

## Общ списък на публикации

- **Звено: ( ИМИ ) Институт по математика и информатика**
- **Секция: ( ИМИ ) Математическо моделиране и числен анализ**
- **Име: ( ИМИ/0130 ) Борисов, Милен Колев**
  
- **Общо 19 публикации, от които:**
  - 8 публикации с JCR-IF (Web of Science) (2 в Q1, 5 в Q2, 1 в Q3)
  - 4 публикации с SJR (Scopus) без IF (1 от тях приета за публикуване 2023)
  - 2 публикации видими в MathSciNet и Zentralblatt
  - 4 други публикации в национални и международни издания (неиндексирани)

№	Публикация	Използвана	Инд. база
1	Borisov M., Dimitrova N.. One-Parameter Bifurcation Analysis of Dynamical Systems Using Maple. Serdica Journal of Computing, 4, 1, 2010, ISSN:1312-6555, 43-56	За Доктор (дисертация)	ZentralBlatt
2	Borisov M., N. Dimitrova. Stability analysis in a model of 1,2-dichloroethane biodegradation by Klebsiella oxytoca va 8391 immobilized on granulated activated carbon. AMiTANS'2011, AIP Conf. Proc. 1404, 2011, DOI:10.1063/1.3659931, 284-298	За Доктор (дисертация)	Scopus, SJR без IF
3	Borisov M., N. Dimitrova, V. Beschkov. Stability Analysis of a Bioreactor Model for Biodegradation of Xenobiotics. Computers and Mathematics with Applications, 64, 3, Elsevier, 2012, ISSN:0898-1221, DOI:0.1016/j.camwa.2012.0.067, 361-373. JCR-IF (Web of Science):2.069 <a href="#">Линк</a>	За Доктор (дисертация)	Web of Science, JCR, Q1
4	Borisov M.. BifTools: Maple Package for Bifurcation Analysis of Dynamical Systems. Scientific Reports of the Institute of Mathematics and Informatics No 1/2012, 1, 2012, ISSN:1314-541, 1-35	За Доктор (дисертация)	-
5	Borisov, M. K., Dimitrova, N. S., Krastanov, M. I.. Functional differential model of an anaerobic biodegradation process. Lecture Notes in Computer Science, 9374, Springer, 2015, ISBN:978-3-319-26520-9, ISSN:0302-9743, DOI:10.1007/978-3-319-26520-9_10, 101-108. SJR:0.339 <a href="#">Линк</a>	За главен асистент в ИМИ, БАН	Scopus, SJR без IF
6	Borisov, M. Simulation of Gradostat Using System Simulation Software Tools. 2, 1, Biomath Communications, 2015, ISSN:2367-5233 <a href="#">Линк</a>		-
7	Borisov, M., Dimitrova, N., Simeonov, I.. Mathematical Modelling of Anaerobic Digestion with Hydrogen and Methane Production. In: R. Findeisen, E. Bullinger, E. Balsa-Canto, K. Bernaerts (eds.), Foundations of Systems Biology in Engineering FOSBE 2016 - Magdeburg, Germany, October 9-12, 2016, 49, 26, Elsevier, IFAC-PapersOnLine, 2016, ISSN:2405-8963, DOI:10.1016/j.ifacol.2016.12.131, 231-238. SJR:0.263 <a href="#">Линк</a>	За главен асистент в ИМИ, БАН	Scopus, SJR без IF
8	Borisov, M. K., N. S. Dimitrova, M. I. Krastanov. Global asymptotic stability of a functional differential model with time delay of an anaerobic biodegradation process. Serdica Journal of Computing, 11, 1, 2017, ISSN:1314-7897 (Online); ISSN: 1312-6555 ( Print), 9-29 <a href="#">Линк</a>		ZentralBlatt
9	Borisov, M., N. Dimitrova, M. Krastanov. Stability Analysis and Simulations of Bioreactor Model with Delayed Feedback. International Scientific Journal "Mathematical Modeling", 1, 4, Scientific Technical Union of Mechanical Engineering - Industry 4.0, 2017, ISSN:2535-0986, 188-191 <a href="#">Линк</a>		-
10	Anguelov, R., Borisov, M., Iliev, A., Kyurkchiev, N., Markov, S.. On the chemical meaning of some growth models possessing Gompertzian-type property. Mathematical Methods in the Applied Sciences, 41, 18, 2018, ISSN:1099-1476, DOI:10.1002/mma.4539, 8365-8376. JCR-IF (Web of Science):1.18 <a href="#">Линк</a>		Web of Science, JCR, Q2
11	Borisov, M, Dimitriu, G, Rashkov, P. Modelling the Host Immune Response to Mature and Immature Dengue Viruses. Bulletin of Mathematical Biology, 81, 12, Springer US, 2019, ISSN:0092-8240, DOI:10.1007/s11538-019-00664-3, 4951-4976. SJR (Scopus):0.652, JCR-IF (Web of Science):1.812 <a href="#">Линк</a>		Web of Science, JCR, Q2
12	Borisov, Milen K., Neli S. Dimitrova, Mikhail I. Krastanov. Model-based stabilization of a fermentation process using output feedback with discrete time delay. Lecture Notes in Computer Science, 11189, Springer, 2019, ISBN:978-3-030-10692-8, ISSN:0302-9743, DOI:https://doi.org/10.1007/978-3-030-10692-8_38, 342-350. SJR (Scopus):0.295 <a href="#">Линк</a>		Scopus, SJR без IF

13	Borisov, M. K., Dimitrova, N. S., Krastanov, M. I.. Global stabilizability of an anaerobic biodegradation process via piecewise constant feedback. International Journal of Robust and Nonlinear Control, 30, 7, John Wiley & Sons Ltd, 2020, ISSN:1049-8923 (Print), 1099-1239 (Online), DOI:http://dx.doi.org/10.1002/rnc.4914, 2777-2795. SJR (Scopus):1.631, JCR-IF (Web of Science):3.503 <a href="#">Линк</a>		Web Of Science, JCR, Q1
14	Borisov, M., Dimitrova, N., Simeonov, I. Mathematical Modeling and Stability Analysis of a Two-Phase Biosystem. Processes, 8, 7, MDPI, 2020, ISSN:2227-9717, DOI:https://doi.org/10.3390/pr8070791, 791. SJR (Scopus):0.403, JCR-IF (Web of Science):2. <a href="#">Линк</a>		Web Of Science, JCR, Q3
15	Borisov, M., Denchev, D., Simeonov, I.. Mathematical Modelling of a Two-stage Anaerobic Digestion Process with Hydrogen and Methane Production Using ADM1. Ecological Engineering and Environment Protection, 1, National Society of Ecological Engineering and Environment Protection, 2020, ISSN:1311-8668, DOI:10.32006/eeep.2020.1.1829, 18-29 <a href="#">Линк</a>		-
16	Borisov, M. K., Markov, S.. The two-step exponential decay reaction network: analysis of the solutions and relation to epidemiological SIR models with logistic and Gompertz type infection contact patterns. Journal of Mathematical Chemistry, 59, 5, Springer, 2021, ISSN:0259-9791, DOI:https://doi.org/10.1007/s10910-021-01240-8, 1283-1315. SJR (Scopus):0.421, JCR-IF (Web of Science):2.357 <a href="#">Линк</a>		Web Of Science, JCR, Q2
17	Borisov, M., Dimitrova, N., Zlateva, P.. Time-Delayed Bioreactor Model of Phenol and Cresol Mixture Degradation with Interaction Kinetics. Water, 13, 3266, MDPI, 2021, ISSN:2073-4441, DOI:https://doi.org/10.3390/w13223266, JCR-IF (Web of Science):3.53 <a href="#">Линк</a>		Web Of Science, JCR, Q2
18	Borisov, M., Dimitrova, N., Zlateva, P.. Stability Analysis of a Chemostat Model for Phenol and Sodium Salicylate Mixture Biodegradation. Processes, 10, MDPI, 2022, ISSN:2227-9717, DOI:https://doi.org/10.3390/pr10122571, 2571. SJR (Scopus):0.474, JCR-IF (Web of Science):3.352 <a href="#">Линк</a>		Web Of Science, JCR, Q2
19	Borisov, M., Markov, S. On the Numerical Simulation of Exponential Decay and Outbreak Data Sets Involving Uncertainties. Lecture Notes in Computer Science, 13858, Springer, 2023, ISSN:0302-9743, SJR:0.41 (2021) - (accepted for publication)		Scopus, SJR без IF