



1. **Family name:** Pavlovic-Lazetic
2. **First names:** Gordana  
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<http://www.matf.bg.ac.rs/~gordana>  
[https://www.researchgate.net/profile/Gordana\\_Pavlovic-Lazetic](https://www.researchgate.net/profile/Gordana_Pavlovic-Lazetic)  
<https://www.linkedin.com/in/gordana-pavlovic-lazetic-3285376b/>
3. **Date of birth:** March 22<sup>nd</sup>, 1955
4. **Nationality:** Serbian
5. **Civil status:** Married, two children
6. **Education:**

<i>Institution</i>	Faculty of Mathematics, University of Belgrade
<i>Dates</i>	1988
<i>Degree obtained</i>	Ph.D. in Mathematics
<i>Institution</i>	Faculty of Mathematics, University of Belgrade
<i>Dates</i>	1981
<i>Degree obtained</i>	M. Sc. in Mathematics
<i>Institution</i>	Faculty of Mathematics, University of Belgrade
<i>Dates</i>	1974-1978
<i>Degree obtained</i>	B. Sc. In Mathematics

7. **Language skills:** (5 to 1 where 1 is the maximum)

<i>Language</i>	<i>Reading</i>	<i>Speaking</i>	<i>Writing</i>
Serbian (mother tongue)	1	1	1
English	1	1	1
French	2	4	4
Russian	1	3	2

8. **Membership of professional bodies:** member of the Association for Computing Machinery (ACM)
9. **Other skills:** Very developed computer skills; active car driver
10. **Present position:** Full professor at the University of Belgrade, Faculty of Mathematics
11. **Years within the firm:** 37
12. **Key qualifications:** Has a wide academic teaching experience in undergraduate and graduate level courses (Master, Ph.D) – in Databases, Computer Programming, Compilers Construction, Web and Internet Technologies, Formal Language Theory, Information Systems, Information Retrieval, Data Mining, Bioinformatics. Has a wide professional experience in IS management, computer programming, database design, database management system development.

**13. Professional Experience Record:**

<b>SERBIA</b>	
<i>Period</i>	2009 - ongoing
<i>Location</i>	Belgrade, Serbia
<i>Company</i>	Faculty of Mathematics
<i>Position</i>	Full professor
<i>Period</i>	1997 – 2009
<i>Location</i>	Belgrade, Serbia
<i>Company</i>	Faculty of Mathematics
<i>Position</i>	Associate professor
<i>Period</i>	1989 – 1997
<i>Location</i>	Belgrade, Serbia
<i>Company</i>	University of Belgrade, Faculty of Mathematics
<i>Position</i>	Assistant professor
<i>Period</i>	1979 – 1988
<i>Location</i>	Belgrade, Serbia
<i>Company</i>	University of Belgrade, Serbia
<i>Position</i>	Teaching assistant
<b>USA</b>	
<i>Period</i>	1982-1983
<i>Location</i>	Berkeley, California – USA
<i>Company</i>	University of California, Berkeley
<i>Position</i>	Visiting scholar
<i>Description</i>	Doing research in database management systems development
<i>Period</i>	1985-1986
<i>Location</i>	Berkeley, California – USA
<i>Company</i>	University of California, Berkeley
<i>Position</i>	Visiting scholar
<i>Description</i>	Doing research in extending the INGRES DBMS type system
<i>Period</i>	1985-1986
<i>Location</i>	Berkeley, California – USA
<i>Company</i>	Relational Technology Inc.
<i>Position</i>	Consultant
<i>Description</i>	Extending the commercial DBMS INGRES with textual data type; prototyping the extended system
<b>REPUBLIKA SRPSKA</b>	
<i>Period</i>	1999-2017
<i>Location</i>	Banja Luka, Republic of Srpska
<i>Company</i>	Faculty of Sciences and Mathematics
<i>Position</i>	Visiting professor
<i>Description</i>	Technical support; Teaching courses in computer programming, databases, Internet programming, information systems, formal languages; supervising diploma works;

**14. Publications:****Textbooks:**

Fundamentals of Relational Databases (in Serbian), 1996, 1999 (2<sup>nd</sup> edition), Faculty of Mathematics, Belgrade

**Ph.D. thesis:** Databases and Expert Systems in Managing Texts (in Serbian), 1988, University of Belgrade

**M.Sc. thesis:** Relational Model of Data with Two Types of Null Values (in Serbian), 1981, University of Belgrade

**Selected scientific papers:** (see <http://dblp.uni-trier.de/pers/hd/p/Pavlovic=Lazetic:Gordana>)

1. [Jelena Graovac](#), [Jovana J. Kovacevic](#), Gordana Pavlovic-Lazetic: Hierarchical vs. flat n-gram-based text categorization: Can we do better? [Comput. Sci. Inf. Syst. 14\(1\)](#): 103-121 (2017)
2. [Jelena Graovac](#), [Jovana J. Kovacevic](#), Gordana Pavlovic-Lazetic: Language Independent n-Gram-Based Text Categorization with Weighting Factors: A Case Study. [JIDM 6\(1\)](#): 4-17 (2015)
3. [Vesna Pajic](#), [Dusko Vitas](#), Gordana Pavlovic-Lazetic, [Milos Pajic](#): WebMonitoring software system: Finite state machines for monitoring the web. [Comput. Sci. Inf. Syst. 10\(1\)](#): 1-23 (2013)
4. Vesna Pajic, Gordana Pavlovic-Lazetic, Milos V. Beljanski, Bernd W. Brandt, Milos Pajic: Towards a database for genotype-phenotype association research: mining data from encyclopaedia. [IJDMB 7\(2\)](#): 196-213 (2013)
5. [Ivana Tanasijevic](#), [Biljana Sikimic](#), Gordana Pavlovic-Lazetic: Multimedia database of the cultural heritage of the Balkans. [LREC 2012](#): 2874-2881
6. Gordana Pavlovic-Lazetic, Nenad S. Mitic, Jovana J. Kovacevic, Zoran Obradovic, Sasa N. Malkov, Milos V. Beljanski: Bioinformatics analysis of disordered proteins in prokaryotes. [BMC Bioinformatics 12](#): 66 (2011)
7. Vesna Pajic, Gordana Pavlovic-Lazetic, Milos Pajic: Information Extraction from Semi-structured Resources: A Two-Phase Finite State Transducers Approach. [CIAA 2011](#): 282-289, **Lecture Notes in Computer Science , 2011, Volume 6807/2011, 282-289, DOI: 10.1007/978-3-642-22256-6\_26**
8. Gordana Pavlovic-Lazetic, Nenad S. Mitic, Milos V. Beljanski: n-Gram characterization of genomic islands in bacterial genomes. [Computer Methods and Programs in Biomedicine 93\(3\)](#): 241-256 (2009)
9. Nenad S. Mitic, Gordana Pavlovic-Lazetic, Milos V. Beljanski: Could n-gram analysis contribute to genomic island determination? [Journal of Biomedical Informatics 41\(6\)](#): 936-943 (2008)
10. Gordana Pavlovic-Lazetic, Nenad S. Mitic, Milos V. Beljanski: Bioinformatics analysis of SARS coronavirus genome polymorphism. [BMC Bioinformatics 5](#): 65 (2004)
11. Krstev, C., Pavlović-Lažetić, G, Obradović, I, Vitas, D. *Corpora Issues in Validation of Serbian Wordnet*, **Lecture Notes in Artificial Intelligence**, ISSN: 0302-9743, **LNAI 2807, Springer Verlag, 2003**, pp. 132-137 (<http://www.thomsonscientific.com/>)
12. Pavlović-Lažetić, G, Vitas D, Krstev, C. *Towards Full Lexical Recognition*, P.Sojka, I.Kopaček, K.Pala (eds), **Lecture Notes in Computer Science**, ISSN: 0302-9743, **LNCS 3206, Springer Verlag, 2004**, pp.179-186 (<http://www.thomsonscientific.com/>)
13. Krstev, C., Pavlović-Lažetić, G, Obradović, I, Vitas, D. *Using Textual and Lexical Resources in Developing Serbian Wordnet*, **Romanian Journal of Information**

**Science & Technology, Vol 7, No1-2, 2004**, Romanian Academy, ISSN: 1453-8245, 147-161;

14. Vitas, D., Pavlović-Lažetić, G., Krstev, C.: *About Word Length Counting in Serbian*, in Peter Grzybek (Ed.): *Word Length Studies and Related Issues*, Contributions to the Science of Text and Language, Series: Text, Speech and Language Technology, Vol. 31, **2006**, ISBN-10 1-4020-4067-9 (HB), **Springer**, 301-317  
(<http://www.springer.com/west/home/linguistics/computational+linguistics?SGWID=4-40374-22-68653636-0>)
15. Gordana Pavlovic-Lazetic, Nenad S. Mitic, Andrija Tomovic, Mirjana Pavlovic, Milos V. Beljanski: *SARS CoV genome polymorphism: bioinformatics study*, Genomics, Proteomics, Bioinformatics Journal, Vol. 3 No. 1 February 2005, Elsevier, ISSN 1672-0229, 18-35.
16. Pavlović-Lažetić, G., Wong, E.: *Managing text as data*, The **ACM SIGMOD Anthology** CDROM Version: Volume 1 Issue 4; ISBN: 1-58113-117-8, Volume 1, **1999**; DVD Version: DVD 1 {DBLP, <http://dblp.uni-trier.de>};

**Selected professional publications:**

1. Information system of the Yugoslav Chamber of commerce – Analysis, 2001.
2. Chamber of commerce information system – Design, 2002. – Electronic chambers system (DISCOBOLOS prize 2002, section “Design and production”)
3. *BalkaNet - Design and Development of a Multilingual Balkan WordNet*, 2002-2004: European research project , EC FW5 program – working materials, reports and deliverables, 2002 - 2004
4. Implementation of FIX protocol in Serbia, Belgrade stock exchange, 2006.
5. Information system “Human resources management” – Analysis and Design, for Ministry of Telecommunication and Information Society, 2008
6. Electronic Internet course “Databases – Advanced Concepts”, Tempus - Erasmus Mundus project “Network education at Faculties of Science in Serbia”, SM\_SCM-C024B06-2006 (RS)

**Selected Projects:**

- 1985, 1986.: Text Processing in RDBMS INGRES (UC Berkeley, *Relational Technology Inc., Berkeley, USA*, participant) ;
- 1989-1991: Cooperative project "*Languages Industries*", European Council (participant)
- 2002-2004: European research project "*BalkaNet - Design and Development of a Multilingual Balkan WordNet*", European Commission, FW5, coordinator University of Patras, Greece , key person for the Serbian team)
- 2004-2005: Research project "*Multilingual dictionary of proper names*", mobility project , Serbian-French (participant)
- 2007-2008: Tempus project “Network education at Faculties of Science in Serbia (NEFS)”, member of the executive team
- 2011-2013: *CESAR – Central and South-East European Resources* (ICT Policy Support Programme, Grant agreement no.: 271022) (participant)
- City Library Information system, Belgrade, 1986
- High Education Information system, (Ministry of education of the Republic of Serbia) 1992-1993
- Chamber of Commerce Information System, 2001.
- Implementation of FIX protocol in Serbia, Belgrade Stock Exchange, 2006.
- Information system «Managing Human Resources », Ministry of telecommunication and Informatics ion Society (team leader, 2007-2008)