

**CV – prof. univ. dr. MUNTEAN MIHAELA**  
**Universitatea de Vest din Timisoara**

**C.1 CURRICULUM VITAE**

**Personal information**

Name, Surname:	<b>Muntean, Mihaela</b>		
Date of birth:	28.10.1962	Sex:	F
Nationality:	Romanian		
Researcher unique identifier(s) (ORCID, Researcher ID etc.):	<a href="https://orcid.org/0000-0001-8428-4415">https://orcid.org/0000-0001-8428-4415</a>		
URL for personal website (if case):	<a href="https://scholar.google.com/citations?user=wwOf-18AAAAJ&amp;hl=ro">https://scholar.google.com/citations?user=wwOf-18AAAAJ&amp;hl=ro</a>		

**Education**

Year	Faculty/department - University/institution – Country
2009 (Ph.D. thesis defended)	Ph.D. in Cybernetics and Statistics (Business informatics)– Faculty of Economics and Business Administration – Babeş - Bolyai University Cluj-Napoca – Romania
1998 (Ph.D. thesis defended)	Ph.D. in Technical science – Faculty of Electrical Engineering – University of Craiova – Romania
1986	Bachelor in Automation and Computers Engineering (Software engineering) – Faculty of Electrical Engineering - “Politehnica” University of Timisoara – Romania

**Positions - current and previous**

*(Academic sector/research institutes/industrial sector/public sector/other)*

Year	Job title – Employer – Country
2002 – present	Professor – West University of Timisoara – Romania
1999 – 2002	Associated Professor – West University of Timisoara – Romania
1994 – 1999	Lecturer - West University of Timisoara – Romania
1991 – 1994	Assistant - West University of Timisoara – Romania

**Project management experience**

*(Academic sector/research institutes/industrial sector/public sector/other. Please list the most relevant.)*

Year	Project title - Role – link to project webpage
1.11.2023- 30.11.2023	UVT.EDU4Cybersecurity (Educație, performanță, competențe și colaborare în securitate cibernetică/Education, performance, skills and collaboration in cybersecurity) – CNFIS FSS-8835/7/2023 - <b>Cybersecurity expert</b> - <a href="https://avizier.uvt.ro/listing/anunt-selectie-echipa-proiect-uvt-edu4cybersecurity-2/">https://avizier.uvt.ro/listing/anunt-selectie-echipa-proiect-uvt-edu4cybersecurity-2/</a>
1.12.2022- 31.10.2025	KA220-HED-000086331 (Upskilling and certification scheme for virtual educators) VirtualEDU ERASMUS+ project - <b>Researcher in economics</b> - <a href="https://www.virtual-edu.eu/">https://www.virtual-edu.eu/</a>
1.12.2018- 31.08.2021	2018-1-RO01-KA204-049253 (Teaching and Educating for Sustainability) TeachSUS Erasmus+ project – Researcher in economy - <a href="https://www.teachsus.eu/about-the-project">https://www.teachsus.eu/about-the-project</a>

13.05.2014 – 13.05.2015	FSE-POSDRU/156/1.2/G/137499 "Dezvoltarea și modernizarea curriculei în domeniul Informaticii Economice" (DEZIE)/Development and modernization of the curriculum in the field of Economic Informatics, <b>UVT partner manager</b> - <a href="https://cyberknowledgeclub.org/projects/dezvoltarea-si-modernizarea-curriclei-in-domeniul-informaticii-economicedezie/">https://cyberknowledgeclub.org/projects/dezvoltarea-si-modernizarea-curriclei-in-domeniul-informaticii-economicedezie/</a>
01.10.2010 – 30.09.2013	FSE-POSDRU/87/1.3/S/63908 "Perfecționarea cadrelor didactice, din învățământul liceal, care predau discipline economice/The improvement of teaching staff in high school education, who teach economic subjects – <b>UVT partner manager</b> - <a href="https://fondurieuropea.centru.ubbcluj.ro/perfectionarea-cadrelor-didactice-din-invatamantul-liceal-care-predau-discipline-economice/">https://fondurieuropea.centru.ubbcluj.ro/perfectionarea-cadrelor-didactice-din-invatamantul-liceal-care-predau-discipline-economice/</a>
01.07.2010 – 30.06.2013	POSDRU/86/1.2/S/58160 „Sistem colaborativ integrat bazat pe cunoștințe pentru îmbunătățirea managementului universităților economice, în contextul Cadru Național al Calificărilor din Învățământul Superior” (SIMCE)/ Collaborative integrated system based on knowledge to improve the management of economic universities, in the context of the new National Framework of Qualifications in Higher Education – <b>UVT key expert</b> , <a href="http://www.simce.ase.ro/">http://www.simce.ase.ro/</a>
5.01.2010 – 30.10.2013	POSDRU/92/3.1/S/56330 - Academia de antreprenoriat bazat pe cunoaștere (AAC)/ Antreprenorial Academy based on Knowledge – <b>UVT key expert</b> - <a href="http://www.aac.ase.ro/">http://www.aac.ase.ro/</a>
2008-2010	Research project PN II tip P_C 92-100/2008 Sisteme colaborative pentru managementul proiectelor economice (SICOMAP)/ Collaborative systems for the management of economic projects – <b>UVT partner manager</b>
2007-2010	Research project PN II tip P_C 91-047/2007, Sisteme inteligente de asistare a deciziilor economice (SIDE)/Intelligent systems for supporting economic decisions – <b>UVT partner manager</b>
2006-2008	Research project CEEX tip P-CD M1-C2-550 - UNI-C Strategii, sisteme, metode și instrumente pentru managementul cunoașterii în universități/ Strategies, systems, methods and tools for knowledge management in universities – <b>UVT partner manager</b> - <a href="http://www.mct-excelenta.ro/fileadmin/mct/2006/eligibilitate/M1_C2_2006_ELIGIBILE_FINAL_A_SITE.pdf">http://www.mct-excelenta.ro/fileadmin/mct/2006/eligibilitate/M1_C2_2006_ELIGIBILE_FINAL_A_SITE.pdf</a>
2005-2007	Research project A_C 8/2005, Sisteme informationale colaborative in economia globala/ Collaborative information systems in the global economy – <b>UVT partner manager</b>

### Other relevant professional experiences

(e.g. institutional responsibilities, organisation of scientific meetings, membership in academic societies, review boards, advisory boards, committees and major research or innovation collaborations, other commissions of trust in public or private sector)

Year	Description - Role
2012 – 2023	Head of the Business Information System Department, Faculty of Economics and Business Administration, West University of Timisoara
2018 - present	Ph. D. supervisor in the field of Business Informatics, West University of Timisoara, Romania
2010-2018	Ph. D. supervisor affiliated with the doctoral school of Business Informatics, Academy of Economic Studies, Bucharest, Romania

2006-2012	associate teaching staff at the Academy of Economic Studies, Bucharest, Romania - holder of the discipline Multi-agent Systems/Multi-agent Platforms - IT&C Security Master Program, <a href="https://ism.ase.ro/about-us/partners-and-professors/">https://ism.ase.ro/about-us/partners-and-professors/</a>
2006-2010	Member of the CNADTCU specialized commission for the confirmation of the university titles in Romania
2018-present	Member of Association of Information Systems (AIS)
2008	The "Tudor Tănăsescu" Award of the Romanian Academy for the book Data Structures, ed. ASE, 2008
2011	Diploma of Excellence for attracting funds through national and international projects in the university year. 2009-2010, diploma awarded by West University of Timisoara
2012	Diploma of Excellence for attracting funds through national and international projects in the university year. 2010-2011, diploma awarded by West University of Timisoara
2015	Jubilee diploma in appreciation of the contribution to the development of economic science and practice in universities, diploma awarded by Romanian Association of Economic and Business Faculties (AFER), 2015
2017	Diploma of merit in recognition of the activity carried out as a teacher, scientific researcher and university manager, diploma awarded by the Romanian Scientific Society of Management, 2017
2018	Award of research results - Articles, UEFISCDI Competition 2018, Evaluation results_List 8 - Articles published in 2018_updated 07.12.2018
2019	Award of research results - Articles, UEFISCDI Competition 2019, Evaluation results_List of 7 Articles published in 2019_Updated 12.12.2019
2023	Award of research results – UEFISCDI Competition – Web of Science Articles 2023 - PN-IV-P2-2.3-PRECISI2023-71373
2020 – present	Reviewer - Algorithms, ISSN 1999-4893; Computers, ISSN 2073-431X; Future Internet, ISSN 1999-5903; Information, ISSN 2078-2489; Processes, ISSN 2227-9717; Knowledge Science, Engineering and Management, ISBN: 978-3-319-12096-6, Springer
2016 – present	Member in the editorial board/Scientific Committee - Informatica economica Journal, ISSN 1453-1305; Economy - Informatics Journal, ISSN 1582-7941; Database Systems Journal, ISSN 2069 – 3230

## C.2 Track record of the last 10 years

**A list of the ten most important scientific outputs (publications, patents, technologies etc).**

1. Wong, L.H.M, Hurbean,L., Davison, R. M., Ou, C.X. J., **Muntean, M.** (2022), *Working around inadequate information Systems in the workplace: An empirical study in Romania*, International Journal of Information Management, Vol. 64, 2022, ISSN 0268-4012, <https://doi.org/10.1016/j.jinfomgt.2022.102471>, AIS june2023 = 3,059
2. **Muntean, M.**, Militaru, F.D. (2022). *Design Science Research Framework for Performance Analysis Using Machine Learning Techniques*, Electronics. Special Issue “Advanced Machine Learning Applications in Big Data Analytics”, 11(16), 2505, AIS<sub>june2023</sub> = 0.401
3. Voicu, M.C., **Muntean, M.** (2023). *Mobile Learning and Technology Enhanced Learning during COVID-19*, Electronics. Special Issue “Mobile Learning and Technology Enhanced Learning during COVID-19”, 12(4), 938, AIS june2023 = 0.401

4. **Muntean, M.**, Voicu, M.C. (2023). *Entry Level Employees' Perception of the Work Environment During and After the COVID-19 Pandemic*, Economic Computation and Economic Cybernetics Studies, vol. 57, issue 3, ISSN 0424-267X, AIS<sub>june2023</sub> = 0.090
5. **Muntean, M.**, Brandas, C., Cristescu, M., Matiu. D (2021). *Improving Cloud Integration Using Design Science Research*, Economic Computation and Economic Cybernetics Studies, no. 1/2021, ISSN 0424-267X, AIS<sub>june2023</sub> = 0.090
6. **Muntean M.** (2018). *Business Intelligence Issues for Sustainable Projects*, Sustainability. Special Issue "Knowledge Management, Innovation and Big Data: Implications for Sustainability, Policy Making and Competitiveness", 10(2), 335, <https://doi.org/10.3390/su10020335>, AIS<sub>june2023</sub> = 0.526
7. **Muntean, M.**, Muntean C. (2013). Evaluating a Business Intelligence Solution. Feasibility Analysis based on Monte Carlo Method, Economic computation and Economic Cybernetics Studies and research, nr. 3, 2013, AIS<sub>june2023</sub> = 0.090
8. **Muntean M.**, Brandas, C., Cirstea T. (2019), Framework for a Symmetric Integration approach, Symmetry, vol. 11, issue 2, <https://doi.org/10.3390/sym11020224> , AIS<sub>june2023</sub> = 0.406
9. **Muntean, M.**, Dijmarescu, I. (2018). Sustainable Implementation of Access Control, Sustainability, 10(6), 1808, <https://doi.org/10.3390/su10061808>, AIS<sub>june2023</sub> = 0.526
10. Mircea, G., **Muntean, M.**, Neamtu, M. (2018). Analysis of a Congestion Model in a wireless access Network with One Bottleneck Router and in TCP Flows, Economic computation and Economic Cybernetics Studies and Research, n0. 3/2018, AIS<sub>june2023</sub> = 0.090

### C.3 Narrative CV

A narrative summarizing which work has had the greatest importance and impact.

Over the years I have been involved in teaching some fundamental subjects in the field of economic informatics and business information systems, namely Databases and Data warehouses; Decision Support Systems; Business Intelligence, Knowledge Management; Advanced Business Reporting; Collaborative Systems, Big Data and Data Analytics.

Main research interest and results have been obtained in the field of Business Intelligence and Data analytics (Big Data Analytics). The approaches were strong connected to decision support in the current business environment. Machine learning algorithms were targeted in order to make predictions in a turbulent environment that is exposed to security attacks. We proposed a methodological framework based on design science research (DSR) for the design and development of data and information artifacts in data analysis projects. Artifact engineering aspects for machine learning algorithms include security and control aspects of the processed data.

9.03.2024

prof. univ. dr. Muntean Mihaela

