded in the Extreme Geographical Administrative – Territorial Units of Romania Using the National 1970 Stereographic Projection System,*** American Journal of Engineering Research (AJER), Vol 9 (5), pp. 58-70.	**0.5**

	R17. A. Loghin, **E. Oniga,** C-R. Giurma-Handley, **(2018)** – ***3D point cloud classification of natural environments using Airborne Laser Scanning Data***, American Journal of Engineering Research, Volume-7, Issue-2, pp-191-197, e-ISSN: 2320-0847	**1**
	R18. Corina Daniela Păun, **Valeria-Ersilia Oniga**, Petre Iuliu Dragomir **(2017)** – ***Three-dimensional transformation of coordinate systems using nonlinear analysis-Procustes algorithm,*** International Journal of Engineering Sciences & Research Technology, 6(2):February 2017, pp. 355-363, DOI: 10.5281/zenodo.291839, ISSN: 2277-9655, Impact Factor: 4.116	**1**
	R19. N.V. Iurist (Dumitrașcu), **V.E. Oniga**, F.Statescu, C. Marcu **(2017)** – ***Floods Damage estimation using Sentinel-1 satellite images. Case study-Galati county, Romania,*** Journal of Geodesy and Cadastre RevCAD, no. 22, pag. 115-122, Alba Iulia, Romania, ISSN 1583-2279.	**0.75**
	R20. Daniela Corina Paun, **Valeria Ersilia ONIGA**, Petre-Iuliu Dragomir, Maximilian Diac **(2017)** – ***The remotely piloted aircraft system for 3D modelling of a cultural heritage building*** Journal of Geodesy and Cadastre RevCAD, no. 22, pag. 203-212, Alba Iulia, Romania, ISSN 1583-2279.	**0.75**
	R21. A. Loghin, I. Giurma, **E. Oniga (2017)** – ***Digital Surface Models derivation from Airborne Laser Scanning Data***, Journal of Geodesy and Cadastre RevCAD, no. 22, pag. 141-150, Alba Iulia, Romania, ISSN 1583-2279	**1**
	R22. **E. Oniga,** A. Savu, A. Negrilă **(2016)-*The evaluation of CloudCompare software in the process of TLS point clouds registration,*** Journal of Geodesy and Cadastre RevCAD, no. 21, pag. 117-124, Alba Iulia, Romania, ISSN 1583-2279	**1**
	R23. Ana-Maria LOGHIN, **Valeria Ersilia Oniga,** Martin Wieser **(2016), *Analysing and modelling terrain surface changes using airborne laser scanning data*,** World Journal of Engineering Research and Technology WJERT, Vol. 2, Issue 3, pag. 87-95, ISSN 2454-695X	**1**
	R24. Valeria Ersilia Oniga, Ana-Maria LOGHIN, Daniela Corina Paun **(2016), *Crashed vehicle profile creation based on digital close-range photogrammetry*,** World Journal of Engineering Research and Technology WJERT, Vol. 2, Issue 4, pag. 16-29, ISSN 2454-695X	**1**
	R25. Ana-Maria LOGHIN, **Valeria Ersilia ONIGA (2015)** - ***A comparative study on camera calibration algorithms,*** Journal of Geodesy and Cadastre RevCAD, no. 19, pag. 135-144, Alba Iulia, Romania, ISSN 1583-2279	**1.5**
	R26. Ana-Maria LOGHIN, Ajin.R.S, **Valeria Ersilia ONIGA (2015)** – ***The three-dimensional geodetic networks adjustment automation using Matlab,*** Journal of Geodesy and Cadastre RevCAD, no. 19, pag. 15-22, Alba Iulia, Romania, ISSN 1583-2279	**1**
	R27. Nicoleta-Violeta IURIST (DUMITRAȘCU), **Ersilia Valeria ONIGA**, Florian STATESCU **(2015)** – ***„Comparative study on digital terrain models created based on ALS data and Pleiades images",*** Journal of Geodesy and Cadastre RevCAD, no. 19, pag. 127-134, Alba Iulia, Romania, ISSN 1583-2279	**1**
	R28. Daniel George BUTNARIU, **Ersilia Valeria ONIGA**, Florian STATESCU **(2015)**- ***A new expeditious method for buildings 3D models creation,*** Journal of Geodesy and Cadastre RevCAD, no. 19, pag. 103-112, Alba Iulia, Romania, ISSN 1583-2279	**1**
	R29. LOGHIN ANA-MARIA., **Oniga Valeria Ersilia (2015)** - ***Digital images and total station measurements fusion for 3D buildings models creation***, Journal of Geodesy and Cadastre RevCAD, no. 18, pag. 64-71, Alba Iulia, Romania, ISSN 1583-2279	**1.5**
	R30. Daniel George BUTNARIU, **Ersilia Valeria ONIGA**, Florian STATESCU **(2015)**- ***Tracking down the modifications of the right bank of the Prut river in the territorial administrative unit of Prisacani commune-Iasi county***, revista "Lucrari Stiinţifice", Vol. 58 (1) 2015, seria Agronomie, pag.147-150, Iasi, Romania, electronic ISSN 2069-6727	**1**
	R31. Ersilia Valeria ONIGA, Mihaela CARDEI **(2015)**- ***Vertical accuracy evaluation of digital terrain models created based on line-following digitization of contour maps***, revista "Lucrari Stiinţifice", Vol. 58 (1) 2015, seria Agronomie, pag.171-176, Iasi, Romania, electronic ISSN 2069-6727	**1.5**
	R32. VALERIA ERSILIA ONIGA, MIRCEA-BARBU ONIGA **(2015)**, ***Testing the accuracy of different calibration methods,*** Journal of Geodesy, Cartography and Cadastre, Bucuresti, Romania, pag.8-17	**1.5**
	R33. Paun Corina Daniela, **Valeria Ersilia Oniga**, Ciobanu Laura Elena **(2015)**, ***Testing a new method of digital images acquisition in the process of 3D reconstruction of an object***, Journal of Geodesy, Cartography and Cadastre, Bucuresti, Romania, pag.28-36	**1**

	R34. ONIGA VALERIA ERSILIA, CORINA DANIELA PĂUN, MIHAELA CÂRDEI **(2015)** – ***Airborne laser scanning data for urban area analysis,*** Proceedings of the Biennial International Symposium. Forest and sustainable development, October 24-25, Brasov, Romania, pp. 322-327, ISSN 1843-505X.	**1**
	R35. LOGHIN ANA-MARIA., **ONIGA V. E. (2014)** - ***The influence of camera calibration parameters on 3D buildings models creation***, Journal of Geodesy and Cadastre RevCAD, no. 17, pag. 178-185, Alba Iulia, Romania, ISSN 1583-2279	**1.5**
	R36. **ONIGA V. E. (2014)** - ***A new method for buildings 3D models comparison***, Journal of Geodesy and Cadastre RevCAD, no. 17, pag. 60-67, Alba Iulia, Romania, ISSN 1583-2279	**3**
	R37. **ONIGA E.,** CHIRILA C. **(2013)** – ***Hausdorff distance for the differences calculation between 3D surfaces***, Journal of Geodesy and Cadastre RevCAD no. 15, pag. 193-202, ISSN 1583 – 2279	**1.5**
	R38. CORINA DANIELA PĂUN, **ONIGA V. E. (2013)** - ***ALS data for vegetation analysls***, Journal of Geodesy and Cadastre RevCAD, no. 15, pag. 329-337, Alba Iulia, Romania	**1.5**
	R39. **ONIGA VALERIA ERSILIA,** CRENGANIŞ (BARGAN) Loredana **(2012)** – ***3D representation of the topographical surfaces for the rehabilitation and development of the stock ponds,*** Volume 55, no. 1, series Horticulture, 2012, pag. 531-536, Iasi, Romania, ISSN 1454-7376	**1.5**
	R40. MOCA V., **ONIGA ERSILIA VALERIA**, CÂRDEI MIHAELA **(2012)** – ***Georeferentiation of the graphic fund for topographic plans drawn up on geodesic trapezia at general cadastral works***, Volume 55, no. 1, series Horticulture, 2012, pag. 525-530, Iasi, Romania, ISSN 1454-7376	**1**
	R41. **Oniga E.**, Chirilă C. **(2012)** – ***Complex roof structures generalized representation established by approximating the mathematical shape using the least – squares method***, Scientific Journal "Mathematical modeling in civil engineering", Vol. 8 – Nr. 4, pg. 178-187, Bucureşti (ISSN 2066-6926), December 2012.	**1.5**
	R42. **Oniga E.,** Chirilă C., Șuțu M. **(2012)** – ***Terrestrial laser scanner surveying versus total station surveying for 3D building model generation,*** Scientific Journal "Mathematical modeling in civil engineering", Vol. 8 – Nr. 4, pg. 168-177, Bucureşti, (ISSN 2066-6926), December 2012.	**1**
	R43. **ONIGA VALERIA ERSILIA (2011)** – ***Comparative study on methods for 3D modeling of urban areas – case study the "Department of terrestrial measurements and cadastre" building, Iaşi city***, Scientific Journal „Mathematical Modelling in Civil Engineering", Vol.7. no.4, pag. 188-197, December 2011, Bucharest, Romania, ISSN 2066-6926	**3**
	R44. VALERIU MOCA, **VALERIA ERSILIA ONIGA (2011)** – ***The adoption of some local stereographic projections in the general cadastre work from geographically extreme localities of Romania,*** Scientific symposium with international participation "Horticulture science, quality, variety, harmony - 60 years of higher education in Horticulture science on Iasi", 26 to 28 May 2011, U.S.A.M.V. Iasi, volume 54, Horticulture Series, "Ion Ionescu de la Brad" Editure, Iasi, (ISSN 1454-7376), page 543-550	**1.5**
	Articol/studiu publicat în revistă de specialitate neindexată în baze de date	
	R45. VALERIU MOCA, **VALERIA ERSILIA ONIGA (2010)** – ***Studies on deformations in 1970 stereographical projection and calculation of a local stereographic projection for the Radauti-Prut territory, Botosani***, Bul.I.P. Iasi, Tom LVI, Fasc 2, pages 25-36, Hydrotechnics section	**0.5**
	R46. ILIOI DUMITRU, **ONIGA ERSILIA**, SANDULACHE G. **(2010)** – ***The influence of tropospheric refraction in GPS determinations***, Bul. I.P. Iaşi, Tom LVI (LX), Fasc 3, Hydrotechnics section	**0.33**
	R47. HORAŢIU HOGAŞ., DUMITRU ILIOI, **ONIGA ERSILIA (2010)** – ***Considerations on parcel maps elaboration for cadastral sectors in rural administrative territories***, Bul. I.P. Iasi, Tom LVI (LX), Fasc. 2, Hidrotechnics section	**0.33**
V	**Articol/studiu publicat în volumul unei manifestări ştiinţifice indexate in baze de date internaţionale (BDI/ISI)**	
	V1. Loghin, A.-M., Crenganis, L.-M., Stoian, C., Olteanu-Raimond, A.-M., Garioud, A., **Oniga, V.-E.**, Rusu, B. **(2026)** – *Evaluation of the IGN FLAIR-HUB Model Transferability Performance for Land Cover Mapping in Iasi, Romania*, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLIX-B1-2026, 589–597, https://doi.org/10.5194/isprs-archives-XLIX-B1-2026-589-2026	0.57
	V2. Bannakulpiphat, T., Karel, W., Loghin, A.-M., **Oniga, V.-E.**, Pfeifer, N. **(2026)** – *Comprehensive Evaluation of Small-Format Multi-Head Camera Systems for 3D Topographic Mapping*, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLIX-B1-2026, 239–246, https://doi.org/10.5194/isprs-archives-XLIX-B1-2026-239-2026	0.8

	V3. Maleș, G.-C., **Oniga, V.-E.**, Lavric, I., Pfeifer, N., Hollaus, M. **(2026)** – *An Integrated Workflow for Urban Tree DBH Estimation from Handheld Mobile Laser Scanning (HMLS) Data*, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLIX-B1-2026, 33–40, https://doi.org/10.5194/isprs-archives-XLIX-B1-2026-33-2026	0.8
	V4. Maleș, GC; **Oniga, VE**; Lavric, I; Loghin, AM; Miron, CO; Pădure, D **(2025)** – *Performance Analysis of the Ouster OS1-32 LiDAR Sensor for Indoor Mapping*, 18th International Conference on Computational Civil Engineering (CCE 2025), Journal of Physics: Conference Series, vol. 3071, art. no. 012018, ISSN 1742-6588, 2025, DOI: 10.1088/1742-6596/3071/1/012018; indexat Scopus	0.67
	V5. Oniga, E., Boroianu, B., Morelli, L., Remondino, F., Macovei, M. **(2024)** – *BEYOND GROUND CONTROL POINTS: COST-EFFECTIVE 3D BUILDING RECONSTRUCTION THROUGH GNSS-INTEGRATED PHOTOGRAMMETRY*, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLVIII-2/W4-2024, 333–339, https://doi.org/10.5194/isprs-archives-XLVIII-2-W4-2024-333-2024	0.8
	V6. Oniga, V. E., Morelli, L., Macovei, M., Chirila, C., Breaban, A. I., Remondino, F., Sestraș, P. **(2023)** – *PPK processing to boost UAS accuracy in cadastral mapping*, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLVIII-1/W1-2023, 345–352, https://doi.org/10.5194/isprs-archives-XLVIII-1-W1-2023-345-2023	0.57
	V7. Ana-Ioana Breaban, **Valeria Ersilia Oniga**, Florian Statescu **(2021)** – *A machine learning approach for urban area mapping*, SGEM, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM Volume 21, Issue 2.1, Pages 391 – 398	1.33
	V8. ***Oniga, V. E., Breaban, A. I., Alexe, E. I., and Văsii, C.: INDOOR MAPPING OF A COMPLEX CULTURAL HERITAGE SCENE USING TLS AND HMLS LASER SCANNING, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLIII-B2-2021, 605–612, https://doi.org/10.5194/isprs-archives-XLIII-B2-2021-605-2021, 2021.***	**1**
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	V20. **ONIGA VALERIA ERSILIA (2012)** – ***Comparative study on methods for 3D modeling of urban areas,*** International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume XXXIX-B6, 2012, pag. 155-160, XXII ISPRS Congress, 25 August – 01 September 2012, Melbourne, Australia, eISSN 2194-9034, WOS:000358213300029	**4**
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	Articol/studiu publicat în volumul unei manifestări ştiinţifice neindexate în baze de date	
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	V23. VALERIU MOCA, **VALERIA ERSILIA ONIGA (2011) –*The deformations* analysis of *some cartographic projections, in the case of the localities from Romanian geographical extreme zones***, Works Volume of International Symposium "GEOPREVI 2011", 12 to 13 May 2011, Bucharest, Conspress Press, 2011 (ISBN 979	**0.5**
	V24. **VALERIA ERSILIA ONIGA**, LOREDANA BARGAN **(2010) – *Comparative analysis of the results of preliminary calculations for design process- case study – Ibaneasa III, Botosani county,*** International Symposium CMEQF-01, 23-27, Iasi, ISSN 2069-2145.	**0.5**

4. Proiecte de cercetare-dezvoltare (P1, P2 etc.) pe bază de contract/ grant, precum şi alte lucrări de cercetare-dezvoltare (F1, F2 etc.), după caz, prin care se *aduc contribuţii la dezvoltarea mediului educaţional/ cultural/ economic/ social etc.*

	Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câştigate prin competiţie naţională sau încheiate cu institute de cercetare, companii, regii, societăţi comerciale	**Punctaj**
P	**P1.** Contract tip Voucher (Cec) de Inovare, nr. 30CI/2026 (etapa 1), 2026 (49.830,00 lei) – responsabil proiect	
	P2. Contract tip Voucher (Cec) de Inovare, nr. 2CI/2026 (etapa 1), 2026 (49.736,00 lei) – membru	
	P3. EDIH 2.0: Powering Innovation and Public Sector Digital Transformation through AI and Deep Tech – From Romania to Europe, Contract DIGITAL-2025-EDIH-EU-EEA-08, nr. 101256750, 2025- (4.376.832,89 €) – membru	
	P4. Contract nr. MC125/08/11/2024 – tip UEFISCDI PN-IV-P2-2.2-MC-2024-0628, Proiecte de mobilitate pentru cercetători, stagiu la Department of Earth & Space Science & Engineering, Lassonde School of Engineering, Universitatea York din Toronto, Canada (10–16 noiembrie 2024) (14 280 RON) – responsabil proiect	
	P5. Contract nr. 30/20.09.2024 – tip UEFISCDI PN-IV-P2-2.2-MCD-2024-0362, Proiecte de mobilitate pentru cercetători cu experiență din diaspora (18–24 noiembrie 2024) (8 750 RON); aplicarea unor noi metode și algoritmi pentru calculul traiectoriei scanerului mobil și obținerea norului de puncte final (algoritm SLAM, senzor LiDAR Ouster OS1-32) – responsabil proiect	
	P6. Grant CNFIS-FDI-2024-F-0016 „Rethinking Skills for Internationalisation – iSKILLS", 09–12.2024 (400.000 lei) – membru	
	P7. Grant DIGITAL-2021-EDIH-01, eDIH-DIZ, 2023- (18.059.496 lei) – membru	
	P8. PN III – Proiecte de cercetare pentru stimularea tinerelor echipe independente (TE), contract nr. 142TE/2022, 10.05.2022–10.04.2024 (446.430 lei) – director proiect	
	P9. CONTRACT Grant – tip PN III-Cecuri de Inovare, cu titlul "Câmp inovativ de calibrare şi testare a camerelor digitale nemetrice montate pe platforme aeropurtate fără pilot (UAV)", finanţat prin contractul nr. 121CI/2017-49.464 RON	**8.4**
	P10. CONTRACT Grant – type PN III- Proiecte de mobilitate pentru cercetători, finanţat prin contract nr. 203/29.10.2019-director proiect (7109.67 RON)	
	P11. CONTRACT Grant – type PN III- Proiecte de mobilitate pentru cercetători, finanţat prin contract nr. 138/05.07.2018- director proiect (10.274 RON)	

	P12. Integrated Networks for Hazard Risk Management – HAZARM, 2SOFT/4.2.77/2020, fonduri UE, 2020-2023, (294000 euro) – membru	

Note:

(1) Fiecare lucrare este prezentată, în limba în care a fost publicată / expusă, corespunzător structurii "I, II, III, IV, V, VI", unde:

I - indicativul (T1, T2 etc.; Ca1, Ca2 etc.; …), care se scrie "bold" la lucrările realizate după acordarea ultimului titlu didactic/ grad profesional (**Ca1**, **I1** etc., după caz);
II - autorii în ordinea din publicaţie, cu scriere "bold" **a candidatului**;
III - *titlul*, scris "italic";
IV - editura sau revista sau manifestarea şi/sau alte elemente de localizare, după caz;
V - intervalul de pagini din publicaţie, respectiv, pp …-…, numărul total de pagini, respectiv, … pg., sau alte date similare, după caz;
VI - anul sau perioada de realizare, după caz;

(2) În cadrul fiecărui grup de lucrări (Ca1, Ca2 etc.; I1, I2 etc. ; …), lucrările sunt în ordine invers cronologică;
(3) În cazul în care o grupă de lucrări nu se regăseşte în activitatea candidatului, respectiva grupă poate fi eliminată din listă;
(4) Candidaţii au libertatea să completeze lista şi cu alte grupe de lucrări.

Data: **22.10.2026**

Candidat,
Prof. univ. dr. ing. habil. Oniga Valeria-Ersilia