

IOSUD - UNIVERSITATEA „DUNĂREA DE JOS” DIN GALAȚI

Memoriul științific al studentului doctorand

MEMORIU ȘTIINȚIFIC Drd. Bacalum Silviu

Studii de doctorat

Perioada: 01.10.2021 – 14.11.2025

Conducător științific: Prof.dr.ec. Vîrlănuță Florina Oana

Domeniul de doctorat: Management

Titlul tezei de doctorat: Strategii manageriale focalizate pe transformarea digitală în administrația publică locală.

Activitate științifică

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

1. David, S., Virlanuta, F. O., **Bacalum, S.**, Bărbuță-Mișu, N., & Mihai, I. O. (2025). Exploring Digital Transformation as a Catalyst for Institutional Agility in the Delivery of Public Services. Canadian Journal of Administrative Sciences/Revue Canadienne des Sciences de l'Administration.
<https://www.webofscience.com/wos/woscc/full-record/WOS:001469400000001>
2. Palamutcuoğlu, B., Çavuşoğlu, S., Çamlı, A., Virlanuta, F., **Bacalum, S.**, Züngün, D., & Moisescu, F. (2025). Solution of the Capacity-Constrained Vehicle Routing Problem Considering Carbon Footprint Within the Scope of Sustainable Logistics with Genetic Algorithm. Sustainability (Switzerland), 17(2).
<https://www.webofscience.com/wos/woscc/full-record/WOS:001405416300001>
3. Virlanuta, F. O., Barbuta-Misu, N., **Bacalum, S.**, David, S., & Moisescu, F. (2024) Digitalisation of public services in Romania. A correlational study. Transformations in Business & Economics, 23(2).
<https://www.webofscience.com/wos/woscc/full-record/WOS:001247516600003>
4. Pehlivan., P.; Aslan, AI.; David., S; **Bacalum., S.** (2024) Determination of Logistics Performance of G20 Countries Using Quantitative Decision-Making Techniques, Sustainability, Volume 16, Issue 5
<https://www.webofscience.com/wos/woscc/full-record/WOS:001183020800001>
5. **Bacalum S.**, David S., Mihiu M. (2022), Digital Transformation of Public Administration – A Comparative Analysis at European Union Countries, Annals of “Dunarea de Jos” University of Galati Fascicle I. Economics and Applied Informatics, Years XXVIII – no2/2022
http://www.eia.feaa.ugal.ro/images/eia/2022_2/BacalumDavidMihiu.pdf
<https://doi.org/10.35219/eai15840409276>
6. **Bacalum S.**, Virlanuta F.O., Mihailescu A., Mihiu M.(2022), Sustainable Development through Eco-Innovation at the EU 27 Level, Annals of “Dunarea de Jos” University of Galati, Fascicle I. Economics and Applied Informatics, Years XXVIII – no3/2022, ISSN-L 1584-0409
http://www.eia.feaa.ugal.ro/images/eia/2022_3/BacalumVirlanutaMihailescuMihiu.pdf
<https://doi.org/10.35219/eai15840409303>

B. Cărți și manuale

1. Capitolul Digital Transformation: a Premise for Enhancing Quality of Life in Europe în volumul International and multidisciplinary perspectives on quality of life, Coordonatori Ciprian-Mugurel Enache, Carmelia-Mariana Dragomir Bălănică, Galați University Press, 2025, ISBN (print - 2024) 978-606-696-318-3



C. Participări la conferințe/workshop-uri

1. Florina Oana Virlanuta, **Silviu Bacalum**, The impact of digital transformation in the public administration in Romania. Qualitative Approach, XII. International Strategic Research Congress (ISRC 2025), held in Antalya, Türkiye, 29 October – 1 November 2025, <https://antalya2025.isrc.com.tr/>
2. **Bacalum Silviu**, Virlănuță Florina Oana, Stoica Dimitrie 2025. Barriers and opportunities of digital transformation: insights from a qualitative study, ICCR 2025. <https://www.iccr.ugal.ro/wp-content/uploads/2025/11/1-Sectiunea-Economy-and-International-Business.pdf>
3. Stoica Dimitrie, **Bacalum Silviu**, Stoica Maricica 2025. The role of artificial intelligence (AI) in modelling business processes, ICCR 2025. <https://www.iccr.ugal.ro/wp-content/uploads/2025/11/1-Sectiunea-Economy-and-International-Business.pdf>
4. David Sofia, Florina Oana Virlanuta, **Silviu Bacalum**, Oana Mihai, Digital Transformation as a Catalyst for Institutional Agility: Exploring its Impact on Public Service Delivery and Beneficiaries', 20th Academy of Innovation, Entrepreneurship, and Knowledge Conference – INNOVATIVE AND MEANINGFUL KNOWLEDGE: TOWARDS A SUSTAINABLE BUSINESS, June 4-6, 2024 <https://www.aciek-academy.com/aciek-conference-2024/>
5. **Silviu Bacalum**, Public Administration in an Information Era. Challenges and Opportunities, International Conference European Integration – Realities and Perspectives, 18th Edition, 19-20th may 2023, Danubius University, Romania https://conferences.univ-danubius.ro/public/conferences/1/schedConfs/65/program-en_US.pdf
<https://conferences.univ-danubius.ro/index.php/EIRP/EIRP2023/paper/view/3145>
<https://www.dp.univ-danubius.ro/index.php/EIRP/article/view/442>
6. Florina Oana Virlanuta, Marian-Gigi Mihiu, **Silviu Bacalum**, Daniel Zinica, Cătălin Andrei Mihăilescu, Smart Cities Design in The Context of Digital Transformation, Dunarea de Jos University of Galati, Romania Participare la International Conference Risk in Contemporary Economy, XXIIIth Edition, 21 – 22 April 2023, Dunarea de Jos” University of Galati, Romania, Faculty of Economics and Business Administration, Research Center “Development Strategies of Competitive Economic Systems” <http://www.rce.feaa.ugal.ro/images/stories/RCE2023/brosura1.pdf>
7. Virlanuta Florina Oana, **Silviu Bacalum**, Correlational Study Regarding the Factors that Accelerate the Digitization of Public Services in Romania, 43rd EBES Conference – Madrid, 12 Aprilie -14 Aprilie 2023, Hosted by Faculty of Economics and Business Universidad Complutense Madrid, Spain <https://ebesweb.org/wp-content/uploads/2023/04/43rd-EBES-Conference-Program.pdf>
8. **Bacalum Silviu**, Digital transformation opportunities in Romanian public administration, International Strategic Research Congress (ISRC), 23-24 November 2023 <http://manisa2023.isrc.com.tr/wp-content/uploads/2023/11/isrc2023-kongre-programi-SON1-1.pdf>
9. **Bacalum Silviu**, eGovernment and Digital Public Services in European Union International Strategic Research Congress (ISRC) 2022, 17/18 November 2022, Manisa, <http://manisa2022.theisrc.com/wp-content/uploads/2022/11/ISRC2022Kongreprogram%C4%B1.pdf>
10. **Bacalum Silviu**, Virlanuta Florina Oana, Stanciu Silviu, Public sector digitalization. Evidence from Romania, International Strategic Research Congress (ISRC) 2021, Manisa Celala Bayar University, 26-31 Octombrie 2021, Antalya, Turcia <http://antalya2021.theisrc.com/index.php/en/isrc2021-28-31-october-2021/>
11. **Bacalum Silviu**, Two Democratic Societies in Transition: Exploring the Dynamics of a post-COVID World, 13-14 Septembrie 2021, Universitatea Danubius, Galați <https://conferences.univ-danubius.ro/index.php/TDST/>
12. Conference UGAL – Scientific and cultural dialogues, 18-28 octombrie 2021, derulată în cadrul proiectului Internationalisation for institutional development at the Dunărea de Jos University of Galați, CNFIS-FDI-2021-0349 <https://internationalizare.ugal.ro/index.php/en/events/ugal-scientific-and-cultural-dialogues>

D. Proiecte de cercetare științifică

1. Membru în echipa de cercetare a grant intern de cercetare Proiectarea unui biofiltru 3D din materiale inovative și realizat prin imprimare 3D pentru optimizarea filtrării biologice în acvacultura recirculantă, Contract grant intern de cercetare nr. GI 7949/31.03.2025, Universitatea ”Dunărea de Jos” din Galați.



E. Cursuri de perfecționare

1. Curs postuniversitar ”Program de formare psihopedagogică”, nivel I, 2025, organizat de Universitatea ”Dunărea de Jos” din Galați, Departamentul pentru pregătirea personalului didactic.
2. Curs de perfecționare ”Manager securitatea informației”, organizat de INCDI-ICI București, 2022, certificat de absolvire Seria N nr.0234304

F. Membru în comitete de organizare sau comitete științifice ale conferințelor/colective de redacție ale unor reviste

1. Membru în comitetul de organizare - Conferința internațională Interdisciplinarity and Cooperation in Cross-Border Research, November 18-19, 2024 I Chișinău, Republica Moldova
https://transfrontaliera.ugal.ro/files/2024-2025/ICCR_2024_Programme_EN_FINAL.pdf

Student-doctorand

Silviu Bacalum

