NOTRE DAME UNIVERSITY
LOUAIZE
جامعة سيدة اللـــــويــزة

NDU
GAUDIUM DE VERITATE

Mariette Maroun, Ph.D.

Associate Professor
Chairperson, Department of Mathematics & Statistics
O: FNAS 1.13
T: 09 218 950, Ext. 2110, 2619
E: mmaroun@ndu.edu.lb

Biography

I got a B.S. in mathematics from NDU-Louaize in 1999. I taught high school for 2 years then left to the USA to pursue my studies. I got an M.S. in Applied Mathematics from the University of Dayton, Ohio in August 2003 and a Ph.D. in Boundary Value Problems from Baylor University Waco, Texas under the famous distinguished professor Dr. Johnny Henderson in August 2006. I taught as an assistant/associate professor of Mathematics at the University of Louisiana at Monroe. In the summer of 2014, we moved back to Lebanon. Now I am an Associate Professor of mathematics at NDU and currently serving as the Chairperson of the Department of Mathematics and Statistics.

Peer-reviewed Journals

- Dib, Y., Maroun, M., Nakad, R., Raffoul, Y. (2024). Qualitative Analysis of Non-linear Volterra Integral Equations on Time Scales using a combination of Resolvent and Lyapunov Functionals. Submitted for publication in Archivum Mathematicum.
- Dib, Y., Roumieh, N., Saab, G., Maroun, M. (2019). Effect of Feedback on eBay Seller's Business Using Markov Chain. Journal of Mathematical Finance(9), 325-344.
- Maroun, M. (2006). Positive Solutions to an Nth-Order Right Focal Boundary Value Problem. Electronic Journal of Qualitative Theory of Differential Equations (3), 1-12.
- Maroun, M. (2005). Positive Solutions to a Third-Order Right Focal Boundary Value Problem. Communications on Applied Nonlinear Analysis, 12(3), 71-82.
- Raffoul, Y. N., Maroun, M., Dib, Y. Periodicity and Stability in Neutral Nonlinear Differential Equations with Functional Delay. Electronic Journal of Differential Equations, 2005(142), 1-11.
- Maroun, M., Raffoul, Y. N. (2005). Periodic Solutions in Nonlinear Neutral Difference Equations with Functional Delay. Journal of Korean Mathematical Society (42), 255-268.

Chapters in Books

- Strunk, B. D., Strunk, C. C., Maroun, M., Kaleem, F., Saydam, A. S., Hare, D., Seeber, S., Carter, A., Smith, E., Picard, A. (2008). College Algebra (vol. 1, pp. 149-226). London: Pearson.

Exhibitions, Competitions and Creative Work

- Invited Manuscript Reviewer, Review Journal Article, Advances in Dynamical Systems and Applications. (August, 2019 - October, 2019).
- Invited Manuscript Reviewer, Review Journal Article, International Journal of Difference Equations. (April 15, 2011 - October 27, 2011).

- Invited Manuscript Reviewer, Review Journal Article, Electronic Journal of Differential Equations. (March 23, 2011 - May 30, 2011).
- Invited Manuscript Reviewer, Edit Book, "Introduction to Applied Partial Differential Equations", W. H. Freeman Publishing. (August 2009 - December 2009).
- Invited Manuscript Reviewer, Review Journal Article, Computers and Mathematics with Applications. (March 2008 - June 2008).
- Invited Manuscript Reviewer, Review Journal Article, Journal of Dynamical and Control Systems. (September 27, 2007 - January 19, 2008).
- Invited Manuscript Reviewer, Review Journal Article, Communications in Mathematical Analysis. (March 8, 2007 - September 15, 2007).
- Invited Manuscript Reviewer, Review Journal Article, Communication on Applied Nonlinear Analysis. (February 2006 - April 2006).

Presentations Given

- Maroun, M. (Presenter & Author), Department of Mathematics and Physics Research Colloqium, Department of Mathematics and Physics, University of Louisiana at Monroe.
- Strunk, B. D. (Presenter Only), Maroun, M. (Presenter Only), Magoun, A. D. (Author Only), Saydam, A. S. (Author Only), Owens, C. (Author Only), AMS MAA JMM 2010, "Reversing the Pattern of Low Performance in College Algebra Using the National Center for Academic Transformations' Roadmap Model," AMS/MAA, San Francisco, CA. (January 2010).
- Maroun, M. (Presenter & Author), Dib, Y. (Author Only), Sectional AMS Meeting, "Permanence of the Water Hyacinth in Northeast Louisiana.," invited speaker, AMS- American Mathematical Society, Florida Atlantic University-Boca Raton-Florida. (October 31, 2009).
- Maroun, M. (Presenter & Author), The Second International Conference on Mathematical Modeling and Analysis of Populations in Biological Systems, "Permanence of the Water Hyacinth in Northeast Louisiana", invited speaker, National Science Foundation, University of Alabama, Huntsville. (October 9, 2009).
- Magoun, A. D. (Author Only), Saydam, A. S. (Author Only), Owens, C. (Author Only), Smith, E. (Author Only), Richters, S. (Author Only), Dib, Y. (Presenter Only), Maroun, M. (Presenter Only), 2009 92nd Meeting of the Mathematical Association of American (MAA), "Integrating College Algebra with Modularity and Technology (jCAM&t): A first year Follow-up," American Mathematical Society (AMS), Washington, DC January 5-8 2009. (January 7, 2009).
- Maroun, M. (Presenter & Author), Department of Mathematics and Physics Research Colloqium, "Introduction to Time Scale and Existence of Positive Solutions to n^{th} Order Boundary Value Problem," Department of Mathematics and Physics, University of Louisiana at Monroe. (May 7, 2008).
- Maroun, M., Southeastern-Atlantic Regional Conference in Differential Equations, "Positive Solutions to an Nth-Order Right Focal Boundary Value Problem." (October 27, 2006).
- Maroun, M. (Presenter & Author), Texas Section MAA Meeting, "Positive Solutions to a Third-Order Right Focal Boundary Value Problem," MAA, Wichita Falls. (April 7, 2006).
- Maroun, M. (Presenter & Author), AMS/MAA National Joint Mathematics Meeting, "Positive Solutions to an Nth Order Right Focal Boundary Value Problem," AMS/MAA, San Antonio, Texas. (January 14, 2006).
- Maroun, M. (Presenter & Author), Southeastern-Atlantic Regional Conference in Differential Equations, "Positive Solutions to a Third-Order Right Focal Boundary Value Problem," National Science Foundation, Dayton, Ohio. (October 7, 2005).
- Maroun, M. (Presenter & Author), American Mathematical Society Sectional Meeting, "Periodic Solutions in Nonlinear Neutral Difference Equations with Functional Delay," AMS, Bloomington, Indiana. (April 6, 2003).

Esteemed Indicators

Member of the following associations:

- AWM- Association of Women in Mathematics. (January 2009 - Present).
- NELATM- Northeast Louisiana Association of Teachers of Mathematics. (March 2007 - Present).
- KME- Kappa Mu Epsilon. (March 2006 - Present).
- AMS- American Mathematical Society. (August 2001 - Present).
- LATM- Louisiana Association of Teachers of Mathematics. (March 2007 - March 2008).
- LSMS- Lebanese Society for Mathematical Sciences (May 2015- Present).