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

Institution	Faculty of Mathematics, University of Belgrade
Dates	1988
Degree obtained	Ph.D. in Mathematics
Dissertation title	Databases and Expert Systems in Managing Text
Institution	Faculty of Mathematics, University of Belgrade
Dates	1981
Degree obtained	M. Sc. in Mathematics
Thesis title	An Approach to the Relational Database Model with Two Types of Null Values
Institution	Faculty of Mathematics, University of Belgrade
Dates	1974-1978
Degree obtained	B. Sc. In Mathematics

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

Language	*Reading*	*Speaking*	*Writing*
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: active car driver

10. Present position: retired from the University of Belgrade, Faculty of Mathematics

11. Years within the firm: 41

12. Key qualifications: Has a wide academic teaching experience in undergraduate and graduate level courses (Master, Ph.D) – in Databases, Computer Programming, Compiler Construction, Web and Internet Technologies, Formal Language Theory, Information Systems, Information Retrieval, Data Mining, Bioinformatics, Zetetics, Intelligent Information Retrieval, XML Databases, Database Theory. Has a wide professional experience in IS management, computer programming, database design, database management system development.

13. Professional Experience Record:

SERBIA	
Period	2009 - 2020
Location	Belgrade, Serbia
Company	Faculty of Mathematics
Position	Full professor
Period	1997 – 2009
Location	Belgrade, Serbia
Company	Faculty of Mathematics
Position	Associate professor
Period	1989 – 1997
Location	Belgrade, Serbia
Company	University of Belgrade, Faculty of Mathematics
Position	Assistant professor
Period	1979 – 1988
Location	Belgrade, Serbia
Company	University of Belgrade, Serbia
Position	Teaching assistant
USA	
Period	1982-1983
Location	Berkeley, California – USA
Company	University of California, Berkeley
Position	Visiting scholar
Description	Doing research in database management systems development
Period	1985-1986
Location	Berkeley, California – USA
Company	University of California, Berkeley
Position	Visiting scholar
Description	Doing research in extending the INGRES DBMS type system
Period	1985-1986
Location	Berkeley, California – USA
Company	Relational Technology Inc.
Position	Consultant
Description	Extending the commercial DBMS INGRES with textual data type; prototyping the extended system
REPUBLIKA SRPSKA	
Period	1999-2020
Location	Banja Luka, Republic of Srpska
Company	Faculty of Sciences and Mathematics
Position	Visiting professor
Description	Technical support; Teaching courses in computer programming, databases, Internet programming, information systems, formal languages; supervising diploma works;

14. Graduate students:
PhD students:
    Nenad Mitic (1996.)
    Slobodan Radojevic (1996.)
    Cvetana Krstev (1997.)
    Vesna Pajic (2012.)
    Jelena Graovac (2014.)
    Jovana Kovacevic (2015.)
    Milana Grbic (2020.)
    Ivana Tanasijevic (2021.)
    Aleksandar Janjic ()

M.Sc: Mila Mitic, Biljana Jovic (Stamatovic) and a number of Master (Magister of Science) students

15. Publications:

Textbooks:
Fundamentals of Relational Databases (in Serbian), 1996, 1999 (2nd 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. Goran Vinterhalter, Jovana J.Kovačević, Vladimir N.Uversky, Gordana M.Pavlović-Lažetić:
   Bioinformatics analysis of correlation between protein function and intrinsic disorder. International Journal of Biological Macromolecules, vol. 167 (2021), pp 446-456

2. Ivana Tanasijevic, Gordana Pavlovic-Lazetic:
   HerCulB: content-based information extraction and retrieval for cultural heritage of the Balkans. Electron. Libr. 38(5/6): 905-918 (2020)

3. Nenad S. Mitic, Sasa N. Malkov, Jovana J. Kovacevic, Gordana Pavlovic-Lazetic, Milos V. Beljanski:
   Structural disorder of plasmid-encoded proteins in Bacteria and Archaea. BMC Bioinform. 19(1): 158:1-158:18 (2018)

4. 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)

5. 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)

6. 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)

7. 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)

8. Ivana Tanasijevic, Biljana Sikimic, Gordana Pavlovic-Lazetic:
   Multimedia database of the cultural heritage of the Balkans. LREC 2012: 2874-2881

9. 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)

10. 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

11. 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)

12. 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)

13. Gordana Pavlovic-Lazetic, Nenad S. Mitic, Milos V. Beljanski: Bioinformatics analysis of SARS coronavirus genome polymorphism. BMC Bioinformatics 5: 65 (2004)

14. 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/)

15. 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/)

16. 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;

17. 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)

18. 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.

19. 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)

16. Selected Projects:

International:

- 1985, 1986.: Text Processing in RDBMS INGRES (UC Berkeley, *RelationalTtechnology 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)
- 2015-2019: *COST Action BM1405 "Non-globular proteins - from sequence to structure,* function and application in molecular physiopathology (NGP-NET)" (participant)
- 2017–2020: Erasmus plus project Advanced Data Analytics in Business (ADA), (participant)
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National:
- 2011-2019: Automatic Reasoning and Data Mining, Ministry of Science of the Republic of Serbia, 174021 (participant)
- 2011-2019 Infrastructure for Technology Enhanced Learning in Serbia, Ministry of Science of the Republic of Serbia, III-47003 (participant)
- 2006-2010: Automatic Reasoning , Ministry of Science of the Republic of Serbia, 144030 (participant)

- 2006-2010: Theoretical and Methodological Framework for Modernization of the Description of the Serbian Language, Ministry of Science of the Republic of Serbia, 148921A (participant)
- 2002-2005: Bioinformatics, Ministry of Science of the Republic of Serbia , 1858 (participant)
- 2002-2005: Text and Dictionary Interaction, Ministry of Science of the Republic of Serbia, 1743 (participant)
- 1996-2001: Mathematical Logic, Combinatorics and Data Processing, Ministry of Science of the Republic of Serbia, 04M02 (subproject Text Processing – leader)
- 1989-1996: Artificial Intelligence, Federal Development Committee, P-84 (participant)
- 1986-1990: Computer Science with Applications, RZN Republic of Serbia, 1.51 (participant)
- 1983-1985: Automatic Text Processing, OZN Belgrade (participant)
- 1981-1985: Mathematical and Computational Linguistics, RZN Republic of Serbia, 1.35 (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 in Society (team leader, 2007-2008)

17. Other activities

- 2013-2020: Professional Board for Sciences and Mathematics, University of Belgrade (member)
- 2006-2012: Academic Council of Sciences and Mathematics, University of Belgrade (member)
- 2006-2010: Advancement of Computer Education in Elementary and Secondary Schools, Zavod za unapređivanje obrazovanja i vaspitanja (Institute for the Advancement of Education and Upbringing, Serbia), coordinator of the professional training program and author/implementer of the corresponding courses
- 2010: Committee for Accreditation of Professional Advancements Courses, Committee for a Reform of High School Syllabi, Serbia (member)
- 1996-2001: Head of the Department for Computer Science and Informatics, Faculty of Mathematics