

## **Prof. Ludmila Dimitrova, PhD**

### **Contact Information**

Department of Mathematical Linguistics  
Institute of Mathematics and Informatics  
Bulgarian Academy of Sciences  
Acad. G. Bonchev Str. block 8, BG-1113 Sofia, Bulgaria  
Tel: +359-2-979-2833 (office)  
Fax: +359 2 971 36 49  
e-mail: ludmila@cc.bas.bg, ludmila\_dim2@yahoo.com  
URL: <http://mdl.cc.bas.bg/ludmila/>

### **Personal Details**

Bulgarian citizen, born in Sofia, Bulgaria. Married, two sons.

### **Degrees**

Professorship in Computer Science, Institute of Mathematics and Informatics, Bulgarian Academy of Sciences, 2011  
Habilitation in Computer Science, Institute of Mathematics and Informatics, Bulgarian Academy of Sciences, 1995  
Ph.D. in Mathematics, Moscow State University M. Lomonosov, Russia, 1977  
M.Sc. in Mathematics, Sofia University, Bulgaria, 1969

### **Education**

1973-1977: Moscow State University “M. V. Lomonosov”, Faculty of Numeric Mathematics and Cybernetics,  
1964-1969: Sofia University, Faculty of Mathematics and Mechanics

### **Research Interests**

Research and investigations in the field of Computational, Mathematical, Contrastive and Corpus Linguistics, Knowledge Representation, Human Language Technologies, Artificial Intelligence, Discrete Mathematics.

Basic results include creation of digital language resources & tools with a focus on Bulgarian: development of TEI-compliant lexical specifications for encoding and processing of digital corpora and lexica, comparable and multilingual corpora (parallel, annotated, and aligned) – MTE Bulgarian-English, Bulgarian-Polish, Bulgarian-Slovak, and Bulgarian-Polish-Lithuanian, lexical databases for integrated multilingual resources and mono- and bilingual digital dictionaries.

### **Professional Experience**

Professor at the Institute of Mathematics and Informatics, Bulgarian Academy of Science, since 2011  
Associate Professor at the Institute of Mathematics and Informatics, Bulgarian Academy of Science, 1995-2011  
Research Fellow (Assistant Professor) at the Institute of Mathematics and Informatics, Bulgarian Academy of Science, 1978 – 1995  
Graduate Student at the Moscow State University M. Lomonosov, Russia, 1973-1977  
Research Fellow (Assistant Professor) in Mathematics at the Scientific Research Centre affiliated at the Committee of Press, 1972-1973  
Programmer at the Research and Computing Centre affiliated at the Ministry of Chemistry and Metallurgy, 1969-1971

## **Publications**

Author of over 80 scientific publications in the field of mathematical, computational, contrastive and corpus linguistics, among them 2 studies and 10 articles published in international journals with IF (ERIH for Social Sciences and Humanities), more than 60 articles in international and national journals, volume proceedings, author and co-author of 2 books, and editor and co-editor of 5 books and volume proceedings.

## **International and National Projects:**

1. Coordinator of the EC FP7 GA 211983 project MONDILEX *Conceptual Modelling of Networking of Centres for High-Quality Research in Slavic Lexicography and Their Digital Resources*, (2008 – 2010), EC FP7 Capacities – Research Infrastructures
2. Contact person and representative for IMI-BAS in the EU Research Infrastructure CLARIN *Common Language Resources and Technology Infrastructure* (2007 – 2011), EC FP7 Capacities – Research Infrastructures
3. Contact person and representative for IMI-BAS in BG-CLARIN National e-Infrastructure for Integration and Development of Bulgarian Digital Language Resources as a part of *EU CLARIN*, (2010 – 2015), National Infrastructure Roadmap
4. Coordinator of the joint research project “Semantics and Contrastive Linguistics with a Focus on a Bilingual Electronic Dictionary” between IMI-BAS and ISS-PAS (2006 – 2011, 2012 – 2014)
5. Coordinator of the joint research project “Electronic Corpora – Contrastive Study with Focus on Design of Bulgarian-Slovak Digital Language Resources” between IMI-BAS and ILLS of SAS, (2008 – 2010), (2012 – 2014)
6. Principal investigator in the PL96-1142 project CONCEDE „Consortium for Central European Dictionary Encoding” (1998 – 2000), EU 5<sup>th</sup>FP INCO-COPERNICUS Programme
7. Principal investigator in the EU COP 106 project MULTEXT-EAST „Multilingual Text Tools and Corpora for Central and Eastern European Languages” (1995 – 1997), EU COPERNICUS Programme
8. Participant in the EU COP 200 ELSNET GOES EAST (1994 – 1996), EU COPERNICUS Programme
9. Participant in the ELSNET: European Network of Excellence in Language and Speech (1993 – )
10. Participant in the joint research project “Mathematical Problems of Informatics” between IMI-BAS and SZTAKI-HAS (1992 –2009)
11. Participant in the joint research project “Research of Models and Software Tools for Language Technologies” between IMI-BAS and IITP-RAS (2008)
12. Participant in the joint research project “Development of Software Systems for Multimedia and Language Technologies” between IMI-BAS and ULIF-NASU (2008 – 2009)
13. Coordinator of national research project New Information and Language Technologies for Machine Translation”, Contract I-526/95 (MEST) (1995 – 1998)
14. Participant in the research project „Algorithms, Methods and Tools for NLP”, IMI-BAS (1996–2004), (2005– )

15. Participant in the research project „Creation of New Methods and Services of AI – Mathematical Linguistics and NLP”, IMI-BAS, (1988 – 1993)
16. Participant in the research project „Recent Methods of AI in NLP”, Contract I-14/91 (MES) (1991 – 1994)
17. Participant in the research project „Man-Machine Interface in Natural Language. Functional L-processors”, Contract 27 (MSE) (1988 – 1991)
18. Participant in the joint research project “Mathematical Cybernetics and Data Processing” between IMI-BAS and SZTAKI-HAS, (1985)
19. Principal investigator in the research project „Methodological Problems of Grammar, Semantics and Lexicography” between IMI-BAS and Central Linguistics Institute of AS of DDR (1981 – 1985)
20. Principal investigator in the research project „Semantics Criteria and Structures” between IMI-BAS and Central Linguistics Institute of AS of DDR (1978 – 1980).

### **Scientific Activities**

**Member of Editorial Board of the International Journal *Cognitive Studies/Études Cognitives***, Warsaw, Poland (IF: European Reference Index For the Humanities **ERIH**)

### **Organization of Conferences or Participation in Scientific and Program Committees**

Chair, co-chair or member of the Program Committees of seven international conferences and more than dozen international workshops (since 2006)

### **In Bulgaria:**

Jubilee International Conference “Mathematical and Computational Linguistics”, 6 July 2007, Sofia, Bulgaria

### **Abroad:**

MONDILEX First Open International Workshop “Lexicographic tools and techniques”, Moscow, Russia, 3 – 4 October 2008;

MONDILEX Second Open International Workshop “Organization and Development of Digital Lexical Resources”, Kiev, Ukraine, 2 – 4 February 2009;

MONDILEX Third Open International “Metalanguage and Encoding Scheme Design for Digital Lexicography”, Bratislava, Slovak Republic, 3 – 4 October 2009;

MONDILEX Fourth Open International Workshop “Representing Semantics in Digital Lexicography” in conjunction with International Scientific Conference COGNITIVE and CONTRASTIVE STUDIES, Warsaw, Poland, 29 June – 1 July 2009;

MONDILEX Fifth Open International Workshop “Research Infrastructure for Digital Lexicography” in conjunction with International Conference Information Society – IS 2009, Ljubljana, Slovenia, 14 – 15 October 2009.

### **National Grants and Contracts:**

Bulgarian Ministry of Education NSF Grant I-526: *Advanced Information and Language Technologies in Machine Translation*, 1995-1998

Scholarship for graduate study at Moscow State University provided by the Bulgarian Ministry of Education, 1973-1977

### **Digital Language Resources:**

MTE Language Resources Version 4: <http://nl.ijs.si/ME/V4/doc/index.html#sec-crp>

CONCEDE Bulgarian LDB: <http://www.itri.brighton.ac.uk/projects/concede>

Slovak-Bulgarian Corpus Linguistics Terminology Data Base: <http://data.juls.savba.sk/mltd/>;  
Bulgarian-Slovak corpus on the web: <http://korpus.sk:8090/>  
Bulgarian-Polish corpus,  
Bulgarian-Polish-Lithuanian corpus,  
Bulgarian-Polish Electronic Dictionary,  
Bulgarian-Polish Online Dictionary

## Teaching Activities

### Supervised Master Theses:

1. Rumiana Panova, M.Sc. in Informatics, 2009, Thesis: *Lexical and Relational Databases of a Bulgarian-Polish Online Dictionary*
2. Ralitsa Dutsova, M.Sc. in Informatics, 2009, Thesis: *Web-based Application for Presentation of a Bulgarian-Polish Dictionary*
3. Detelina Danova, M.Sc. in Informatics, 2007, Thesis: *Web-based Application for Presentation of Educational Programs*
4. Evelina Bozhankova, M.Sc. in Informatics, 1992, Thesis: *Experimental Software System for Computer Simulation of Turing Machine*
5. Mariela Todorova, M.Sc. in Informatics, 1990, Thesis: *Experimental Interactive System for Computer Simulation of Push-Down Automata and Context-Free Grammars*
6. Valentina Patova, M.Sc. in Informatics, 1990, Thesis: *Experimental Interactive Software System Modelling Context-free Grammars*
7. Maya Encheva, M.Sc. in Informatics, 1990, Thesis: *Experimental Interactive System for Computer Simulation of Finite Automata and Right-linear Grammars*
8. Neviana Isusova, M.Sc. in Informatics, 1985, Thesis: *Software System for Automatic Retrieval of Linguistic Information*
9. Borislav Ivanov, M.Sc. in Informatics, 1982, Thesis: *Automatic Retrieval of Linguistics Information from Linear Context in Bulgarian*
10. Irina Nenova, M.Sc. in Informatics, 1981, Thesis: *Automatic Segmentation of the Bulgarian Wordforms*

## Lecturer's courses

### **Multimedia and Language Technologies Master Program, IMI-BAS & Veliko Tarnovo University “St. St. Cyril and Methodius” (2004–2007):**

Discrete mathematics and introduction to the Mathematical Logic  
Logic, Language, Information  
Computer systems and Architectures  
Databases  
Computational Lexicography  
Programming in Internet and professional communications

### **Informatics Bachelor Program, New Bulgarian University (1998-2003):**

Automata, Languages, Computations

### **Bachelor Programs, Sofia University “St. Kliment Ohridski” (1978-1997)**

#### **Faculty of Mathematics and Informatics:**

Discrete Mathematics  
Formal Languages Theorie  
Mathematical and Computational Linguistics  
Mathematical Foundations of the Artificial Intelligence  
Expert Systems

**Faculty of Classical and New Philologies:**  
Computational Linguistics

**Computer Skills:**

Microsoft Office, Open Office, UNIX, FORTRAN, PL1

**Languages spoken:**

Bulgarian (native), Russian (fluent), English, French (very good).

**Publications**

**Books & Editorial Works:**

L. Dimitrova, V. Koseska, R. Garabík, T. Erjavec, L. Iomdin, V. Shyrovkov. Conceptual Scheme for a Research Infrastructure Supporting Resources in Slavic Lexicography. Sofia, Demetra Ltd. Publisher, 2010. 131 pp. ISBN 978-954-8986-33-5

Ludmila Dimitrova, Zbigniew Grén (Editors 2010): Violetta Koseska and Antoni Mazurkiewicz. Time Flow and Tenses. SOW Publ. House, Warsaw, Poland. 223 pp. 2010. ISBN 978-83-89191-94-6. <http://www.mondilex.org/store/warsaw/catalog-final.pdf>

Violetta Koseska, Ludmila Dimitrova, Roman Roszko (Editors 2009). Representing Semantics in Digital Lexicography. Proceedings of the MONDILEX Fourth Open International Workshop, Warsaw, Poland, 29 June–1 July 2009. SOW, Warsaw, Poland. 224 pp. ISBN 978-83-89191-87-8. [www.mondilex.org/pro3.pdf](http://www.mondilex.org/pro3.pdf)

Volodymyr Shyrovkov, Ludmila Dimitrova (Editors 2009), Organisation and Development of Digital Lexical Resources. Proceedings of the MONDILEX Second Open Workshop, Kiev, Ukraine, 2–4 February 2009. Dovira Publ. House, Kiev, Ukraine. 127 pp. ISBN 978-966-507-252-2. [www.mondilex.org/pro2.pdf](http://www.mondilex.org/pro2.pdf)

Leonid Iomdin, Ludmila Dimitrova (Editors 2008). Lexicographic Tools and Techniques. Proceedings of the MONDILEX First Open Workshop, Moscow, 3-4 October 2008. IITP Publ. House, Moscow, Russian Federation. 109 pp. ISBN 978-5-9900813-6-9. [www.mondilex.org/pro1.pdf](http://www.mondilex.org/pro1.pdf)

L. Dimitrova and R. Pavlov (Editors 2007). Mathematical and Computational Linguistics: Proceedings of the Jubilee International Conference dedicated to the 30th anniversary of the Mathematical Linguistics Dept., 6 July 2007, Sofia, Bulgaria, in conjunction with New Trends in Mathematics and Informatics - Jubilee International Conference dedicated to the 60th anniversary of the IMI - BAS, 6-8 July 2007, Sofia, Bulgaria. 2007. 136 pp. ISBN 978-954-8986-28-1.

Димитрова Л. П. Использование в ЭВМ иерархической структуры памяти. (Диссертация на соискание ученой степени кандидата физ-мат наук). Москва, Издательство МГУ им. М. В. Ломоносова. 110 стр. 1977 (In Russian)

**Studies:**

Dimitrova, L., Koseska, V., Garabík, R., Erjavec, T., Iomdin, L., Shyrovkov, V. Main Results of MONDILEX project. In: International Journal Cognitive Studies/Études Cognitives. Vol. 11, SOW, Warsaw, 2011. 265-292. ISSN 2080-7147.

Dimitrova, L., Koseska, V., Roszko, D., Roszko, R. Application of Multilingual Corpus in Contrastive Studies (on the example of the Bulgarian-Polish-Lithuanian Parallel Corpus). In: International Journal Cognitive Studies/Études Cognitives. Vol. 10, SOW, Warsaw, 2010. 217-240. ISSN 2080-7147.

**Articles (Selection)**

**In international journals with IF:**

Dimitrova, Ludmila, Koseska–Toszewa, V., Satoła-Staśkowiak, J. Neologisms in Bilingual Digital Dictionaries (on example of Bulgarian-Polish Dictionary). In: International Journal Cognitive

Studies/Études Cognitives. Vol. 12, SOW, Warsaw, 2012. ISSN 2080-7147; Impact Factor: ERIH category (to appear)

Dimitrova, Ludmila and Koseska–Toszewa, V. Bulgarian-Polish Parallel Digital Corpus and Quantification of Time. In: International Journal Cognitive Studies/Études Cognitives. Vol. 12, SOW, Warsaw, 2012. ISSN 2080-7147; Impact Factor: ERIH category (to appear)

Dimitrova, Ludmila and Dutsova Ralitsa. Implementation of the Bulgarian-Polish Online Dictionary. In: International Journal Cognitive Studies/Études Cognitives. Vol. 12, SOW, Warsaw, 2012. ISSN 2080-7147; Impact Factor: ERIH category (to appear)

Garabík, R., Dimitrova, L., Koseska–Toszewa, V. (2011). Web-presentation of bilingual corpora (Slovak-Bulgarian and Bulgarian-Polish). In: International Journal Cognitive Studies/Études Cognitives. Vol. 11, SOW, Warsaw, 2011. 227-239. ISSN 2080-7147; Impact Factor: ERIH category.

Garabík, R., Dimitrova, L., Koseska, V. Web-presentation of bilingual corpora (Slovak-Bulgarian and Bulgarian-Polish). In: International Journal Cognitive Studies/Études Cognitives. Vol. 11, SOW, Warsaw, 2011. 10 pages. ISSN 2080-7147. (to appear) IF: ERIH for Social Sciences and Humanities

Dimitrova, L. Multilingual Digital Resources with Bulgarian language. In: International Journal Cognitive Studies/Études Cognitives. Vol. 10, SOW, Warsaw, 2010. 241-252. ISSN 2080-7147. IF: ERIH for Social Sciences and Humanities

Dimitrova, L., Koseska, V., Garabík, R., Erjavec, T., Iomdin, L., Shyrov, V. MONDILEX – Towards the Research Infrastructure for Digital Resources in Slavic Lexicography. In: International Journal Cognitive Studies/Études Cognitives. Vol. 10, SOW, Warsaw, 2010. 147-162. ISSN 2080-7147. IF: ERIH for Social Sciences and Humanities

Dimitrova, L., V. Koseska. Classifiers and Digital Dictionaries. In: International Journal Cognitive Studies/Études Cognitives. Vol. 9, SOW, Warsaw, 2009. 117-131. ISSN 2080-7147. IF: ERIH for Social Sciences and Humanities

Dimitrova, L., V. Koseska. Bulgarian-Polish Corpus. In: International Journal Cognitive Studies/Études Cognitives. Vol. 9, SOW, Warsaw, 2009. 133-141. ISSN 2080-7147. IF: ERIH for Social Sciences and Humanities

Dimitrova, L. Bulgarian Digital Resources as a Base for Automatic Disambiguation. In: International Journal Études Cognitives. Vol. 8. SOW, Warsaw, 2008. 255-271. ISSN 1641-9758. IF: ERIH for Social Sciences and Humanities

Dimitrova, L., V. Koseska–Toszewa. Some Problems in Multilingual Digital Dictionaries. In: International Journal Études Cognitives. Vol. 8. SOW, Warsaw, 2008. 237-254. ISSN 1641-9758. IF: ERIH for Social Sciences and Humanities

Димитрова Л. Специализированные словари и автоматическая обработка болгарского текста. Tanulmanyok-MTA. Szamitastech. Automat. MTA SZTAKY Tanulmanyok, Budapest. 182. 119-124. 1986, MR 88i 26003 (In Russian)

Dimitrova L., Isusova N. A System for Automatical Retrieval of Linguistics Information. Tanulmanyok-MTA Szamitastech. Automat. MTA SZTAKY Tanulmanyok, Budapest. Vol. 182. 125-129. 1986. (MR 88i 26003)

Димитрова Л. П. Задача распределения памяти в операторных схемах в условиях наличия нескольких памятей разного уровня. Журнал "Программирование", Москва. Брой 6. стр. 19-28. 1977. (MR 58-1 1979 58#3781; RZ 1978 5B1000) (In Russian)

### **In peer-reviewed proceedings of international conferences and workshops:**

Dimitrova, L., Dutsova, R., Panova, R. (2011). Survey on Current State of Bulgarian-Polish Online Dictionary. In Proceedings of the International Workshop “Language Technologies for Digital Humanities and Cultural Heritage” within International Conference RANLP’2011, 16 September 2011, Hissar, Bulgaria. 43-50. ISBN 978-954-452-019-9.

Dimitrova, L., Garabík, R. (2011). Bulgarian–Slovak Parallel Corpus. In Proceedings of the Sixth International Conference NLP, Multilinguality SLOVKO'2011, 20 – 22 October 2011, Modra, Slovakia. 44-50. ISBN 978-80-263-0049-6.

Dimitrova, L., Koseska–Toszewa, V., Roszko, D., Roszko, R. (2011). Bulgarian-Polish-Lithuanian Corpus – Recent Progress and Application. In Proceedings of the Sixth International Conference NLP, Multilinguality SLOVKO'2011, 20 – 22 October 2011, Modra, Slovakia. 30-43. ISBN 978-80-263-0049-6.

L. Dimitrova. From Electronic Corpora to Online Dictionaries (on the example of Bulgarian Language Resources). In: J. Levická, R. Garabík (Eds.), NLP, Corpus Linguistics, Corpus Based Grammar Research. Slovakia, 2009. 78-92. ISBN 978-80-7399-875-2.

Dimitrova, L., Koseska, V., Roszko, D., Roszko, R. Bulgarian-Polish-Lithuanian Corpus – Problems of Development and Annotation. In: T. Erjavec (Ed.), Research Infrastructure for Digital Lexicography. Ljubljana, 2009, 72-86. ISSN 1581-9973/ISBN 978-961-264-012-5.

Dimitrova, L., Koseska, V., Roszko, D., Roszko, R. Bulgarian-Polish-Lithuanian Corpus–Current Development. Association for Computational Linguistics (ACL), available at <http://www.aclweb.org/anthology/W/W09/W09-4001.pdf> (Proceedings of the International Workshop “Multilingual resources, technologies and evaluation for Central and Eastern European languages” in conjunction with International Conference RANPL'2009. Borovec, Bulgaria, 17 September 2009. 1-8. ISBN 978-954-452-008-3. )

Ludmila Dimitrova, Violetta Koseska, Ralitsa Dutsova, Romyana Panova. Bulgarian-Polish online Dictionary – Design and Development. In: Koseska, Dimitrova, Roszko (Eds.), Representing Semantics in Digital Lexicography. SOW, Warsaw, 2009, 76-88. ISBN 978-83-89191-87-8

Šimková, M., Garabík, R., Dimitrova, L. Design of a multilingual terminology database prototype. In: Koseska, Dimitrova, Roszko (Eds.), Representing Semantics in Digital Lexicography. SOW, Warsaw, 2009, 123-127. ISBN 978-83-89191-87-8

Dimitrova, L., Panova, R., Dutsova, R. Lexical Database of the Experimental Bulgarian-Polish online Dictionary. In: Garabík (Ed.), Metalanguage and Encoding scheme Design for Digital Lexicography. Bratislava, 2009, 36-47. ISBN 978-80-7399-745-8.

Dimitrova, L., Koseska-Toszewa, V., Satoła-Staškowiak, J. Towards a Unification of the Classifiers in Dictionary Entry. In: Garabík (Ed.), Metalanguage and Encoding Scheme Design for Digital Lexicography. Bratislava, 2009, 48-58. ISBN 978-80-7399-745-8.

Dimitrova, L., Garabík, R., Majchráková, D. Comparing Bulgarian and Slovak Multext-East morphology tagset. In: Shyrov, Dimitrova (Eds.), Organization and Development of Digital Lexical Resources. Kiev, 2009, 38-46. ISBN 978-966-507-252-2.

Dimitrova, L., Rashkov, P. A New Version for Bulgarian MULTEXT-East Morphosyntactic Specifications for Some Verbal Forms. In: Shyrov, Dimitrova (Eds.), Organization and Development of Digital Lexical Resources. Kiev, 2009, 30-37. ISBN 978-966-507-252-2.

Dimitrova, L., Koseska–Toszewa, V., Derzhanski, I., Roszko, R. Annotation of Parallel Corpora (on the Example of the Bulgarian–Polish Parallel Corpus). In: Shyrov, Dimitrova (Eds.), Organisation and Development of Digital Lexical Resources. Kiev, 2009, 47-54. ISBN 978-966-507-252-2.

Dimitrova, Ludmila and Violetta Koseska-Toszewa. The Significance of Entry Classifiers in Digital Dictionaries. In: Iomdin, Dimitrova (Eds.), Lexicographic Tools and Techniques. Moscow, 2008. 89-97. ISBN 978-5-9900813-6-9.

Dimitrova, Ludmila and Pavlov, R. On Compatibility of Slavic Language Resources. In: Iomdin, Dimitrova (Eds.), Lexicographic Tools and Techniques. Moscow, 2008. 15-22. ISBN 978-5-9900813-6-9.

Derzhanski, I., L. Dimitrova and E. Sendova (2007). Electronic Lexicography and Its Applications: The Bulgarian Experience. In: V. A. Shirokov (ed.-in-chief), Applied Linguistics and Language Technologies. Megaling-2006: A collection of research papers. Dovira, Kiev, Ukraine. 111-118. ISBN: 978-966-507-219-5.

Ludmila Dimitrova, Tomaz Erjavec, Nancy Ide, Heiki-Jan Kaalep, Vladimir Petkevic, and Dan Tufis. Multex-East: Parellel and Comparable Corpora and Lexicons for Six Central and Eastern European Languages. *COLING-ACL '98, Universite de Montreal, Canada. August, 10 - 14 1998*. Proceedings of the Conference vol. I, 315-319. 1998.

Dimitrova L., Todorova M. An Attempt for Computer Simulation of Push-Down Automata and Context-free Grammars. In Proceedings of the Conference *Mathematics and Education in Mathematics* (Math. and Educ. Math). 210-215. 1991.

Dimitrova L., Isusova N. Some aspects of the computer processing of Bulgarian text. Proceedings of the First Conference of Program Designers. Budapest, July 11-12, 1985. 39-44.

### **In peer-reviewed national journals and periodic series:**

L.Dimitrova, R. Pavlov, K. Simov, L. Synapova. Bulgarian MULTTEXT-East Corpus – Structure and Content. *Cybernetics and Information Technologies*. Vol. 5, num. 1, 67-73, 2005. ISSN 1311-9702.

L.Dimitrova, R. Pavlov, K. Simov. The Bulgarian Dictionary in Multilingual Data Bases. *Cybernetics and Information Technologies*. Vol. 2, num. 2, 12-15, 2002. ISSN 1311-9702.

Ludmila Dimitrova. Lexical Resource Standards and Bulgarian Language. *International Journal Information Theories & Applications*. 1998, Vol.5, Num.1. 27-34.

L.Dimitrova, M. Todorova. Experimental System for Computer Simulation of Push-Down Automata and Context-Free Grammars. In: *International Journal Information Theories and Applications*. 1, 8. 26-32. 1993.

L. Dimitrova. Some Aspects of Computer Simulation of Formal Grammars and Automata Theory. In: (K. Chimev and Sl.Shtrakov Eds. 1993) *Discrete Mathematics and Applications*. 144-151. 1993.

Dimitrova, L., Paskaleva, E., Nenova, I. Program Package for Automatic Segmentation of Bulgarian Text. *Journal of Systems and Control*, n. 3, 19-25, 1981, Sofia. (In Bulgarian)

Paskaleva, E., Dimitrova, L., Nenova, L. Automatic Segmentation of Bulgarian Wordforms – Description of the Algorithm. *Journal of Automated Systems and Control*, n. 4, 9-16, 1981, RZ 1982 4B1116, Sofia. (In Bulgarian)