




PERSONAL INFORMATION

Amelia BĂDICĂ



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 ameliabd@yahoo.com

Sex **Female**
 Date of birth **12/03/1967**
 Nationality **Romanian**

WORK EXPERIENCE

01.02.1991 – present	Junior Assistant, Assistant, Lecturer, Associate Professor, Full Prof., PhD.
	University of Craiova, Romania, Faculty of Economics and Business Administration, Statistics and Business Informatics Department
	Main activities:
	<ul style="list-style-type: none"> ▪ Teaching courses and labs – disciplines: Web Programming, Multimedia, eEconomy & eBusiness, Business Informatics, E-Marketing and Branding ▪ Supervising Bachelor's Degree and Dissertation Thesis ▪ Member of defending Bachelor's Degree and Dissertation Thesis committees ▪ Author and coauthor of university courses and practical guidelines ▪ Author and coauthor of articles in professional journals, conferences, and national and international symposiums ▪ Participation in research projects and European projects funds implementation
2012-2020, 2025-present	Head of Statistics and Business Informatics Department, University of Craiova, Romania
	University of Craiova, Romania, Faculty of Economics and Business Administration, Business Informatics Department
	Curriculum Design Syllabus Management Human Resources Dept. Management Management of Department Research
01.09.1990– 01.02.1991	Trainee Computer Engineer
	National Institute for Research, Development and Testing in Electrical Engineering, Craiova, Romania
	<ul style="list-style-type: none"> ▪ State-of-the art study ▪ Design of Software Architecture ▪ Software Implementation

EDUCATION AND TRAINING

2017	Habilitation Thesis in Business Informatics
1993 - 2003	Ph. D. Thesis in Management
	Ministry of Education, Research and Youth, Romania
	▪ Doctor of Economics, "Managerial System for Road Traffic in Craiova "
1985–1990	Master's Degree in Computer Engineering
	University of Craiova, Romania, Faculty of Automation and Computers

PERSONAL SKILLS

Native Language Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	C2
French	B2	C1	B2	B2	C1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient us

- Communication skills
- transmitting knowledge skills auditorium
 - ability to address the interdisciplinary fields
 - capacity to implement practical experience in economic research
 - capability to approach new areas of scientific research

- Organisational / managerial skills
- managerial skills gained from the experience of working in teams implementing projects financed from European funds, with management and executive positions
 - ability to organize work teams homogenous or heterogeneous, acquired through the activities working with students in the formation of professional teams working IT projects

Digital competence	SELF-ASSESSMENT				
	Information processing	Communication	Content creation	Safety	Problem solving
	Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Levels: Basic user - Independent user - Proficient user

[Digital competences - Self-assessment grid](#)

- very good command of office suite (word processor, spread sheet, presentation software)
- professional knowledge in programming languages: C, C++, Java, JS, php, HTML/CSS etc

Driving license

- Additional information
- **Publications Indexing:** 74 titles indexed in DBLP, 60 in SCOPUS, 14 in IEEE Explore, 28 in Springer Link and 64 in ISI Web of Knowledge.
 - **Academic Activity:** Scientific committee member at over 60 international conferences; editor of three international journals indexed in databases.
 - **Research Grants (Selected):**
 - o Intelligent software technologies for automatic construction of electronic product catalogs
 - o Hyperproc – hypermedia techniques for knowledge-based representation of organizational processes
 - o E-Commerce Supermarket System (EUREKA)
 - o Phare / E-learning training program in economics and informatics

LIST OF PAPERS - SELECTION 2020-2025

A. Books and chapters in books

1). Mirjana Ivanović, Aleksandra Klačnja-Milićević, Marcin Paprzycki, Maria Ganzha, Costin Bădică, **Amelia Bădică**, Lakhmi C Jain: *Current Trends in AI-Based Educational Processes—An Overview*. In: Ivanović, M., Klačnja-Milićević, A., Jain, L.C. (eds) *Handbook on Intelligent Techniques in the Educational Process. Learning and Analytics in Intelligent Systems*, vol 29. Springer, 2022

B. PhD Thesis

B.I. Habilitation Thesis:

Title: Formal Representations in E-Business

Bucharest Academy of Economic Sciences

Area: Business Informatics

Year: 2017

B.II. PhD Thesis:

Title: Managerial System Regarding Road Traffic Flow in Craiova City

University of Craiova

PhD Advisor: Prof. PhD Traian Sboră

Area: Management

Year: 2003

C. Articles published in International Journals

ISI indexed:

1. **Bădică, A.**; Bădică, C.; Logofătu, D.; Neremzoiu, I.-D. *Generalizations and Properties of Normalized Similarity Measures for Boolean Models*. *Mathematics* 2025, 13, 384. <https://doi.org/10.3390/math13030384>
2. **Amelia Bădică**, Costin Bădică, Ion Buligiu, Liviu Ciora, *Exploring the Blocks World State Space*, *Concurrency and Computation: Practice and Experience*, vol.34, nr. 1, Wiley, 2022
3. Saad, E.; Paprzycki, M.; Ganzha, M.; **Bădică, A.**; Bădică, C.; Fidanova, S.; Lirkov, I.; Ivanović, M. *Generalized Zero-Shot Learning for Image Classification—Comparing Performance of Popular Approaches*. *Information* 2022, 13, 561. <https://doi.org/10.3390/info13120561>
4. **Amelia Bădică**, Costin Bădică, Ion Buligiu, Liviu Ciora, Doina Logofătu, *Dynamic Programming Algorithms for Computing Optimal Knockout Tournaments*. *Mathematics* 2021, 9, 2480.
5. **Amelia Bădică**, Costin Bădică, Mirjana Ivanović, *Block Structured Scheduling Using Constraint Logic Programming*, *AI Communications*, vol. 33, no. 1, pp. 41-57, 2020, DOI: 10.3233/AIC-200650, <https://content.iospress.com/articles/ai-communications/aic200650>, IF 1
6. Costin Bădică, Florin Leon, **Amelia Bădică**, *Freight transportation broker agent based on constraint logic programming*. *Evolving Systems* 11, 363–382 (2020). <https://doi.org/10.1007/s12530-018-9230-3>

D. Articles Published in International Conference Proceedings:

D1. ISI indexed:

- 1). Z. Wrona, M. Ganzha, M. Paprzycki, S. Krzyżanowski, **A. Bădică** and S. Fidanova, *Scalability of Extended Green Cloud Simulator*, 2024 International Conference on INnovations in Intelligent SysTems and Applications (INISTA), Craiova, Romania, 2024, pp. 1-6, doi: 10.1109/INISTA62901.2024.10683841
- 2). I-D. Neremzoiu, **A. Bădică** and E. Ganea, *Track Recommender System Based on Lyrics, Audio and Popularity Features*, 2024 International Conference on INnovations in Intelligent SysTems and Applications (INISTA), Craiova, Romania, 2024, pp. 1-6, doi: 10.1109/INISTA62901.2024.10683831.
- 3). **Bădică, A.**, Bădică, C., Buligiu, I., Ciora, L.I., Ganzha, M., Paprzycki, M. (2024). *Solving the Mountain Car Problem Using Genetic Algorithms*. In: Lirkov, I., Margenov, S. (eds) Large-Scale Scientific Computations. LSSC 2023. Lecture Notes in Computer Science, vol 13952. Springer, Cham. https://doi.org/10.1007/978-3-031-56208-2_23
- 4). **Amelia Bădică**, Costin Bădică, Ion Buligiu, Liviu Ciora, Felix Petcușin, *Quantifying Blocks World State Space*, 2020 International Conference on INnovations in Intelligent SysTems and Applications (INISTA), Novi Sad, Serbia, 2020, pp. 1-7, doi: 10.1109/INISTA49547.2020.9194674
- 5). Costin Bădică, **Amelia Bădică**, Mirjana Ivanović, Ionuț Murărețu, Cristinel Ungureanu, *On the Role of Python in Programming-Related Courses for Computer Science and Engineering Academic Education*. In: Rocha Á., Adeli H., Reis L., Costanzo S., Orovic I., Moreira F. (eds) Trends and Innovations in Information Systems and Technologies. WorldCIST 2020. Advances in Intelligent Systems and Computing, vol 1161. Springer, Cham. https://doi.org/10.1007/978-3-030-45697-9_19
- 6). Arkadiusz Zaluski, Maria Ganzha, Marcin Paprzycki, Costin Bădică, **Amelia Bădică**, Mirjana Ivanović, Stefka Fidanova, *Experimenting with facilitating collaborative travel recommendations*, 23rd International Conference on System Theory, Control and Computing (ICSTCC), Sinaia, Romania, 2019, pp. 260-265, doi: 10.1109/ICSTCC.2019.8885795.

D2. Articles in International Publishing Houses:

- 1). Mirjana Ivanovic, Marcin Paprzycki, Maria Ganzha, Costin Badica, **Amelia Badica**: *Software Metrics for Agent Technologies and Possible Educational Usage*. Proceedings of the Fifth Workshop on Software Quality Analysis, Monitoring, Improvement, and Applications, SQAMIA 2016. CEUR Workshop Proceedings, vol. 1677, 17-27, 2016. URL: <http://ceur-ws.org/Vol-1677/paper03.pdf>

E. Papers Presented at International Scientific Conferences:

- 1). **Amelia Badica**, Costel Ionascu: *Progressive Web Apps – A New Approach in Web Development*, Competitiveness and Stability in the Knowledge-Based Economy, Craiova, 2021
- 2). **Amelia Badica**, Carmen Radu: *Artificial Intelligence Chatbots*, Competitiveness and Stability in the Knowledge-Based Economy, Craiova, 2021

Other scientific Achievements:

Citations / h-index

Web of Science: 7

Scopus: 9

Google Scholar: 13

Other:

Reviewer for ISI indexed journals

Member of Editorial Advisory Board

Data,

Semnătura,

25.11.2025