



## Arbana Kadriu



Faculty : **Contemporary Sciences and Technologies**  
Position : **Full Professor**

### Personal data

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### Languages

- **Albanian**, Native
- **Macedonian**, C2 - Proficient
- **English**, C1 - Advanced
- **German**, A2 - Elementary
- **Italian**, A1 - Beginner

## Education

- **Jun 2005 - May 2008: PhD in Computer Sciences**  
Faculty: Faculty of Natural Sciences and Mathematics, Institute of Informatics  
Ss. Cyril and Methodius University, Skopje, Macedonia  
Specialty: Natural Language Processing  
Thesis: "Analysis, Morphological Segmentation and Electronic Translation of Agentive Nouns"
- **1999 - 2002: MSc in Elec. Technic Sciences**  
Faculty: Electrotechnical Faculty  
Ss. Cyril and Methodius University, Skopje, Macedonia
- **1992 - 1997: Engineer of Informatics**  
Faculty: Faculty of Natural Sciences and Mathematics, Institute of Informatics  
Ss. Cyril and Methodius University, Skopje, Skopje, Macedonia

## Publications

- Arbana Kadriu, Kosovare Sahatqija, Lejla Abazi-Bexheti. **Using Bibliometric Analysis to Measure and Understand the Gender Gap in Published Computing Books**. In *International Journal of E-Services and Mobile Applications (JESMA)* 13(1), pp. 31-44. IGI Global, 1 / 2021.
- Lejla Abazi-Bexheti, Arbana Kadriu, Marika Apostolova. **Word Cloud Analytics of the Computer Science Research Publications' Titles over the Past Half Century**. In *Proceedings of MIPRO 2020*, pp. 977-982. MIPRO, Opatija, Croatia, 9 / 2020.
- Hyrmet Mydyti, Arbana Kadriu. **Using Internship Management System to Improve the Relationship between Internship Seekers, Employers and Educational Institutions**. In *Proceedings of ENTEnterprise REsearch InNOVation Conference - ENTRENOVA 2020*. Croatia, 9 / 2020.
- Arbana Kadriu, Lejla Abazi, Hyrije Abazi, Veland Ramadani. **Investigating Trends in Learning Programming using YouTube Tutorials**. In *International Journal of Learning and Change*, 12(2), pp. 190-207. Inderscience Publishers, 2020.

- Kosovare Sahatqija, Arbana Kadriu. **Exploring Gender Role in Co-authorship Networks for Computing Books: A case study in DBLP**. In *Proceedings of ENTERprise REsearch InNOVAtion Conference - ENTRENOVA*. Rovinj, Croatia, 9 / 2019.
- Arbana Kadriu. **Building an annotated corpus for Albanian using bilingual projections and regular expressions**. In *International Journal of Knowledge Engineering and Data Mining*, 6(2), pp. 105 - 121. Inderscience Publishers, 7 / 2019.
- Lejla Abazi, Arbana Kadriu, Marika Apostolova. **Investigating Gender Gap in Computer Science Research Community**. In *MIPRO 2019*. Opatija, Croatia, 5 / 2019.
- Marika Apostolova Trpkovska, Arbesa Kajtazi, Lejla Abazi Bexheti, Arbana Kadriu. **Applying Data Mining and Data Visualization within the Scope of Audio Data Using Spotify**. In *12th IADIS International Conference on Information Systems*. Utrecht, The Netherlands, 4 / 2019.
- Arbana Kadriu, Lejla Abazi, Hyrije Abazi-Alili. **Albanian Text Classification: Bag of Words Model and Word Analogies**. In *Business Systems Research*, Vol. 10 No. 1. DE GRUYTER, 3 / 2019.
- Arbana Kadriu, Nusret Haliti. **A business perspective on internet of things**. In *ENTRENOVA 6-8, September 2018, Dubrovnik, Croatia*. 9 / 2018.
- Lejla Abazi, Arbana Kadriu, Marika Apostolova. **Self learning trends in the field of introductory programming**. In *MIPRO 2018*. Opatija, Croatia, 5 / 2018.
- Lejla Abazi, Arbana Kadriu, Marika Apostolova, Edmond Jajaga, Hyrije Abazi. **LMS Solution: Evidence of Google Classroom Usage in Higher Education**. In *Business Systems Research*, Vol. 9 No. 1, 2018. 3 / 2018.
- Arbana Kadriu, Lejla Abazi. **Java: Hyrje në programimin e orientuar në objekte**. 2018. ISBN 978-608-248-024-4.
- Lejla Abazi, Hyrije Abazi, Edmond Jajaga, Arbana Kadriu, Marika Apostolova. **A Google Classroom-based Learning Management System: Empirical Evidence from SEEU**. In *ENTRENOVA 7-9, September 2017, Dubrovnik, Croatia, ENTRENOVA 7-9, September 2017*. 9 / 2017.
- Arbana Kadriu, Lejla Abazi. **A comparison of algorithms for text classification of Albanian news articles**. In *ENTRENOVA 7-9, September 2017, Dubrovnik, Croatia*. 9 / 2017.
- Arbana Kadriu, Nusret Haliti, Mensur Jusufi. **An approach for speed limit determination for vehicle tracking in case of GID ambiguity and lack of information in navigation maps**. In *International Journal of Pervasive Computing and Communications*, Volume 13(3), 2017, pp. 252-263. 9 / 2017.
- Lejla Abazi, Arbana Kadriu, Marika Apostolova. **Quantitative structured literature review of research on e-Learning**. In *MIPRO 2017, May 2017, Opatija, Croatia*. 5 / 2017.
- Lejla Abazi, Arbana Kadriu, Marika Apostolova. **Migration from in-House LMS to Google Classroom: Case of SEEU**. In *MIPRO 2016, May 2016, Opatija, Croatia*. 5 / 2016.
- Blerim Voca, Arbana Kadriu. **A Scheme for Albanian Language Processing**. In *DSC2015, September 2015, Thessaloniki, Greece*. 12 / 2015.
- Blerim Voca, Arbana Kadriu. **A Comparison Review of Natural Language Processing Frameworks**. In *4th International Conference on Business, Technology and Innovation, Durres, Albania, November 2015*. 11 / 2015.
- Arbana Kadriu, Lejla Abazi. **Topic Modelling for Education in Computing**. In *International Conference on e-Learning'15, September 2015, Berlin, Germany*. 9 / 2015.
- L. Abazi, M. Apostolova, A. Kadriu. **Learning Management Systems: Trends and Alternatives**. In *MIPRO 2014/CE, Opatija, June 2014, Croatia*. 6 / 2014.

- Kadriu, A. **NLTK Tagger for Albanian using Iterative Approach**. In *Proceedings of ITI 2013*. Cavtat, Croatia, 6 / 2013.
- Kadriu, A. **Discovering Value in Academic Social Networks: A case study in ResearchGate**. In *Proceedings of ITI 2013*. Cavtat, Croatia, 6 / 2013.
- Arbana Kadriu, Lejla Abazi. **Solved problems in C++**. Tetovo, Macedonia, 5 / 2013. ISBN 978-608-4503-83-5.
- Kadriu, A., Saveska, M., Abazi, L. **E-Government exploration using social network analysis methods**. In *International Journal of Humanities and Management Sciences (IJHMS)*, 1(2) (2013), pp. 151-154. 2013. ISBN 2320-4044.
- Abazi, L., Apostolova, M., Kadriu, A. **Measuring and Enhancing the Quality of Online Teaching and Learning**. In *International Journal of Humanities and Management Sciences (IJHMS)* 1(2). 2013. ISBN 2320-4044.
- Abazi, L., Kadriu, A. **Assessment of online teaching and learning**. In *Proceedings of International Conference DisCo 2013, New technologies and media literacy education*. Prague, Czech Republic, 2013.
- Kadriu, A., Abazi, L. **Educating a creative and competitive tech generation**. In *Proceedings of International Conference DisCo 2013, New technologies and media literacy education*. Prague, Czech Republic, 2013.
- Arbana Kadriu, Lejla Abazi. **Ushtrime të zgjidhura në C++**. Tetovo, Macedonia, 2013. ISBN 978-608-4503-85-9.
- Kadriu, A., Abazi, L. **Co-authorship Networks of Bibliographical Data**. In *Proceedings of International Conference. INFORMATION SYSTEMS AND TECHNOLOGY INNOVATIONS: THEIR APPLICATION IN ECONOMY*. Tirana, Albania, 2012.
- Abazi, L., Kadriu, A., Apostolova, M. **Learning Management Systems: Current Trends and Future Directions**. In *Proceedings of International Conference. INFORMATION SYSTEMS AND TECHNOLOGY INNOVATIONS: THEIR APPLICATION IN ECONOMY*. Tirana, Albania, 2012.
- Kadriu, A., Abazi, L. **Curricula Design for Computer Sciences: Shrinking the Gap Between Business Needs and Academy**. In *National Higher Education Conference at SEEU - Quality of Learning and Teaching: Policy and Practice*. Tetovo, Macedonia, 2012.
- Abazi, L., Apostolova, M., Kadriu, A. **The evaluation of the quality of online courses**. In *Proceedings of International Conference on Education and New Learning Technologies*. Barcelona, Spain, 2012.
- Kadriu, A. **An Approach in Designing News Engine for Local News Agencies..** In *Proceedings of IASTED International Conference on Internet and Multimedia Systems and Applications*. Washington DC, USA, 2011.
- Abazi, L., Apostolova, M., Kadriu, A. **Establishing Distance Education: The tools, challenges and experiences**. In *Proceedings of WSEAS International Conference on RECENT RESEARCHES in APPLIED INFORMATICS*. Prague, Czech Republic, 2011.
- Ahmedi, L., Abazi, L., Kadriu, A. **A Uniform Semantic Web Framework for Co-Authorship Networks**. In *Proceedings of SCA 2011*. Sydney, Australia, 2011.
- Kadriu, A. **Modeling a Two-Level Formalism for Inflection of Nouns and Verbs in Albanian**. In *Modelling, Simulation and Optimization*. InTech, 2010. ISBN 978-953-7619-36-7.
- Kadriu, A., Ahmedi, L., Abazi, L. **Morphological Segmentation of Nouns Using an Inductive Logic Programming System**. In *Proceedings of 9th WSEAS International Conference on TELECOMMUNICATIONS and INFORMATICS (TELE-INFO '10)*. Catania, Sicily, Italy, 2010.
- Abazi, L., Kadriu, A., Ahmedi, L. **Measurement and Assessment of a Learning Management System Usage**. In *Proceedings of The 6th WSEAS/IASME International Conference on EDUCATIONAL TECHNOLOGIES (EDUTE '10)*. Kantaoui, Sousse, Tunisia, 2010.
- Kadriu, A. **Application of a machine learning algorithm to model the declension of the albanian nouns**.

- Innsbruck, Austria, IASTED International Conference.** In *Proceedings of IASTED International Conference, AIA 2009*. Innsbruck, Austria, 2009.
- Kadriu, A. **Open Source Software & Natural Language Processing.** In *Kosova Software Freedom Conference 2009*. Prishtine, Kosove, 2009.
  - Arbana Kadriu. **Application of a machine learning algorithm to model the declension of the Albanian nouns.** In *Proceedings of IASTED International Conference, AIA 2009. Innsbruck, Austria, 2009*. 2009.
  - Kadriu, A., Zdravkova, K. **Semi-automatic Learning of Two-Level Phonological Rules for Agentive Nouns.** In *Proceedings of UKSim 2008*. UK, 2008.
  - Arbana Kadriu. **Modelling and Statistical Processing of a Text Corpus Gained From The Web.** In *3rd Balkan Conference in Informatics (BCI'2007), Sofia, Bulgaria.. 2007*.
  - Arbana Kadriu. **Using Two-Level Morphology to Recognize Derived Agentive Nouns.** In *European Computing Conference (ECC'07) In Vouliagmeni, Athens, Greece. 2007*.
  - Arbana Kadriu, Lejla Abazi. **ICT at South East European University.** In *ITI, 2006; Cavtat, Croatia. 2006*.
  - Arbana Kadriu. **Analysing Agentive Nouns.** In *ITI, 2006; Cavtat, Croatia. 2006*.
  - Arbana Kadriu. **Teaching Math in Multimedia Environment.** In *5th International Conference on Multimedia in Business and Education, Częstochowa, Poland, 2005. 2005*.
  - Arbana Kadriu. **Multimedia Learning and its Role in Education.** In *6th Conference on Informatics and Information Technology – CiiT, Bitola, Macedonia., 2005. 2005*.
  - A. Kadriu, M. Zlatkovska, K. Zdravkova. **Prediction of Translation Equivalent of Agentive Nouns in English and Macedonian.** In *ITI, 2005; Cavtat, Croatia. 2005*.
  - Arbana Kadriu. **Processing Agentive Nouns: Lexical Semantics.** In *SEEU Review, 2005, Tetovo, Macedonia. 2005*.
  - Arbana Kadriu. **Automatic Recognition of the Derived Agentive Nouns.** In *ETAI 2005, Ohrid, Macedonia. 2005*.

## Work Experience

- **May 2019 - Present : Full Professor**  
 SEEU, Tetove, North Macedonia  
*Type of business or sector: Education and Research*  
*Main responsibilities: Master Courses - "Social Network Analysis", "Object Oriented Design and Programming", "Web Engineering", "Information Retrieval" PhD Course - "Advanced topics in the field of Information and Communication Technologies"*
- **Nov 2013 - May 2019: Assoc. Prof.**  
 SEEU, Tetove, North Macedonia  
*Type of business or sector: Education and Research*  
*Main responsibilities: Master Courses - "Laboratory Course in Database Programming", "Object Oriented Design and Programming", "E-learning 2.0 - Theory and Practice", "Information Retrieval"*
- **Nov 2008 - Nov 2013: Assist. Prof.**  
 SEEU, Tetove, Macedonia  
*Type of business or sector: Education and Research*  
*Main responsibilities: Master Courses - "Information Retrieval", "Natural Language Processing", "Software Project and Management", "Software Analysis and Design", "Programming Paradigms", "Strategic Information Technology Management", "Social and Information Network Analysis", "Distr*
- **2002 - 2008: Assistant**

SEEU, Tetove, North Macedonia

*Type of business or sector: Education and Research*

*Main responsibilities: Bachelor Courses - "Programming 1", "Programming 2", "Multimedia Systems"*

- **2004 - 2005: Director of Computer Center**

SEEU, Tetove, North Macedonia

*Type of business or sector: Education and Research*

- **2002 - 2004: Deputy Director of Computer Center**

SEEU, Tetove, North Macedonia

*Type of business or sector: Education and Research*

- **2001 - 2003: IT Lecturer**

SEEU, Tetove, North Macedonia

*Type of business or sector: Education and Research*

- **1998 - 2001: Lecturer**

State University of Tetova, Tetove, North Macedonia

*Type of business or sector: Education and Research*

*Main responsibilities: Bachelor Courses - "Numerical analysis", "Programming Languages"*

- **Apr 1998 - Nov 1998: Programmer**

EVT WIEN Skopje, Skopje, North Macedonia

*Type of business or sector: Business*