

## **Publications:**

### a) **Refereed Journals.**

26. Albatineh, A., Al-Taiar, A., Al-Sabah, R., **Zogheib, B.** (2021) Psychometric properties of the Arabic version of the hospital anxiety and depression scale in hemodialysis Patients, Accepted in *Psychology, Health & Medicine*
25. **Zogheib, B.**, Tohidi, E., Basconus, H. M., & Cattani. C. (2021) Method of lines analysis for multi-dimensional coupled viscous Burgers' equations via nodal Jacobi spectral collocation method, *Physica Scripta*, 96(12), 124011. <https://doi.org/10.1088/1402-4896/ac1d82>
24. **Zogheib, B.**, & Daniela, L. (2021) Students' perception of cell phones effect on their academic performance: A Latvian and a Middle Eastern university cases, *Technology, Knowledge and Learning*. <https://doi.org/10.1007/s10758-021-09515-4>
23. Albatineh, A., Wilcox, M., **Zogheib, B.**, & Niewiadomska-Bugaj, M. (2019) How many clusters exist? Answer via maximum clustering similarity implemented in R, *Biostatistics & Epidemiology*, 3:1, 62-79, DOI:10.1080/24709360.2019.1615770
22. Albatineh, A., Wilcox, M., **Zogheib, B.**, & Kibria, G. (2018). Improved confidence interval estimation of the population standard deviation using ranked set sampling: A simulation study. *Journal of Biostatistics and Epidemiology*, 4(3), 173-183. Retrieved from <http://jbe.tums.ac.ir/index.php/jbe/article/view/205>
21. **Zogheib, B.**, & Tohidi, E. (2018). Modal Hermite spectral collocation method for solving multi-dimensional hyperbolic telegraph equations. *Computers and Mathematics with Applications*, (75), 3571-3588, DOI: 10.1016/j.camwa.2018.02.018
20. **Zogheib, B.**, Tohidi, E., & Shateyi, S. (2017). Bernoulli collocation method for solving linear multi-dimensional diffusion and wave equations with Dirichlet boundary conditions. *Advances in Mathematical Physics*, 2017. DOI:10.1155/2017/5691452
19. **Zogheib, B.**, & Tohidi, E. (2017). An accurate space–time pseudospectral method for solving nonlinear multi-dimensional heat transfer problems. *Mediterranean Journal of Mathematics*, 14(1), 30. DOI: 10.1007/s00009-016-0827
18. **Zogheib, B.**, & Tohidi, E. (2016). A new matrix method for solving two-dimensional time-dependent diffusion equations with Dirichlet boundary conditions. *Applied Mathematics and Computation*, 291, 1-13, DOI: 10.1016/j.amc.2016.06.023
17. Awad, M. K., **Zogheib, B.**, & Alazemi, H. M. (2016). On the optimality of escalating penalties for repeat offences against the academic honour code. *Applied Economics*, 48(7), 553-562. DOI:1080/00036846.2015.1078444

16. **Zogheib, B.**, Rabaa'i, A., Zogheib, S., & El Saheli, A. (2015). University Student Perceptions of Technology Use in Mathematics Learning. *Journal of Information Technology Education: Research*, 14, 417-438
15. Albatineh, A. N., Khan, H. M., **Zogheib, B.**, & Kibria, G. B. (2017). Effects of some design factors on the distribution of similarity indices in cluster analysis. *Communications in Statistics-Simulation and Computation*, 46(5), 4018-4038, DOI:10.1080/03610918.2015.1082586
14. **Zogheib, B.**, & El Saheli, A. (2015). Surface Grid Generation. *Applied Mathematical Sciences*, 9(76), 3761-3773, DOI: <http://dx.doi.org/10.12988/ams.2015.54301>
13. **Zogheib, B.**, & El Saheli, A. (2015). Approximations to the t Distribution. *Applied Mathematical Sciences*, 9(49), 2445-2449, DOI: <http://dx.doi.org/10.12988/ams.2015.52148>
12. **Zogheib, B.**, Rabaa'i, A., Zogheib, S., & Saheli, A. E. (2015). University students' acceptance of technology in math classes: does gender matter? *Journal of Emerging Trends in Engineering and Applied Sciences*, 6(4), 273-287
11. Zogheib, S., **Zogheib, B.**, & El Saheli, A. (2015). University Students' Achievement in Mathematics: The Role of Student's Gender, Instructor's Gender, Educational Level, and Experience. *The Mathematics Educator*, 16(1), 75-90
10. Rabaa'i, A. A., **Zogheib, B.**, Al Shatti, A., & AlJamal, E. M. (2015). Adoption of e-government in developing countries: the case of the state of Kuwait. *Journal of Global Research in Computer Science*, 6(10)
9. Rabaa'i, A. A., **Zogheib, B.**, & AlJamal, E. (2015). Personality traits as predictors of social networks addiction among university students. *Journal of Emerging Trends in Engineering and Applied Sciences*, 6(3), 182-195
8. Albatineh, A. N., Kibria, B. G., & **Zogheib, B.** (2014). Asymptotic sampling distribution of inverse coefficient of variation and its applications: revisited. *International Journal of Advanced Statistics and Probability*, 2(1), 15-20, DOI: 10.14419/ijasp.v2i1.1475
7. Albatineh, A. N., Kibria, B. G., Wilcox, M. L., & **Zogheib, B.** (2014). Confidence interval estimation for the population coefficient of variation using ranked set sampling: a simulation study. *Journal of Applied Statistics*, 41(4), 733-751, DOI: 10.1080/02664763.2013.847405
6. Dinkha, J., Mitchell, C., & **Zogheib, B.** (2014). Parental Control: the relationship amongst parental supervision, education, income and children's viewing habits. *American Journal of Humanities and Social Sciences*, 2(3), 157-170, DOI: 10.11634/232907811402563
5. Sahili, A., **Zogheib, B.**, & Barron, R. M. (2013). 3-D Modeling of axial fans. *Applied Mathematics*, 4, 652-658, DOI:10.4236/am.2013.44088
4. **Zogheib, B.**, Zogheib, S., & Sahili, A. (2013). Study of university students' achievement in low-level mathematics classes. *International Journal of Educational Science and Research (IJEER)*, 1(3), 123-130.

3. **Zogheib, B.**, Zogheib, S., & Elshaheli, A. (2012). The role of MathXL in the online learning of algebra,” *Far East Journal of Mathematical Education*, 8(2), 157-168.
2. **Zogheib, B.**, & Barron, R. M. (2011). Velocity–pressure coupling in finite difference formulations for the Navier–Stokes equations. *International Journal for Numerical Methods in Fluids*, 65(9), 1096-1114, DOI:10.1002/flid.2231
1. Awad, M. K., Shen, X. S., & **Zogheib, B.** (2009). Ergodic mutual information of OFDMA-based Selection-Decode-and-Forward cooperative relay networks with imperfect CSI. *Physical Communication*, 2(3), 184-193

b) Conferences

5. **Zogheib, B.** (2019). Using structural equation modelling to study the influence of perceived usefulness and perceived compatibility on students’ attitudes towards using Ipad. *Innovations, Technologies and Research in Education*, 53. ([Web of Science](#), University of Latvia Press)
4. Awad, M. K., **Zogheib, B.**, & Alazemi, H. M. (2015, August). Optimal penalties for misbehavior deterrence in communication networks. In *Communications, Computers and Signal Processing (PACRIM), 2015 IEEE Pacific Rim Conference on* (pp. 381-384). IEEE. DOI: 10.1109/PACRIM.2015.7334866
3. Awad, M. K., **Zogheib, B.**, & Alazemi, H. M. (2013, August). A penalty scheme for academic dishonesty. In *Teaching, Assessment and Learning for Engineering (TALE), 2013 IEEE International Conference on* (pp. 580-584). IEEE. DOI: [10.1109/TALE.2013.6654504](https://doi.org/10.1109/TALE.2013.6654504)
2. Barron, R., & **Zogheib, B.** (2010, November). A finite difference calculation procedure for the Navier-Stokes equation on a staggered curvilinear grid. In *World Academy of Science, Engineering and Technology*, 71, (pp. 698-701)
1. Awad, M. K., Shen, X., & **Zogheib, B.** (2008, November). Uplink ergodic mutual information of OFDMA-based two-hop cooperative relay networks with imperfect CSI. In *Global Telecommunications Conference, 2008. IEEE GLOBECOM 2008. IEEE* (pp. 1-6). IEEE.