

CURRICULUM VITAE

Name: Georgios Papadopoulos

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Date of Birth: June, 24th, 1958; Greece

Nationality: Greek

Undergraduate Education: Diploma in Mathematics, Aristotle University of Thessaloniki, Greece

Postgraduate Education: MSc in OR & Computer Science, Department of Mathematics, National and Kapodistrian University of Athens, Greece
Ph.D. in Systems Reliability, Department of Mathematics, National and Kapodistrian University of Athens, Greece
Thesis: *Reliability of 2-Dimensional consecutive k- out-of-n:F systems*

Research interests: Applied Statistics and Applied Probability, Biometry and Agricultural Statistics, Statistical Analysis of Experiments in Agricultural Sciences, Systems Reliability, Runs and Scans Theory, Statistical Quality Control, Web-based Teaching Environments.

Publications: 48 articles in international scientific journals and 21 articles in conference proceedings.

Professional Experience:
2021-present: Head of the Institute for Design and Analysis of Experiments (IDAE), University Research Center, Agricultural University of Athens
2006-present: Professor of Applied Statistics, Applied Probability and Analysis of Experiments in Agricultural Sciences, in Agricultural University of Athens
1994-2005: Consultant of Education, Head of ICT Unit, Hellenic Pedagogical Institute
1988-1994: Research associate, Agricultural University of Athens, Greece
1983-1988: Research associate, University of Athens, Greece.

Scientific Experience: Coordinated and contributed in several research projects, and supervised Ph.D. and M.Sc. students as well as undergraduate students in their final dissertation.

University and other teaching experience: Lecturer in Design and Analysis of Experiments, Applied Statistics, Applied Probability, Sample Theory, Statistical Quality Control, Statistical Packages and Mathematics.
Lecturer in educational seminars on applied data analysis and computational statistics.

Selected Publications:

1. Kaparakou, E.H., Kanakis, C.D., Kokotou, M.G., Papadopoulos, G. & Tarantilis, P.A. (2024). LC-MS/MS-QTOF Identification of Phenolic Compounds of *Sideritis* Species Cultivated in Greece. *Separations*, **11**, 229.
<https://www.mdpi.com/2297-8739/11/8/229>
2. Psomatakis, M., Papadimitriou, K., Souliotis, A., Drosinos, E.H. and Papadopoulos, G. (2024). Food Safety and Management System Audits in Food Retail Chain Stores in Greece. *Foods*, **13**,457.
<https://doi.org/10.3390/foods13030457>
3. Barda, M., Karamaouna, F., Kasiotis, K. M., Baira, E., Papadopoulos, G. K., Bebeli, P. J., & Perdikis, D. (2024). Flower morphology and nectar quality traits in faba bean affect attraction to bees. *Journal of Applied Entomology*, **148**, 57–73.
<https://doi.org/10.1111/jen.13208>
4. Thoma E, Moustris K, Tseliou A, Papadopoulos G, Tsiros I. (2023). Artificial Neural Network Models for the Estimation of Air Temperature Cooling and Warming Patterns Inside Urban Clusters: The Case of Courtyards in Athens, Greece. *Environmental Sciences Proceedings*. **26 (1)**, 97.
<https://doi.org/10.3390/envirosciproc2023026097>
5. Goulioti, E., Jeffery, D. W., Kanapitsas, A., Lola, D., Papadopoulos, G., Bauer, A. and Kotseridis, Y. (2023). Chemical and sensory characterization of Xinomavro red wine using grapes from protected designations of Northern Greece. *Molecules*,**28(13)**, 5016
6. Dafnis, S., Perdikis, T. and Papadopoulos, G. (2023). Improved Chi-square Control Charts with Weak-Runs Rules. *Communications in Statistics – Theory and Methods*, 1-17. <https://doi.org/10.1080/03610926.2023.2215357>
7. Revelou, P.-K.; Kougianou, E.; Xagoraris, M.; Evangelaras, H.; Papadopoulos, G.K.; Kanakis, C.D.; Strati, I.F.; Pappas, C.S.; Tarantilis, P.A. (2023). Optimization of a Solid-Phase Extraction Procedure for the Separation of Picrocrocin and Crocins from Saffron Extract. *Compounds*, **3(1)**, 233-243.
<https://doi.org/10.3390/compounds3010019>
8. Lola, D., Kalloniati, C., Dimopoulou, M., Kanapitsas, A., Papadopoulos, G., Dorignac, E., Fletmetakis, E., and Kotseridis, Y. (2023). Impact of assimilable nitrogen supplementation on *Saccharomyces cerevisiae* metabolic response and aromatic profile of Moschofilero wine. *Journal of Agricultural and Food Chemistry*, **71(6)**, 2952-2963. <https://doi.org/10.1021/acs.jafc.2c07325>
9. Dimopoulou, M., Goulioti, E., Troianou, V., Toumpeki, C., Paramithiotis, S., Gosselin, Y., Dorignac, E., Papadopoulos, G. and Kotseridis, Y. (2022). Effect of *Saccharomyces* species interaction on alcoholic fermentation behavior and aromatic profile of Sauvignon blanc wine. *Fermentation*, **8(10)**, 539.
<https://doi.org/10.3390/fermentation8100539>
10. Syrokou, M.K., Paramithiotis, S., Kanakis, C.D., Papadopoulos, G.K., Tarantilis, P.A., Skandamis, P.N., Bosnea, L., Mataragas, M., Drosinos, E.H. (2022). Effect of Dough-Related Parameters on the Antimold Activity of *Wickerhamomyces*

anomalous Strains and Mold-Free Shelf Life of Bread. *Applied Sciences*, **12** (9), 4506.

11. Dafnis, S. D., Gounari, S., Zotos, C. E. and Papadopoulos, G.K. (2022). The Effect of Cold Periods on the Biological Cycle of *Marchalina hellenica*. *Insects*, **13** (4), 375.
12. Revelou, P.-K., Mouzoula, S., Xagoraris, M., Evangelaras, H., Papadopoulos, G.K., Pappas, C.S., Tarantilis, P.A. (2022). Optimized Isolation of Safranal from Saffron by Solid-Phase Microextraction (SPME) and Rotatable Central Composite Design-Response Surface Methodology (RCCD-RSM). *Separations*, **9**(2), 48.
13. Vlassopoulos, A., Mikrou, T., Papantoni, A., Papadopoulos, G., Kapsokefalou, M., Mallouchos, A. and Gardeli, C. (2022). The Effect of Terpenoid Compounds on the Formation of Advanced Glycation Endproducts (AGEs) in Model Systems. *Applied Sciences*, **12**, 908.
14. Syrokou, M.K., Stasinopoulou, P., Paramithiotis, S., Bosnea, L., Mataragas, M., Papadopoulos, G.K., Skandamis, P.N. and Drosinos, E.H. (2021). The Effect of Incubation Temperature, Substrate and Initial pH Value on Plantaricin Activity and the Relative Transcription of *pln* Genes of Six Sourdough Derived *Lactiplantibacillus plantarum* Strains. *Fermentation*, **7**(4), 320.
15. Gounari, S., Zotos, C. E., Dafnis, S. D., Moschidis, G. and Papadopoulos, G.K. (2021). On the impact of critical factors to honeydew honey production: The case of *Marchalina hellenica* and pine honey. *Journal of Apicultural Research*, **62**(2), 383-393. DOI: [10.1080/00218839.2021.1999684](https://doi.org/10.1080/00218839.2021.1999684)
16. Revelou, P.-K., Xagoraris, M., Theodorikou, D. V., Xera, E., Kanakis, C.D., Papadopoulos, G.K., Pappas, C.S. and Tarantilis, P.A. (2021). Estimation of Geographical Origin of Amfissis Cultivar Olive Oil Based on GC-FID/MS and Chemometrics. *Biomedical Journal of Scientific & Technical Research*, **37** (3), 29406-29416.
17. Revelou, P.-K., Xagoraris, M., Alexandropoulou, A., Kanakis, C.D., Papadopoulos, G.K., Pappas, C.S. and Tarantilis, P.A. (2021). Chemometric Study of Fatty Acid Composition of Virgin Olive Oil from Four Widespread Greek Cultivars. *Molecules*, **26** (14), 4151.
18. Sarri, E., Termentzi, A., Abraham, E.M., Papadopoulos, G.K., Baira, E., Machera, K., Loukas, V., Komaitis, F. and Tani, E. (2021). Salinity Stress Alters the Secondary Metabolic Profile of *M. sativa*, *M. arborea* and Their Hybrid (Alborea). *International Journal of Molecular Sciences*, **22** (9), 4882.
19. Xagoraris, M., Revelou, P.-K., Medaglia, S., Kanakis, C.D., Papadopoulos, G.K., Pappas, C.S. and Tarantilis, P.A. (2021). SPME-GC-MS and FTIR-ATR Spectroscopic Study as a Tool for Unifloral Common Greek Honeys' Botanical Origin Identification. *Applied Sciences*, **11** (7), 3159.
20. Barda, M.S., Chatzigeorgiou, T., Papadopoulos, G.K. and Bebeli, P.J. (2021). Agro-morphological Evaluation of *Lupinus mutabilis* in Two Locations in Greece and Association with Insect Pollinators. *Agriculture*, **11**(3), 236; <https://doi.org/10.3390/agriculture11030236>.
21. Revelou, P. K., Pappa, C., Kakouri, E., Kanakis, C. D., Papadopoulos, G. K., Pappas, C. S., & Tarantilis, P. A. (2021). Discrimination of botanical origin of

olive oil from selected Greek cultivars by SPME-GC-MS and ATR-FTIR spectroscopy combined with chemometrics. *Journal of the Science of Food and Agriculture*, **101**(7), 2994-3002.

22. Lazaridi, E., Papadopoulos, G.K. and Bebeli, P.J. (2020). Andean Lupin Phenology and Agronomic Performance under Different Planting Dates in a Mediterranean Climate. *Agronomy*, **10** (12), doi:10.3390/agronomy10122020.
23. Livieris, I. E., Dafnis, S. D., Papadopoulos, G. and Kalivas, D. P. (2020). A multiple-input neural network model for predicting cotton production quantity: A case study. *Algorithms*, **13** (11), 273; doi:10.3390/a13110273.
24. Papazoglou, E. G., Alexopoulou, E., Papadopoulos, G. K. and Economou-Antonaka, G. (2020). Tolerance to Drought and Water Stress Resistance Mechanism of Castor Bean. *Agronomy*, **10**(10), 1580;
25. Nanou, E., Mavridou, E., Milienos, F. S., Papadopoulos, G. Tempere, S. and Kotseridis, Y.. (2020). Odor characterization of white wines produced by Greek indigenous varieties using the frequency of attribute citation method with trained assessors. *Foods*, **9** (10) , 1396.
26. Ventouris, Y.E., Tani, E., Avramidou, E.V., Abraham, E.M., Chorianopoulou, S.N., Vlachostergios, D.N., Papadopoulos, G., Kapazoglou, A. (2020). Recurrent Water Deficit and Epigenetic Memory in *Medicago Sativa* L. Varieties. *Applied Sciences*, **10** (9), 3110.
27. Vissilia, A.-M., Porfyraiki, T. & Papadopoulos, G. K. (2019). Assessing the Value of Outdoor Space in Nursing Homes: A Case Study for Athens Geriatric Home (Greece). *Landscape Research Record*, **8**, 249-260.
28. Souka, A. P., Papastefanou, I., Pilalis, A., Kassanos, D. & Papadopoulos, G. (2019). Implementation of universal screening for preterm delivery by mid-trimester cervical length measurement. *Ultrasound in Obstetrics & Gynecology*, **53**, 396-401.
29. Souka, A. P., Pilalis, A., Papastefanou, I., Eleftheriadis, M. & Papadopoulos, G. (2017). Quality assessment of the detailed anomaly ultrasound scan. *The Journal of Maternal-Fetal & Neonatal Medicine*, **32** (4), 666-670.
30. Lototzis, M., Papadopoulos G. K., Droulia, F., Tseliou, A. and Tsiros I. (2018). A note on the correlation between circular and linear variables with an application to wind direction and air temperature data in a Mediterranean climate. *Meteorology and Atmospheric Physics*, **130** (2), 259-264.
31. Smyrnis, P., Alexopoulos, A., Sekouris, N., Dimitropoulos, V., Scarpas, G., Vlatis, G. and Papadopoulos, G. (2015). Idiopathic Scoliosis Prevalence Is 5 Times Less in Roma Than Greek Children and Adolescents. *Spine Deformity*, **3**, 253-262.
32. Tseliou, A., Tsiros, I. X., Nikolopoulou. M. and Papadopoulos, G. (2016). Outdoor thermal sensation in a Mediterranean climate (Athens): The effect of selected microclimatic parameters. *Architectural Science Review*, **59** (3), 190-202.
33. Souka, A. P., Papastefanou, I., Papadopoulos, G., Chrelias, C. and Kassanos, D. (2015). Cervical length in late second and third trimester: a mixture model for predicting delivery. *Ultrasound in Obstetrics and Gynecology*, **45** (3), 308-312.

34. Papadopoulos, G. and Voulgari, I. (2013). *Design, Implementation and Assessment of Videoconferencing Sessions in Earth and Life Sciences: The Case of the Agricultural University of Athens. Journal of Agricultural Informatics*, **4 (1)**, 13-27.
35. Bersimis, S., Koutras, M. and Papadopoulos, G. (2014). Waiting time for an almost perfect run and applications in statistical process control. *Methodology and Computing in Applied Probability*, **16 (1)**, 207-222.
36. Patrikakis, C. Z., Protonotarios, V.E., Koukouli, M., Sideridis, A. B. and Papadopoulos, G. (2011). Using online tools and repositories in University courses of Organic Agriculture and Agroecology. *Journal of Information Technology in Agriculture*, **4 (1)**.
37. Souka, A. P., Papastefanou, I., Michalitsi, V., Papadopoulos, G. K. and Kassanos, D. (2011). A predictive model of short cervix at 20-24 weeks using first trimester cervical length measurement and maternal history. *Prenatal Diagnosis*, **31**, 202-206.
38. Souka, A. P., Michalitsi, V. D., Skentou, H., Euripioti H., Papadopoulos, G. K., Kassanos, D., Messinis, I. E. and Salamalekis, E. E. (2010). Attitudes of pregnant women regarding termination of pregnancy for fetal abnormality. *Prenatal Diagnosis*, **30 (10)**, 977-980.
39. Patrikakis, C. Z., Koukouli, M., Papadopoulos, G. K. and Sideridis, A. B. (2009). Evaluating behavioral change in multigroup collaboration for content publishing over the web. *Social Science Computer Review*, **27 (1)**, 59-75.
40. Smyrnis, P., Sekouris, N. and Papadopoulos, G. (2009). Surgical Assessment of the Proximal Thoracic Curve in Adolescent Idiopathic Scoliosis. *European Spine Journal*, **18 (4)**, 522-530.
41. Papadopoulos, G. (2000). Reliability of Consecutively-Connected Systems. *Mentor-A Journal of Scientific and Educational Research, Hellenic Pedagogical Institute*, **2**, 142-148.
42. Aggelis, G., Komaitis, M., Papanikolaou, S., and Papadopoulos, G. (1995). A mathematical model for the study of lipid accumulation in oleaginous microorganisms. II. Study of Cellular of lipids of *Mucor circinelloides* during growth on a Vegetable Oil. *Grasas y Aceites*, **46** Fasc. 4-5, 245-250.
43. Aggelis, G., Komaitis, M., Papanikolaou, S., and Papadopoulos, G. (1995). A mathematical model for the study of lipid accumulation in oleaginous microorganisms. I. Lipid accumulation during growth of *Mucor circinelloides* CBS 172-27 on a Vegetable Oil., *Grasas y Aceites*, **46** Fasc. 3, 169-173.
44. Koutras, M. V., Papadopoulos, G. K. and Papastavridis, S. G. (1996). A reliability bound for 2-dimensional consecutive- k -out-of- $n:F$ systems. *Nonlinear Analysis- Theory, Methods & Applications*, **30 (6)**, 3345-3348.
45. Koutras, M. V., Papadopoulos, G. K. and Papastavridis, S. G. (1995). Runs on a circle. *Journal of Applied Probability*, **32**, 396-404.
46. Koutras, M. V., Papadopoulos, G. K. and Papastavridis, S. G. (1994). Pairwise rearrangements in reliability structures. *Naval Research Logistics*, **41**, 683-687.

47. Koutras, M. V., Papadopoulos, G. K. and Papastavridis, S. G. (1994). Circular overlapping success runs. In *Runs and Patterns in Probability* (Eds. A. P. Godbole and S. G. Papastavridis), Kluwer Academic Publishers, Amsterdam, The Netherlands, 287-305.
48. Koutras, M. V., Papadopoulos, G. K. and Papastavridis, S. G. (1993). Reliability of 2-dimensional consecutive k -out-of- $n:F$ systems. *IEEE Transactions on Reliability*, **42** (4), 658-661.