

**A N E X A 4 . 2****Nume Prenume:** Matei Oliviu**Gradul didactic:****Instituția unde este titular:** Universitatea Tehnică din Cluj Napoca**Facultatea:** de Inginerie**Departamentul:** Inginerie Electrică, Electronică și Calculatoare**L I S T A****lucrărilor științifice în domeniul disciplinelor din postul didactic****A. Teza de doctorat**

Aplicații teoretice și practice ale calculului evolutiv în rezolvarea problemelor de optimizare combinatorială, Universitatea Tehnică din Cluj-Napoca, 2012

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

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4. Oliviu Matei, *Design and Development of the Manura Robot*, Editura UTPress, 2014
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7. Chira, C., Matei, O., Pop, F., & Pop-Sitar, P. (Eds.), *Innovative Perspectives on Computational Intelligence and Data Science: First International Conference, InnoComp 2025, Cluj-Napoca, Romania, October 22–24, 2025, Proceedings*, Springer Nature, 2026

**A. Lucrări indexate ISI/BDI publicate în ultimii 10 ani**

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## B. Lucrari indexate BDI

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2. Pop, S., Lobonțiu, G., Matei, O., & Lobonțiu, M. (2020). Achieving resilience within communities through local currencies. *Review of Management and Economic Engineering*.
3. Anton, C. A., Matei, O., & Avram, A. D. (2019). Survey of collaborative data mining. *Carpathian Journal of Electronic and Computer Engineering*, 12(1), 9-12.
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#### E. Listă contracte de cercetare

1. COSA (2023 - 2026) (coordonator)

2. DIH4AI (2022 - 2023): **Using Smart Chatbots and Adaptive Ontologies for Improving Public Information Transparency for a Participative European Citizenship** (SCALE - <https://research.holisun.com/projects/digital-innovation-hub/scale>) (Membru în echipă)
  - Parteneri: HOLISUN SRL (leader), Transilvania Digital Innovation Hub.
3. ICT-AGRI-FOOD (2020 – 2023): **Unloding Data-Driven Innovation for Improving Productivity and Data Sharing in Mushroom Value Chain** (MUSHNOMICS – [www.mushnomics.org](http://www.mushnomics.org)) (Membru în echipă)
  - Parteneri: Holisun SRL (applicant principal), Pilze-Nagy Ltd, Department of Plant and Environmental Sciences, University of Copenhagen, University College Dublin
4. ICT-AGRI-FOOD (2020-2022): **A smart-sensing AI-driven platform for scalable, low-cost hydroponic units** (GOHydro – [www.gohydro.org](http://www.gohydro.org)) (Director/responsabil de proiect)
  - Partneri: SCiO Private Company, Department of Plant and Environmental Sciences, University of Copenhagen, Holisun SRL, Institute of Nanoscience and Nanotechnology, National Centre for Scientific Research “Demokritos”, University of Agricultural Sciences and Veterinary Medicine ClujNapoca (USAMV), Ingenno Design UG
5. Horizon 2020 (2020 - 2023): **Building Trust in Ecosystems and Ecosystem Components** (BIECO – [www.bieco.org](http://www.bieco.org)) (Director/responsabil de proiect)
  - Parteneri: Uninova - instituto De Desenvolvime, Fraunhofer Institute for Experimental Software Engineering, Consiglio Nazionale Delle Ricerche, Universitatea Tehnica Cluj Napoca, Fundación Centro Tecnológico de Telecomunicacións de Galicia, Universidad De Murcia, Resiltech Srl, Holisun SRL, Tttech Auto Ag, 7bulls.com Spolka Z Ograniczona, Interactive Fully Electrical Vehicles Srl
6. Horizon 2020 (2018 - 2021): **Software Development toolKit for Energy optimization and technical Debt elimination** (SDK4ED - <https://sdk4ed.eu/>) (Director/responsabil de proiect)
  - Parteneri: Centre for Research and Technology Hellas, Information Technologies Institute, Imperial College of Science, Technology and Medicine, London, University of Macedonia, University of Groningen, Institute of Communications and Computer Systems, CNet Svenska AB, Airbus DS SAS, Maxeler Technologies Limited, Neurasmus BV, TIOBE Software B.V., Holisun SRL
7. Eurostars (2018 - 2021): **Multi-cloud & serverless deployment optimization platform for data-intensive computing** (Functionizer - <https://research.holisun.com/projects/cloud-computing/e-functionizer>) (Director/responsabil de proiect)
  - Parteneri: 7bulls.com Spolka Z Ograniczona, Holisun SRL
8. Eurostars (2019 - 2021): **The Use of Big Data Analytics for Process Modelling in Smart Logistics Operations** (BIG-SMART-LOG - <https://research.holisun.com/projects/logistics-4-0/big-smart-log>) (Director/responsabil de proiect)
  - Parteneri: Ekol Lojistik, Technology Group, Centre for Research and Technology Hellas, Information Technologies Institute, Istanbul Sehir University, The John Paul II Catholic University of Lublin, Faculty of Mathematics, IT and Landscape Architecture, Holisun SRL
9. PN III (2013 - 2017): **Expert system for monitoring risks in agriculture and adapting conservative agricultural technologies to climate change** (MODSOIL - <https://research.holisun.com/projects/agriculture-4-0/modsoil>) (Director/responsabil de proiect)
  - Parteneri: University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Turda Agricultural Research and Development Station (SCDA Turda), University of Agronomic Sciences and Veterinary Medicine Bucharest (USAMV Bucharest), SC Nora Ly Agroserv SRL Viisoara, Cluj County, SC Holisun SRL
10. FP7 (2013 - 2017): **Collaborative Environment for Design of Aml enhanced Product-Services Integrating Highly Personalised Innovative Functions with Minimal Ecological Footprint along**



**Life Cycle and of Their Production Processes (ProSEco - <https://portal.effra.eu/project/1066> )**  
(Director/responsabil de proiect)

- Parteneri: FUNDACION TECNALIA RESEARCH & INNOVATION, ALBERDI MEKANIZATUAK SL, ELECTROLUX ITALIA S.P.A., Institute for Applied Systems Technology Bremen GmbH (ATB), KLOECKNER DESMA Schuhmaschinen GmbH, LEAN ENTERPRISE INSTITUTE POLSKA SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSC IA, ONA ELECTROEROSION, S.A., SEMANTIC SYSTEMS SL, TEKNOLOGIAN TUTKIMUSKESKUS VTT, TEKNOLOGIAN TUTKIMUSKESKUS VTT OY, THE UNIVERSITY OF SALFORD, Technical University of Cluj-Napoca, The Open Group Limited, UNINOVA - Instituto para o Desenvolvimento de Novas Tecnologias, Volkswagen AG

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**Semnătura**