

## 10. Списък на публикации

на доц. Олга Илиева Георгиева

### 10.а Списък на всички публикации

#### Дисертационен труд

Олга Илиева Георгиева, 1995, Моделиране и управление на периодични биотехнологични процеси в условия на неопределеност, Институт по управление и системни изследвания – БАН

#### Глава от книга или статии в редактирани толове

- A1. **Georgieva O.**, 2000, Stability analysis of quasilinear fuzzy system, In: Stability Issues in Fuzzy Control, (J. Aracil Ed.), Physica-Verlag, Heidelberg, pp. 285-297 (invited).
- A2. F. Klawonn, **O.Georgieva**, 2006, Identifying single clusters in large data sets. In: J. Wang: Encyclopedia of Data Warehousing and Mining. Idea Group, Hershey, 582-585 (ISBN: 1591405572). (WoS)
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- A4. **Georgieva, O.**, 2013, Dynamic Data-Driven Fuzzy Modeling of Software Reliability Growth, In: Christian Borgelt, María Ángeles Gil, João M.C. Sousa, and Michel Verleysen, eds. Towards Advanced Data Analysis by Combining Soft Computing and Statistics, Studies in Fuzziness and Soft Computing, Volume 285, Springer Berlin Heidelberg, Germany, pp.241-252. doi:[https://doi.org/10.1007/978-3-642-30278-7\\_19](https://doi.org/10.1007/978-3-642-30278-7_19), Ref SJR 0.178 (SCOPUS)

#### Статии в рецензирани научни списания

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- A7. Tsoneva R., T. Patarinska, **O.Georgieva**, 1993, Decomposition method for optimization of xanthan gum fermentation process, Chemical and Biochemical Engineering Quarterly, v.7(3), pp.149-154. (IF 0,438)

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- A9. **Georgieva O.**, 1995, Stability of quasilinear fuzzy system, Fuzzy Sets and Systems, v.73, No 2, 249-258. (IF 0,577) (WoS, SCOPUS)
- A10. Petrova M., **O.Georgieva**, T.Patarinska, 1995, State and time delay estimation of continuous microorganisms cultivation, Bioprocess Engineering, v.12, No.1/2, pp.103-107.(IF 0,703) (WoS, SCOPUS)
- A11. **Georgieva O.**, T. Patarinska, 1996, Modeling and control of batch fermentation processes under conditions of uncertainty, Bioprocess Engineering, v.14, No6, pp.299-306. (IF 0,703) (WoS, SCOPUS)
- A12. **Georgieva O.**, 1997, Intuitionistic fuzzy controller of an activated sludge plant, Notes on IFS, v.3, No1, pp.20-28.
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- A19. Vernieuwe H., **Georgieva O.**, De Baets B., Pauwels V.R.N., Verhoest N.E.C., De Troch F.P., 2005, Comparison of data-driven Takagi-Sugeno models of rainfall-discharge dynamics, Journal of Hydrology 302, pp.173-186. (IF 2.69) (WoS, SCOPUS)
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- A24. **Olga Georgieva**, Sergey Milanov, Petia Georgieva, 2014, Unsupervised EEG biosignal discrimination, International Journal Reasoning-based Intelligent Systems, 6 (3-4), pp.118-125. Ref SJR, doi: 10.1504/IJRIS.2014.066249 (SCOPUS).
- A25. **O. Georgieva**, S. Milanov, P. Georgieva, I. M. Santos, A. T. Pereira and C. F. Silva, 2015, Learning to decode human emotions from event-related potential, Neural Computing and Applications, 26 (3), pp.573-580, doi: 10.1007/s00521-014-1653-6, Ref Quartile: Q2 (IF2014 1.569) (WoS, SCOPUS)
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- A29. Ivan Borshukov, **Olga Georgieva**, 2017, Fuzzy Logic Schemes of Schools Grouping, International Journal of Fuzzy Systems and Advanced Applications, vol. 4, pp. 32-37. (ISSN: 2313-0512)
- A30. **Olga Georgieva**, 2017, How to Account for the Uncertainty in QoS Selection Task, Serdica J. Computing 11 (2017), № 2, pp.165–182. (MathSciNet MR3821450)
- A31. B. Bonchev, **O. Georgieva**, 2018, Playing style recognition through an adaptive video game, Computers in Human Behavior 82, pp.136-147. doi: 10.1016/j.chb.2017.12.040 SJR: 1.595; Ref Quartile:Q1 (IF 4.417 - 2017) (SCOPUS)

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- A38. Петрова М., **О. Георгиева**, 1996, Проблеми на проектирането на автоматични системи за управление на биотехнологичните процеси, Сборник на V-та Национална научна и приложна конференция ET'96, Созопол, България, том 2, стр.65-70.
- A39. **Георгиева О.**, 1996, Възможности за автоматично управление на биологичното пречистване на отпадни води с помощта на размита логика, Първа научно-практическа конференция на БНАКВ, София, България, стр.58-70.
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- A41. **Georgieva O.**, M. Wagenknecht, R. Hampel, 1999, Takagi-Sugeno-type fuzzy modelling of batch biotechnological processes, Proceedings of International Symposium and Young Scientists' School "Bioprocess Systems'99", 18-20 Oct., Sofia, Bulgaria, pp. I.61-I.64.
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- A46. Alexiev K., **O. I. Georgieva**, 2004, Improved fuzzy clustering for identification of Takagi-Sugeno model, Proceedings of IEEE International conference on Intelligent Systems, June 2004, Varna, Bulgaria, v.1, pp. 213-218. (WoS, SCOPUS)
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- A55. Rafiq A., **O. Georgieva**, 2010, Combining Search Trends, International Conference Automatics and Informatics'10- School for Young Scientists, 3-10 Sept., Sofia, pp.1-4.
- A56. **Georgieva O.**, S. Nedev, 2010, Decision Support for Evolving Clustering, C. Borgelt et al. (Eds): Combining Soft Computing & Statistical Methods in Data Analysis, Advances in Intelligent and Soft Computing, Springer Berlin Heidelberg, pp.305-312. (International Conference on Soft Methods in Probability and Statistics, Oviedo, Spain, 2010) Ref SJR (WoS, SCOPUS)
- A57. Bocheva N., **O. Georgieva**, M. Stefanova, 2011, Data Analysis of Age-Related Changes in Visual Motion Perception, Joaquim Filipe, Ana L. N. Fred (Eds.):ICAART 2011-

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- A58. **Georgieva O.**, K. Tschumitschew, F. Klawonn, 2011, Cluster Validity Measures Based on the Minimum Description Length Principle, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 6881 LNAI (PART 1), A. Koenig et al. (Eds.): Proceedings of KES 2011, Springer-Verlag Berlin Heidelberg, pp. 82–89. (15th International Conference, KES 2011, Kaiserslautern, Germany, September 12-14, 2011) doi: 10.1007/978-3-642-23851-2\_9, SJR 0.49 - 2011 (WoS, SCOPUS)
- A59. **Olga Georgieva**, Aleksandar Dimov, 2011, Software Reliability Assessment via Fuzzy Logic Model, ACM International Conference Proceeding Series, 578, (Proceedings of the 12th International Conference on Computer Systems and Technologies, CompSysTech'11), издателство:ACM, New York, 2011, стр.653-658, doi:10.1145/2023607.2023716, Ref SJR (SCOPUS)
- A60. **Georgieva O.**, 2011, Fuzzy Modelling of Software Reliability Growth, Proceedings of the International Conference on Information Technologies (InfoTech-2011) 15-16 September, Varna, Bulgaria, pp. 241-246.
- A61. **Georgieva O.**, 2011, Takagi-Sugeno Type Fuzzy Logic Description of Software Reliability Growth, International Conference Automatics and Informatics'11, 3-7 October, Sofia, Bulgaria, pp. B-117-120.
- A62. **Georgieva O.**, 2012, A Realtime Framework of Software Reliability Assessment, 22th National Scientific Symposium with international participation “Metrology and metrology assurance 2012”, Sept. 10-14, Sozopol, Bulgaria, pp. 321-325.
- A63. **Georgieva O.**, S. Milanov, P. Georgieva, 2013, Cluster Analysis for EEG Biosignal Discrimination, 2013 IEEE International Symposium on INnovations in Intelligent SysTems and Applications INISTA 2013, art. no. 6577646, 19-21 June, Albena, Bulgaria, doi: 10.1109/INISTA.2013.6577646 (WoS, SCOPUS)
- A64. Milanov S., **O. Georgieva**, P. Georgieva, 2013, Comparative Analysis of Brain Data Clustering, Proceedings of Doctoral Conference in Mathematics, Informatics and Education [MIE 2013], 19-29 Sept. Sofia, Bulgaria, pp. 94-101.
- A65. **Olga Georgieva**, Vassilena Slaveva, Iliana Petrova, Stefan Baychev, Tihomira Slavova, 2013, A Formal Model of Lecture Hall Booking System, In Proceedings of International Scientific Conference UNITECH 2013, vol. 2, 22 – 23 Nov. 2013, Gabrovo, Bulgaria, pp.239-244.
- A66. Dessislava Petrova-Antonova, **Olga Georgieva**, 2013, Systematic Approach for QoS Estimation of Web Services, ACM International Conference Proceeding Series (IIWAS'13 Proceedings of International Conference on Information Integration and Web-based Applications & Services, 2-4 December, Vienna, 2013), ACM, 2013, pp.644-648, doi:10.1145/2539150.2539216, Ref (WoS, SCOPUS).
- A67. Dessislava Petrova-Antonova, Nadezhda Hristova, **Olga Georgieva**, 2014, RecSS: Automation of QoS-Aware Web Service Selection, ACM International Conference

- Proceeding Series, 883, (Proceeding of 15th International Conference on Computer Systems and Technologies, CompSysTech'2014), 2014, pp.256-263, doi:10.1145/2659532.2659632, Ref SJR (SCOPUS)
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- A69. **Olga Georgieva**, 2015, Joint assessment of Software Service Quality Properties, Proceedings of 13th International Conference e-Society 2015, 14-16 March, 2015, Funchal, Portugal, pp.316-319.
- A70. **Olga Georgieva**, Dessislava Petrova-Antonova, 2015, Web Service Selection Based on Integrated QoS Assesment, ICCGI 2015: The Tenth International Multi-Conference on Computing in the Global Information Technology, 11-16 Oct. 2015, St. Julians, Malta, pp. 114-118. (ISBN: 978-1-61208-432-9)
- A71. **Olga Georgieva**, Dessislava Petrova-Antonova, 2015, Integrated QoS Assessment of Web Services, Proceedings - 15th IEEE International Conference on Computer and Information Technology, CIT 2015; Ubiquitous Computing and Communications; Dependable, Autonomic and Secure Computing; Pervasive Intelligence and Computing, 2015, pp.1344-1348, doi:10.1109/CIT/IUCC/DASC/PICOM.2015.199, Ref Quartile:( WoS, SCOPUS)
- A72. **Georgieva, O.**, 2016, Exploring Subtractive Cluster Analysis for QoS Selection, 2016 Proceedings of the 2016 International Symposium on INnovations in Intelligent SysTems and Applications, INISTA 2016, art.№ 7571855, 2-5 August, Sinaia, Romania. doi:10.1109/INISTA.2016.7571855 (WoS, SCOPUS)
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- A74. Krasimira Georgieva, **Olga Georgieva**, Petia Georgieva, Maria J. Ribeiro, Joana S. Paiva, 2016, Regression Approach for Automatic Detection of Attention Lapses, 2016 IEEE 8th International Conference on Intelligent Systems, IS 2016 IEEE, 2016, pp.370-375, doi:10.1109/IS.2016.7737447, Ref (SCOPUS) (награда за най-добра статия)
- A75. **Olga Georgieva**, Dynamic Service Quality Selection, ACM International Conference Proceeding Series (Proceedings of the 18th International Conference on Information Integration and Web-based Applications & Services, iiWAS2016), 2016, pp.401-404, doi:http://dx.doi.org/10.1145/3011141.3011156, Ref (SCOPUS)
- A76. Dessislava Petrova-Antonova, **Olga Georgieva**, Sylvia Ilieva, 2017, Modelling of Educational Data Following Big Data Value Chain, ACM International Conference Proceeding Series, Part F132086 (Proceedings of 18th International Conference on Computer Systems and Technologies, CompSysTech'2017), 2017, pp.88-95, doi:10.1145/3134302.3134335, Ref SJR (SCOPUS)

- A77. Ivan Borshukov, **Olga Georgieva**, 2017, Soft Computing Modeling of Schools Grouping via Score Data, Proceedings - 2017 European Conference on Electrical Engineering and Computer Science EECS 2017, Bern, Switzerland, Nov 17-19, 2017, pp.341-346, doi:10.1109/EECS.2017.70 (SCOPUS)
- A78. **Olga Georgieva**, 2018, Dynamic Data Assigning Clustering for School Grouping, Proceedings of 3rd International Conference on Big Data Analytics, Data Mining and Computational Intelligence 2018 (MCCSIS 2018), Madrid, Spain, July 18-20, pp.189-193. ISBN: 978-989-8533-80-7 © 2018 (SCOPUS)
- A79. **Olga Georgieva**, 2018, Dynamic Data Assigning Clustering for Schools' Group Separation, Proceedings of 8-th International Scientific Conference "Computer Science'2018", Sept. 13-15, Kavala, Greece, 157-162.
- A80. Siyana Slavova, **Olga Georgieva**, Information Retrieval from School Data, ACM International Conference Proceeding Series (Proceedings of Computational Intelligence and Intelligent Systems Conference, CIIS2018) 2018, pp.5-9, doi 10.1145/3293475.3293487, Ref (SCOPUS)

### **Учебни материали**

Georgieva, O., 2010, Intelligent Computational Methods Accounting for the Uncertain Information, Сборник учебни материали от Първа интензивна програма, проект BG 051 PO 0001-3.3.04/13, 1-5 февруари 2010, Габрово, стр. 5-17.

### **Справка за публикациите:**

Глава от книга или статии в редактирани толове	4 броя
Статии в рецензирани научни списания	27 броя
Публикации в сборник на конференция	49 броя

**Общ брой публикации: 80 броя**

**Публикации, представени в Scopus - 42 броя**

**Публикации, представени в Web of Science - 23 броя**

## 10.б) Списък на публикациите, представени за участие в конкурса

### Глава от книга или статии в редактирани толове

- Б1. D. Filev, **O. Georgieva**, 2010, An Extended Version of the Gustafson-Kessel Algorithm for Evolving Data Stream Clustering, IEEE Press Series on Computational Intelligence: Evolving Intelligent Systems: Methodology and Applications, редактор/и: Angelov, Plamen / Filev, Dimitar P. / Kasabov, Nik, издателство: John Wiley & Sons, 2010, pp.273-299, ISBN:978-047028719-4, doi:<https://doi.org/10.1002/9780470569962>. ch12, Ref (SCOPUS)
- Б2. **Georgieva, O.**, 2013, Dynamic Data-Driven Fuzzy Modeling of Software Reliability Growth, In: Christian Borgelt, María Ángeles Gil, João M.C. Sousa, and Michel Verleysen, eds. Towards Advanced Data Analysis by Combining Soft Computing and Statistics, Studies in Fuzziness and Soft Computing, Volume 285, Springer Berlin Heidelberg, Germany, pp.241-252. doi:[https://doi.org/10.1007/978-3-642-30278-7\\_19](https://doi.org/10.1007/978-3-642-30278-7_19), Ref SJR 0.178 (SCOPUS)

### Статии в рецензирани научни списания

- Б3. **Georgieva O.**, F. Klawonn, 2008, Dynamic data assigning assessment clustering of streaming data, Applied Soft Computing Journal- Special Issue on Dynamic Data Mining, v.8, No 4, pp.1305-1313, Quartile:Q2 (invited, IF 2.68). (WoS, SCOPUS)
- Б4. **Olga Georgieva**, Sergey Milanov, Petia Georgieva, 2014, Unsupervised EEG biosignal discrimination, International Journal Reasoning-based Intelligent Systems, 6 (3-4), pp.118-125. Ref SJR, doi: 10.1504/IJRIS.2014.066249 (SCOPUS).
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