1. **Name**
   Bashar Zogheib

2. **Academic Rank**
   Professor of Math, Full time

3. **Degrees**
   M. Ed., (Mathematics Education), Wayne State University, MI, USA,
    2011.

   Ph. D., (Mathematics), University of Windsor, ON, Canada, 2006.

   M. Sc., (Statistics), University of Windsor, ON, Canada, 2002.

   M. Sc., (Mathematics), University of Windsor, ON, Canada, 2001.

   B. Sc., (Mathematics), Beirut Arab University, Beirut, Lebanon, 1998.

4. **Service at this Institution**
   September 2011- Present, Professor of Mathematics, College of Arts and Sciences,
   American University of Kuwait, Kuwait

5. **Professional Experience**
- Professor, Chair of the Department of Mathematics and Natural Sciences, American
  University of Kuwait, Kuwait, September 2021-Present.

- Professor, Associate Dean for Administration, College of Arts and Sciences,
  American University of Kuwait, Kuwait, September 2017-August 2020.

- Associate Professor, Chair of the Department of Mathematics and Natural Sciences,
  American University of Kuwait, Kuwait, September 2014-August 2017.

- Associate Professor, Department of Mathematics and Natural Sciences, American
  University of Kuwait, Kuwait, August 2011-August 2014.

- Associate Professor, MST, Farquhar College of Arts and Sciences, Nova
  Southeastern University, Florida, USA, July 2011-August 2011.

- Assistant Professor, MST, Farquhar College of Arts and Sciences, Nova
  Southeastern University, Florida, USA, August 2007-June 2011.

- Instructor, Department of Mathematics and Statistics, University of
  Windsor, Ontario, Canada, May 2007 - August 2007.

- Visiting Assistant Professor, Department of Mathematics, Millersville University of
  Pennsylvania, Pennsylvania, USA, August 2006 - May 2007.

- Instructor, Department of Mathematics and Statistics, University of Windsor, Ontario, Canada, May 2002 - April 2006.

- Graduate Teaching Assistant, Mathematics and Statistics Dept., University of Windsor, Ontario, Canada, September 1999 - April 2002.

6. Consulting Experience
NA

7. Professional Registration
NA

8. 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., & Elsaheli, 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**., & Elsaheli, 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**., & Elsaheli, 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. Rabaai, 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 (IJESR)*, *1*(3), 123-130.

3. **Zogheib, B**., Zogheib, S., & Elsaheli, 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/fld.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

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.

c) Books

NA

9. Membership in Professional Societies
NA

10. Patents, Honors and awards
NA

11. Courses taught
a) Academic Courses

Math 095 (preparatory Math)
Math 100(College Algebra)
Math 110(Precalculus)
Math 103(Business Math)
Math 201(Calculus I)
Math 203 (Calculus II)
Math 206(Calculus III)
Math 210(Differential Equation)
Stat 201(Introduction to Statistics)
Math 207 (Advanced Engineering Math)
STST 214 (Statistics for Engineering)

b) Intensive professional short courses
   Smart PLS, Hamburg Germany 2015

c) Community Service courses
   NA

12. Other Duties
A) Department of Math & Natural Sciences:
   Associate Dean for Administration, College of Arts and Sciences, September 2017-August 2020.

   Chair, Fall 2014-August 2017 & Fall 2021-Present

B) Underline College
Promotion Committee, **Chair**, 2017-2021
IT Committee, member**,** Fall 2013-Spring 2014
Grade Appeal Committee, **Chair**, Fall 2012-Spring 2013

C) Institution Level
University Strategic Planning Advisory Committee, 2020-Present
Engineering ABET Advisory Committee, 2016-2017
Computer Science ABET advisory Committee, 2016-2017
Student Complaint Against Faculty, **Chair**, Fall 2013-Spring 2014

D) Outside the institution
NA

13. **Research:**Research Grants
- Kuwait University Research Grant, 2012-2013, No. (EO03/13).

- American University of Kuwait Research Grant, 2011-2013 & 2014-2019.

- University of Windsor Research Assistantship, 1999-2006.

- SHARCNET Fellowship, Shared Hierarchical Academic Research Computing Network, ON, Canada, January 2003 - December 2004.

14. **Participation in Specific Programs**
- The 8th International Conference on Pure and Applied Mathematics (ICPAM 2019), Brussels, July 22-25, 2019.

- ATEE (Association for Teacher Education in Europe) Spring Conference, Riga, June 7-8, 2019.

- The 2nd Global Conference on Applied Physics, Mathematics and Computing (APMC-18), Madrid, July 2018.

- International Conference on Materials Science, Dubai, April 2018.

- 32nd International Academic Conference, The International Institute of Social and Economic Sciences, Geneva, June 2017.

- 29th International Academic Conference, The International Institute of Social and Economic Sciences, Rome, April 2017.

- International Journal of Arts and Sciences Conference, Barcelona, May 2016.

- International Journal of Arts and Sciences Conference, Rome, October 2015.

- IEEE Pacific Rim Conference on Communications, Computers and Signal Processing, Vancouver, August 2015.

- International Multidisciplinary Academic Conference, Miami, 2015.

- International Journal of Arts and Sciences Conference, Boston, 2014.

- International Journal of Arts and Sciences Conference, Vienna, 2013.

- Joint Mathematics Meeting, Boston, January 2012.

- International Conference on Applied Mathematics and Engineering Mathematics, Venice, November 2010.

- The 4th Annual International Conference on Mathematics and Statistics, Athens June 2010

- Hawaii International Conference on Statistics, Mathematics and Related Fields, Honolulu, January 2009.

- Hawaii International Conference on Statistics, Mathematics and Related Fields, Honolulu, 2008.

- Joint Mathematics Meeting, New Orleans, January 2007.

- Computational Fluid Dynamics conference, Windsor, Canada, 2002.