

Nikolay M. YANEV. List of Publications (2019)

1. Branching stochastic processes with immigration. Bulletin de l'Institut de Mathematiques (Acad. Bulg. Sci.), XV (1972), 71-88. (In Bulgarian).
2. On a class of decomposable age-dependent branching processes. Mathematica Balkanica, 2 (1972), 58-75. (In Russian).
3. Conditions of extinction of λ -branching processes with random λ . Theor. Probab. Appl. XX, 2 (1975), 433-440.
4. On the statistics of branching processes. Theor. Probab. Appl. XX, 3 (1975), 623-633.
5. Estimators for variances in a subcritical branching process with immigration. Annuaire de l'Universite de Sofia (1976/1977), v. 71, 2-e partie, 39-44. (In Russian).
6. Controlled branching processes in random environments. Mathematica Balkanica, 7 (1977), 137-155. (In Russian).
7. Estimation of variances in a branching process with immigration. Proceedings of the 8th Spring Conference of the UBM, Sunny Beach; BAS, Mathematics and Education in Math., Sofia (1979), 608-617. (CA: S.Choukova; In Russian).
8. On the statistics of branching processes with immigration. C. R. Acad. Bulg. Sci. 33, No. 4 (1980), 469-472. (CA: S.Tchoukova-Dantcheva).
9. Controlled branching processes: the case of random migration. C. R. Acad. Bulg. Sci. 33, No. 4 (1980), 473-475. (CA: K.V. Mitov).
10. Controlled branching processes with infinite mathematical means. Proceedings of the 9th Spring Conference of the UBM, Sunny Beach; BAS, Mathematics and Education in Math., Sofia (1980), 182-186. (CA: K.Mitov; In Russian)
11. Dynamics of induced cell proliferation systems within a framework of a branching process model: 1. Numbers of cells in successive generations. CYTOLOGY, 22 (1980), 945-953. (CA: A. Yakovlev; In Russian)
12. Combinatorial and statistical investigations of the structure and organization of DNA. Third International Conference on Automatization and Organization of Experimental Investigations, 1981, v. 3, 250-254. (CA: I.Tzankova, J.Yaneva, I.Ivanov)
13. Critical branching migration processes. Proceedings of the 10th Spring Conference of the U.B.M., Sunny Beach; BAS, Math. and Education in Math., Sofia, 1981, 321-328. (CA: K.V. Mitov, in Russian).
14. Approximation of the nucleotide sequences in DNAs with Markov chains. Proceedings of the 11th Spring Conference of the U.B.M., Sunny Beach; BAS, Math. Educ. Math.,Sofia, 1982, 268-270. (CA: I.Tzankova, J.Yaneva, I.Ivanov).
15. Limit theorems for controlled branching processes with non-homogeneous migration. C. R. Acad. Bulg. Sci. 35, No. 3, 1982, 229-301. (CA: K.V. Mitov)
16. The life-periods of critical branching processes with random migration. Theor.Probab.Appl. XXVIII, 3 (1983), 458-467. (CA: K.V. Mitov)

17. Dynamics of induced cell proliferation systems within a framework of a branching process model: 2. Some characteristics of the cell cycle temporal organization. *CYTOLOGY*, 25, 1983, 818-826. (CA: A. Yakovlev, in Russian).
18. Critical branching processes with decreasing state-dependent immigration. *C. R. Acad. Bulg. Sci.* 36, No. 2, 1983, 193-196. (CA: K.V.Mitov)
19. Subcritical branching migration processes. *Pliska – Studia Mathematica Bulgarica*, 7, 1984, 75-82. (CA: K.V.Mitov, in Russian).
20. Critical Galton-Watson processes with decreasing state-dependent immigration. *J. Appl. Probab.* 21 (1984), 22-39. (CA: K.V. Mitov).
21. Limit theorems for controlled branching processes with decreasing emigration. *Pliska - Studia Mathematica Bulgarica*. V. 7, 1984, 83-89. (CA: K.V. Mitov, in Russian).
22. Controlled branching processes with nonhomogeneous migration. *Pliska - Studia Math. Bulg.* 7, 1984, 90-96. (CA: K.V. Mitov, in Russian).
23. Continuous-time branching processes with decreasing state-dependent immigration. *Adv. Appl. Probab.* 16 (1984), 697-714. (CA: V.A. Vatutin, K.V. Mitov)
24. Branching processes with decreasing migration. *C.R.Acad.Bulg.Sci.* 37, No. 4 (1984), 465-468. (CA: K.V. Mitov)
25. Identification of nucleotide sequences common for the genes of a multi-gene family. International conference on computer-based scientific research, 1984, v. II, 597-601. (CA: I.Tzankova, J.Yaneva, I.Ivanov)
26. Generalization of a theorem for a subcritical branching process with random migration. *Proceedings of the 13th Spring Conference of the U.B.M., Sunny Beach; BAS, Mathematics and Education in Math., Sofia (1984)*, 379-383. (CA: K. Mitov, M. Tanoushev; In Russian)
27. Critical Galton-Watson processes with decreasing state-dependent immigration. *Serdica - Bulg. Math. Journal*, v.10, 1984, 412-424. (CA: V.A. Vatutin, K.V. Mitov ; In Russian)
28. Bellman-Harris branching processes with state-dependent immigration. *J. Appl. Probab.* 22 (1985), 757-765. (CA: K.V. Mitov)
29. On the distribution of marks over a proliferating cell population obeying the Bellman-Harris branching process. *Mathematical Biosciences* 5 (1985), 159-173. (CA: A. Yakovlev).
30. Critical branching processes with nonhomogeneous migration. *Annals of Probability* 13 (1985), 923-933. (CA: K. Mitov).
31. Limit theorems for estimators in Galton-Watson branching processes. *C. R. Acad. Bulg. Sci.*, v. 38, No. 6, 1985, 683-686.
32. A critical branching process with decreasing migration. *Serdica - Bulg.Math.Publ.* 11, No. 3, 1985, 240-244. CA: K.V.Mitov)
33. Branching Stochastic Structures. *Proceedings of the 14th Spring Conference of the U.B.M., Sunny Beach; BAS, Math. and Education in Math., Sofia, 1985*, 171-184. (In Russian).
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35. Limit theorems for supercritical branching migration processes. Proceeding of the 14-th Spring Conference of the U.B.M., Sunny Beach, 1985, 590-593.
36. Branching processes with decreasing state-dependent immigration. *Serdica - Bulg. Math. Publ.*, v. 11, No. 1, 1985, 25-41. (CA: K.V.Mitov; In Russian)
37. Limit theorems for estimators of variances in a branching process with immigration. *Serdica - Bulg. Math. Publ.* 12, No. 3, 1986, 134-142. (CA: S.Tchoukova, in Russian).
38. Critical branching migration processes stopped at zero. Proceedings of the 15th Spring Conference of the U.B.M., Sunny Beach; BAS, Mathematics and Education in Math., Sofia, 1986, 511-517.(CA: V.A.Vatutin, K.V.Mitov, in Russian).
39. Limit theorems for estimators of individual characteristics in a Galton-Watson process. *Serdica - Bulg. Math. Publ.* 12, no. 3, 1986, 143-153. (In Russian)
40. Optimal moments for quality control in some technological processes. In "Math. methods in quality control theory", v.2, U.B.S., Sofia, 1986, 101-110. (CA: M.Tanouchev, In Bulgarian)
41. Supercritical branching processes with random migration stopped at zero. *Mathematics and Edu. in Math.*, BAS, 1987, 538-544. (CA: M.Slavtchova)
42. Bellman-Harris branching processes and distribution of marks in proliferating cell populations. Proceedings of the I-st World Congress of the Bernoulli Society, v. 2, 1987, 725-728. (CA: A.Yakovlev, M.S.Tanoushev)
43. Bellman-Harris branching processes with special type of state-dependent immigration. *C. R. Acad. Bulg. Sci.*, 41, No. 9, 1988, 22-25. (CA: K.V.Mitov)
44. Branching processes with multiplication. *Mathematics and Education of Mathematics*, BAS, 1988, 385-389. (CA: G.Yanev)
45. Limit theorems for non-critical Bellman-Harris branching processes with state-dependent immigration. *C. R. Acad. Bulg. Sci.*, 41, 1988, 12, 27-30. (CA: M.N.Slavtchova).
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49. Non-parametric statistical inference for Galton-Watson branching processes. Proceedings of 6th European Y. S. Meeting, Prague, Charles University, 1989, 269-276. (CA: I.Tzankova)
50. Conditions for extinction of controlled branching processes. *Mathematics and Education of Mathematics*, 1989, 550-556. (CA: G.P.Yanev)
51. On the critical branching migration processes with predominated emigration. *C. R. Acad. Bulg. Sci.*, 12, 1989. (CA: G.P.Yanev)
52. Bellman-Harris branching processes with a special type of state-dependent immigration. *Adv. Appl. Probab.* 21 (1989), 270-283. (CA: K.V.Mitov).

53. Multitype Critical Galton-Watson Branching Processes with Final Types. *Discrete Mathematics*, v.1, no.4, 1989, 113-122. (CA: V.Vatutin)
54. Convergence in distribution of supercritical Bellman-Harris Branching processes with state-dependent immigration. *Mathematica Balkanica*, 1990, No.3, 35-42. (CA: M.N.Slvtchova)
55. Some investigations on the optimization of the verification intervals for measuring instruments. *INSIMET'90* (10th Int. Symp. on the Metrology), 1990, 11-14. (CA: M.Tanushev, P.Parushev, I.N.Temniskov)
56. Extinction of controlled branching processes in random environments. *Mathematica Balkanica* 1990, No. 4, 368-380. (CA: G.P.Yanev)
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60. On a New Model of Branching Migration Processes. *C. R. Acad. Bul. Sci.*, 44, 1991, #3. 19-22. (CA: G.P.Yanev)
61. Limiting Distributions of Galton-Watson Branching Processes with a Random Number of Ancestors. *C. R. Acad. Bul. Sci.* 44, 1991, No.3, 23-26. (CA: J.-P. Dion)
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137. Stochastic Models of Cell Proliferation Kinetics Applying Branching Processes. In: A. Almudevar et al. (eds.), *Statistical Modeling for Biological Systems*, © Springer Nature Switzerland AG 2020, https://doi.org/10.1007/978-3-030-34675-1_1 (*In press*)

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