

## IOSUD - UNIVERSITATEA „DUNĂREA DE JOS” DIN GALAȚI

### Memoriul științific al studentului doctorand

#### MEMORIU ȘTIINȚIFIC

Drd. **BALASAN I. DANIELA - LAVINIA**

#### Studii de doctorat

Perioada: **2019 - 2025**

Conducător științific: **Prof. univ. dr. ec. habil. BUHOCIU Florin – Marian**

Domeniul de doctorat: **Inginerie și management în agricultură și dezvoltare rurală**

Titlul tezei de doctorat: **DEZVOLTAREA ZONEI RURALE DIN REGIUNEA 2SE PRIN SCENARII DE FINANȚARE A NECESARULUI DE FORȚĂ DE MUNCĂ CALIFICATĂ**

#### Activitate științifică

##### A. Lista de lucrări științifice (articole în reviste sau volume)

Articole publicate în reviste cotate ISI Web of Science / Clarivate Analytics

1. Fertu, C., Dobrota L.M., **Balasan D.L.**, Stanciu, S., 2021, *Monitoring the vegetation of agricultural crops using drones and remote sensing - comparative presentation*, Scientific Papers Series “Management, Economic Engineering in Agriculture and Rural Development”, Vol. 21, Issue 2/2021.; pp 249 – 254, ISSN 2284-7995, E-ISSN 2285-3952, [https://sci.lidubgd.edu.ua/jspui/bitstream/123456789/8522/1/volume\\_21\\_2\\_2021.pdf](https://sci.lidubgd.edu.ua/jspui/bitstream/123456789/8522/1/volume_21_2_2021.pdf)  
[http://www.managementjournal.usamv.ro/pdf/vol.21\\_2/Art30.pdf](http://www.managementjournal.usamv.ro/pdf/vol.21_2/Art30.pdf).

Articole publicate în volumele unor manifestări științifice indexate ISI Web of Science / Clarivate Analytics

1. Ferțu, C., Dobrota, L.M., **Balasan, D.L.**, Stanciu, S., 2020, *Applications of Unmanned Aerial Vehicles in Romanian Agriculture: Past, Present, And Perspectives*, International Conference IBIMA “Vision 2025: Education excellence and management of innovations through sustainable economic competitive advantage” ISBN 978-0-999-8551-4-0, 35 Edition, 2020, 1-2 april, Seville, Spain, pp. 9743-9749, Ed. Soliman, K.S., ISBN: 978-0-9998551-4-0, WOS: 000661489800037, <https://ibima.org/accepted-paper/applications-of-unmanned-aerial-vehicles-in-romanianagriculture-past-present-and-perspectives/>
2. **Balasan D. L.**, Buhociu F.M., 2021, *Smart specialization strategies for rural development in the South – East Region*, 37 th IBIMA Conference: 30-31 May 2021, Cordoba, Spain, <https://ibimapublishing.com/p-articles/37ECO/2021/3796121/>

Articole publicate în jurnale / volume ale conferințelor științifice indexate în baze de date internaționale

1. **Balasan D. L.**, Buhociu F. M., 2025, „Sustainable agricultural development in the Southeast Region of Romania”, Journal of Agriculture and Rural Development Studies, Volume 2 – Issue 1 – 2025, ISSN Online 3061-2756, [chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://www.jards.ugal.ro/images/jards/journal/2025\\_1/Balasan\\_Buhociu.pdf](chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://www.jards.ugal.ro/images/jards/journal/2025_1/Balasan_Buhociu.pdf)
2. **Balasan D. L.**, Buhociu H. D., 2025, „Analysis of the rural Labour force in Romania’s South – East Region”, Journal of Agriculture and Rural Development Studies, Volume 2 – Issue 2 – 2025.
3. **Balasan D. L.**, Buhociu H. D., 2025, *From Rural Underdevelopment to Innovation: The Strategic Role of Skilled Labor in the South-East Development Region of Romania*, Journal of Agriculture and Rural Development Studies, Volume 2 – Issue 2 – 2025.
4. **Balasan D. L.**, Buhociu F. M., Ferțu C., 2022, *Strategies For The Development Of South – East Region In Correlation With The Development Of The Rural Labour Force*, Conference on Economic and Social



Development – Rabat (Morocco), March 2022,  
<https://www.proquest.com/openview/f5da4385268019462bff4c24e3a23281/1?pqorigsite=gscholar&cbl=2033472>

5. Ferțu C., **Balasan, D.L.**, Zanet, V., Stanciu, S., 2022, *The future of agriculture drone tehnology trends and prospects*, 79th International Scientific Conference on Economic and Social Development (25-26 March, 2022, Rabat, Maroc), pp. 68-76, Ed. Machrafi, M., Uekar, D., Susak., T., ISSN 1849-7535, <https://hdl.handle.net/11159/7649>.

6. Fertu, C., Zanet, V., **Balasan, L.**, Stanciu, S., 2022, *The revolution of traditional agriculture toward intelligent agriculture with the help of agricultural drones* – abstract, la Simpozionul de Agricultură și inginerie alimentară ”Life Science today for tomorrow”, (october 20-21, 2022, Iași, România. Lucrări științifice, seria Agronomie, nr. 65, sub egida editurii ”Ion Ionescu de la Brad”, ISSN 1454-7414, pp. 25-30, articol realizat în baza proiectului de cercetare – ”Program pentru creșterea performanțelor și inovării în cercetarea doctorală și postdoctorală de excelență – PROINVENT”, Contract nr. 62487/03.06.2022, POCU/993/6/13- Cod SMIS: 153299, [https://www.uaiasi.ro/revagrois/volum/Volum-65-2\\_2022.pdf](https://www.uaiasi.ro/revagrois/volum/Volum-65-2_2022.pdf).

7. **Balasan D. L.**, Buhociu F.M., 2020, *Tourism Evolution in Region 2SE*, Annals of ”Dunărea de Jos” University of Galați, April 2020, Fascicle I. Economics and Applied Informatics, [http://www.eia.feaa.ugal.ro/images/eia/2020\\_1/Balasan\\_Buhociu.pdf](http://www.eia.feaa.ugal.ro/images/eia/2020_1/Balasan_Buhociu.pdf)

8. **Balasan D. L.**, Buhociu F. M., Angheluță L. D., *Stage of research on rural development in Region 2SE in correlation with labour force development*, Annals of ”Dunărea de Jos” University of Galați, 2020, Fascicle I. Economics and Applied Informatics, [http://www.eia.feaa.ugal.ro/images/eia/2020\\_2/Balasan\\_Buhociu\\_Angheluta.pdf](http://www.eia.feaa.ugal.ro/images/eia/2020_2/Balasan_Buhociu_Angheluta.pdf)

9. **Balasan D.L.**, Buhociu F.M., Ferțu C., 2020, *Structure and dynamics of human resources in the 2SE region*”, The International Conference, The International Conference ”Present Issues of Global Economy” - 17th Edition (June, 25th and 27th), Ovidius University Annals, Economic Science Series Volume XX, Issue 1/2020, <http://stec.univ-ovidius.ro/html/anale/RO/2020/Section%202/3.pdf>

10. **Balasan D.L.**, Buhociu F.M., 2020, *Region Profile 2 SE: Rural Development and infrastructure*, International Conference Agriculture & Food, 26-29 August 2020, Burgas, Bulgaria, <https://www.scientific-publications.net/get/1000040/1599933282463928.pdf>

11. **Balasan D.L.**, Buhociu F.M., Ferțu C. 2020, *Analysis on rural development of Region 2 South – East*, The International Conference ”Present Issues of Global Economy” - 18th Edition December 2020, Ovidius University Annals, Economic Science Series, <https://stec.univ-ovidius.ro/html/anale/RO/wp-content/uploads/2021/03/Section%202/3.pdf>

12. **Balasan D. L.**, Buhociu F.M., 2020, *Agro Software Development in South – East Region*, Annals of ”Dunărea de Jos” University of Galați, December 2020, Fascicle I. Economics and Applied Informatics, [http://www.eia.feaa.ugal.ro/images/eia/2020\\_3/Balasan\\_Buhociu.pdf](http://www.eia.feaa.ugal.ro/images/eia/2020_3/Balasan_Buhociu.pdf)

13. **Balasan D. L.**, Buhociu D.H., 2020, *The Evolution of Economic Activity in the Rural Area of Region 2 South – East*, The 3rd International Conference on Resources Economics and Bioeconomy in Competitive Societies (RebCos’20) under the title Environmental Challenges, Innovative Technologies and Rural Areas in Digital Era, [https://www.shsconferences.org/articles/shsconf/pdf/2021/06/shsconf\\_rebcos2020\\_01007.pdf](https://www.shsconferences.org/articles/shsconf/pdf/2021/06/shsconf_rebcos2020_01007.pdf)

14. **Balasan D. L.**, Buhociu F.M., 2021, *Digitization of the South – East Region’s agricultural sector*, Conference: International Scientific Events: Agriculture & Food, Burgas, Bulgaria, 16-19 august 2021, <https://www.scientific-publications.net/get/1000046/1631958749558422.pdf>

15. **Balasan D.L.**, Buhociu F.M., Susanu I., Ferțu C., Buhociu D. H., 2021, *Increasing the competitiveness of the South – East Region in rural areas through innovative labor entrepreneurship based on digitalization*, International Conference Risk in Contemporary Economy, ”Dunărea de Jos” University of Galați, Faculty of Economics and Business Administration, <https://ideas.repec.org/a/ddj/fserec/y2021p386-392.html>



16. **Balasan D. L.**, Buhociu F. M., Rusu E. V. C., Buhociu D. H., 2020, *Strategies for the development of 2 South East Region in correlation with the development of the rural labour force*, SCDS UDJG, Galați, 10th and 11th of June 2020, <https://www.proquest.com/openview/f5da4385268019462bff4c24e3a23281/1?pqorigsite=gscholar&cbl=2033472>
17. **Balasan D. L.**, Buhociu F. M., Stanciu S., Angheluță L. D., 2020, *The South – East Region labour force in correlation with the entrepreneurial environment and the challenges of COVID-19*, SCDS – UDJG, Galați, 10th and 11th of June 2020, <http://www.cssd-udjg.ugal.ro/index.php/programme-21>
18. Buhociu F. M., **Balasan D. L.**, 2020, *The competitiveness of the 2SE Region through innovation and digitization of rural entrepreneurship*, SCDS – UDJG, Galați, 10th and 11th of June 2020, <http://www.cssd-udjg.ugal.ro/index.php/programme-21>
19. **Balasan D. L.**, Buhociu D. H., Ferțu C., 2021, *The current needs of the agrarian system in the SouthEast Region*, “Ovidius” University Annals, Economic Sciences Series, ISSN 2393-3127, <https://stec.univ-ovidius.ro/html/anale/RO/2021-2/Section%201%20and%202/8.pdf>
20. **Balasan Daniela – Lavinia**, Buhociu Florin – Marian, Ferțu Cristinel și Buhociu Dragoș, 2022, *Vocational and technical education in 2 South-East Region and its importance in the development of the labor force*, International Scientific Events: Economy & Business, în perioada 22 - 25 August 2022, orașul Burgas, țara Bulgaria, <https://ideas.repec.org/a/isp/journal/v16y2022i1p480-485.html>
21. Cristinel Fertu, **Daniela Lavinia Balasan**, Madalina Serban and Silviu Stanciu, 2021, *Intelligent Viticulture Tendencies and Perspectives in The Drone Technology*, Proceedings of the 38th International Business Information Management Association (IBIMA), ISBN: 978-0-99985517-1, ISSN: 2767-9640, 23-24 November 2021, Seville, Spain, p 1091-1091, <https://ibima.org/accepted-paper/intelligent-viticulture-tendencies-and-perspectives-in-the-drone-technology/>
22. **Daniela – Lavinia Balasan**, Florin – Marian Buhociu, Cristinel Ferțu, 2021, *The Impact of The Labor Force in The South – East Region During The COVID-19 Crisis*, Proceedings of the 38th International Business Information Management Association (IBIMA), ISBN: 978-0-99985517-1, ISSN: 2767-9640, 23-24 November 2021, Seville, Spain, p 2007-2012, <https://ibimapublishing.com/p-articles/COVID38ECO/2021/3838221/>
23. **Daniela – Lavinia Balasan**, Dragoș Horia Buhociu And Cristinel Ferțu, 2022, *The Main Indicators of Rural Development in The South-East Region*, Proceedings of the 39th International Business Information Management Association (IBIMA), ISBN: 978-0-99985518-8, ISSN: 2767-9640, 30-31 May 2022, Granada, Spain, p 2281-2288, <https://ibimapublishing.com/p-articles/39AGRI/2022/3955222/3955222.pdf>
24. Cristinel Fertu, **Daniela Lavinia Balasan** And Silviu Stanciu, 2022, *Impact of Satellite Remote Sensing Versus Multispectral Aerial Photography Remote Sensing with Agricultural Drones*, Proceedings of the 39th International Business Information Management Association (IBIMA), ISBN: 978-0-99985518-8, ISSN: 2767-9640, 30-31 May 2022, Granada, Spain, p 391-399, <https://ibima.org/accepted-paper/impact-of-satellite-remote-sensing-versus-multispectral-aerial-photography-remote-sensing-with-agricultural-drones/>
25. Cristinel Fertu, **Daniela Lavinia Balasan** And Silviu Stanciu, 2021, *Monitoring Agricultural Policy Using Drones Comparative Method : Satellites Versus Agricultural Drones*, Book of Proceedings at Economic and Social Development 76th International Scientific Conference on Economic and Social Development , ISBN: 9-771849-753006 , ISSN: 1849-7535, Zagreb, 17-18 December, Croatia, 2021, <https://www.proquest.com/openview/4ae56426aa433af4b9873d7196466b0b/1?pqorigsite=gscholar&cbl=2033472>
26. Cristinel Fertu, Vitali Zanet, **Daniela Lavinia Balasan**, Silviu Stanciu, 2022, *The revolution of traditional agriculture toward intelligent agriculture with the help of agricultural drones*, Proceedings of



Doctoral Schools Conference: Engineering and Management in Agriculture and Rural Development, (Galati , Romania, June 9-10, 2022), <https://www.uaiasi.ro/revagrois/PDF/2022-2/rez/04-rez.pdf>

## B. Cărți și manuale

1. Ferțu C., **Balasan L. D.**, Zanet V., Stanciu S., 2021, Monitorizarea stării de vegetație a culturii de lavandă cu ajutorul dronelor, în volumul conferinței Viabilitatea fermelor și dezvoltarea rurală durabilă în contextual actualelor priorități ale Uniunii Europene privind agricultura și mediul (București, Decembrie 8, 2021), pp. 15-26, Ed. Academiei Române, ISBN 978-973-27-3645-6.

## C. Participări la conferințe/workshop-uri

1. Balasan D. L., Buhociu D.H., Buhociu F. M., 2025, Financing scenarios for rural vocational training: a case study from Brăila County and insights for Romania's South-East Region, SCDS-UDJG 2025, Galați, 12th and 13th of June 2025, "Dunărea de Jos" University of Galati.
2. Balasan D. L., Buhociu D.H., Buhociu F. M., 2025, Mapping future rural occupations: an analysis of skilled labor needs in Romania's South-East Region, SCDS-UDJG 2025, Galați, 12th and 13th of June 2025, "Dunărea de Jos" University of Galati.
3. Balasan D. L., Buhociu D.H., Buhociu F. M., 2025, Rural Development in Romania's South-East Region through Skilled Workforce Financing Scenarios, SCDS-UDJG 2025, Galați, 12th and 13th of June 2025, "Dunărea de Jos" University of Galati.
4. Daniela – Lavinia Balasan, Florin – Marian Buhociu, Laura Delia Angheluta, 2020, Stage of research on rural development in Region 2SE in correlation with labour force development, SCDS - UDJG, Galați, 18th and 19th of June 2020, <http://www.cssd-udjg.ugal.ro/index.php/programme-2020>
5. Angheluță L. D., Buhociu F. M., Balasan D. L., 2020, Rural and regional development – influences and solutions in a european context, SCDS - UDJG, Galați, 18th and 19th of June 2020, <http://www.cssd-udjg.ugal.ro/index.php/programme-2020>
6. Daniela – Lavinia Balasan, Florin – Marian Buhociu, Cristinel Ferțu, 2020, Structure and dynamics of human resources in the 2SE region, The International Conference "Present Issues of Global Economy" - 17th Edition (June, 25th and 27th), Ovidius University Annals, Economic Science Series, <http://stec.univ-ovidius.ro/images/2020/conferinta/Program%20online%20PIGE%202020.pdf>
7. Balasan D. L., Buhociu F.M., 2020, Region Profile 2SE: Rural Development and infrastructure, International Conference Agriculture & Food, 26-29 August 2020, Burgas, Bulgaria, <https://www.sciencebg.net/en/conferences/agriculture-and-food/>
8. Balasan D. L., Buhociu F.M., 2020, Analysis of development, research and innovation in the rural space of the south east region, International Conference on Materials Science & Engineering December 8-9, 2020, [https://ugalmat.ugal.ro/images/2020/UGALMAT\\_2020\\_PROGRAMME\\_1.pdf](https://ugalmat.ugal.ro/images/2020/UGALMAT_2020_PROGRAMME_1.pdf)
9. Balasan D. L., Buhociu D.H., 2020, The Evolution of Economic Activity in the Rural Area of Region 2 South – East, The 3rd International Conference on Resources Economics and Bioeconomy in Competitive Societies (RebCos'20) under the title Environmental Challenges, Innovative Technologies and Rural Areas in Digital Era, <https://rebcos.eu/deadlines/>
10. Balasan D.L., Buhociu F.M., Ferțu C., 2020, Analysis on rural development of Region 2 South – East, The International Conference "Present Issues of Global Economy" - 18th Edition December 2020, Ovidius University Annals, Economic Science Series, <https://stec.univ-ovidius.ro/images/2020/conference/GEUC%20online%20program.pdf>
11. Buhociu F. M., Balasan D. L., 2020, The competitiveness of the 2SE Region through innovation and digitization of rural entrepreneurship, SCDS –UDJG, Galați, 10th and 11th of June 2020, <http://www.cssd-udjg.ugal.ro/index.php/programme-21>
12. Laura – Delia Angheluță, Florin – Marian Buhociu, Silviu Stanciu, Daniela – Lavinia Balasan, 2020, National recovery and resilience plan – a solution for local development, SCDS –UDJG, Galați, 10th and 11th of June 2020, <http://www.cssd-udjg.ugal.ro/index.php/programme-21>
13. Mihail Miron, Florin Marian Buhociu, Lavinia Balasan, Vitalii Zanet, 2020, Beekeeping production trends in the Republic of Moldova, SCDS –UDJG, Galați, 10th and 11th of June 2020, <http://www.cssd-udjg.ugal.ro/index.php/programme-21>



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14. Cristinel Ferțu, Liviu Dobrotă, Daniela – Lavinia Balasan, Silviu Stanciu, 2020, The future of agricultural drone technology in the context of the Covid 19 pandemic, SCDS –UDJG, Galați, 10th and 11th of June 2020, <http://www.cssd-udjg.ugal.ro/index.php/programme-21>
15. Cristinel Ferțu, Liviu Dobrotă, Daniela – Lavinia Balasan, Silviu Stanciu, 2020, The watchful eye of the field – agricultural drone, SCDS –UDJG, Galați, 10th and 11th of June 2020, <http://www.cssd-udjg.ugal.ro/index.php/programme-21>
16. Daniela – Lavinia Balasan, Florin – Marian Buhociu, Cristinel Ferțu, Dragoș Horia Buhociu, 2022, Vocational and technical education in 2 South-East Region and its importance in the development of the labor force, SCDS-UDJG 2022, Galați, 9th and 10th of June 2022, <https://ideas.repec.org/a/isp/journal/v16y2022i1p480-485.html>
17. Daniela – Lavinia Balasan, Florin – Marian Buhociu, Cristinel Ferțu, Dragoș Horia Buhociu, 2022, Labor force in 2 South-East Region. Comparative analysis regarding the labor force from 2South-East Region and Bucharest-Ilfov Region, SCDS-UDJG 2022, Galați, 9th and 10th of June 2022, <https://ideas.repec.org/a/isp/journal/v16y2022i1p472-479.html>
18. Cristinel Fertu, Daniela Lavinia Balasan, Madalina Serban And Silviu Stanciu, 2021, Intelligent Viticulture Tendencies and Perspectives in The Drone Technology, Proceedings of the 38th International Business Information Management Association (IBIMA), ISBN: 978-0-99985517-1, ISSN: 2767-9640, 23-24 November 2021, Seville, Spain, p 1091-1091, <https://ibima.org/accepted-paper/intelligent-viticulture-tendencies-and-perspectives-in-thedrone-technology/>
19. Ferțu C., Coadă (Nenciu) D., Balasan D. L., 2022, The pioneer of precision agriculture – agricultural crop analysis drone in the perspective of the legislative framework International Conference, Agricultural economics and rural development research on the topic "The european green deal challenges to agriculture and rural areas", București December 7, 2022, Institute of Agricultural Economics – Bucharest, Romania, pp 1-11, realizat în baza proiectului de cercetare – "Program pentru creșterea performanței și inovării în cercetarea doctorală și postdoctorală de excelență – PROINVENT" Contract nr. 62487/03.06.2022, POCU/993/6/13 – Cod SMIS: 153299, [https://www.eadr.ro/fisiere/conf.2022/Programul%20sesiunii%20IEA\\_ro\\_7%20dec.%202022.pdf](https://www.eadr.ro/fisiere/conf.2022/Programul%20sesiunii%20IEA_ro_7%20dec.%202022.pdf)

