



Eman A. Ziada

Associate Prof.

EDUCATION

- Ph.D., Engineering Mathematics, University of Mansoura, 2010
- M.Sc., Engineering Mathematics, University of Mansoura, 2007
- B.Sc., Computer Science and Systems, University of Mansoura, 2002

ACADEMIC EXPERIENCE (FULL-TIME)

- Lecturer of engineering mathematics, Nile higher institute for engineering and technology, 2014 – Present.
- Lecturer of engineering mathematics, Faculty of engineering, Delta University for Science and Technology, 2009 - 2014.
- Associative lecturer of engineering mathematics, Faculty of engineering, Mansoura University, 2002 - 2009.

NON-ACADEMIC EXPERIENCE (FULL TIME)

None.

PROFESSIONAL REGISTRATIONS/CERTIFICATIONS

- Egyptian Mathematical Association, Member.

PROFESSIONAL ORGANIZATIONS

- Mansoura University, Faculty of engineering.

HONORS AND AWARDS

- Second place winner annual Research ! Applied Numerical Mathematics, 2010. (For her research in fractional differential equations).
- Second Best Paper Award in ANM (Applied Numerical Mathematics, fractional differential equations), 2010.
- One year Membership free for ANM Award, 2010.

SERVICE ACTIVITIES (INTERNAL AND EXTERNAL)

None.

PUBLICATION LIST

1. M. A. El-Sayed, E. A. A. Ziada, and H. H. G. Hashem, Numerical solution of an integral equation of Chandrasekhar type in the theory of radiative transfer, International Journal of Advances in Science Engineering and Technology (IJASEAT), Vol. 5, issue 4 (2017), pp. 27-31.
2. E. A. A. Ziada, On the Analytical and numerical solutions of a multi-term nonlinear differential equation with deviated arguments, Electronic Journal of Mathematical Analysis and Applications, Vol. 8(1) Jan. 2020, pp. 227-235.
3. E. A. A. Ziada, Solution of coupled system of Cauchy problem of nonlocal differential equations, Electronic Journal of Mathematical Analysis and Applications Vol. 8(2) July



2020, pp. 220-230.

4. On the Analytical and numerical solutions of a multi-term nonlinear differential equation with deviated arguments, 2020, Electronic Journal of Mathematical Analysis and Applications.
5. Solution of coupled system of Cauchy problem of nonlocal differential equations, 2020, Electronic Journal of Mathematical Analysis and Applications.
6. Analytical Solution of Nonlinear System of Fractional Differential Equations, 2021, Journal of Applied Mathematics and Physics.
7. ANALYTICAL SOLUTION FOR MULTI-TERM FRACTIONAL DELAY DIFFERENTIAL EQUATIONS, 2021, Asian Journal of Mathematics and Computer Research
8. Picard and Adomian Solutions of a Nonlocal Cauchy Problem of a Delay Deferential Equation, 2021, Asian Research Journal of Mathematics.
9. Solution of Nonlinear System of Fractional Differential Equations, 2021 , International Journal of Mathematics Trends and Technology.
10. Analytical solution of linear and nonlinear fractional differential equations , 2021, Nile Journal of Basic Science.
11. Analytical solution of Abel integral equation, 2021, Nile Journal of Basic Science.
12. Solution of Nonlinear Fractional Differential Equations Using Adomain Decomposition Method, 2021, International Journal of Systems Science and Applied Mathematics .
13. Solution of system of nonlinear fractional differential equations, 2021, HFSP Journal.

PROFESSIONAL DEVELOPMENT

- Attended the 1st Annual Conference of Faculty of Science - Alexandria University – Egypt - entitled "Fractional Calculus and its Application" 2009 Attended the Conference of Faculty of Science - Alexandria University – Egypt - entitled "Differential Equations and its Application" 2010.
- Attended the Conference of France University – Egypt - entitled "Egypt France Mathematical Conference" 2010.
- Attended the Conference of Faculty of Science - Alexandria University – Egypt - entitled "Basics of Fractional Calculus" 2010.
- Attended the 10th Annual International Conference for Information of Faculty of Engineering - Delta University for Science and Technology – Egypt - entitled "Information Technology Role in Development" 2010.
- Attended the Conference of Faculty of Science - Alexandria University – Egypt - entitled "Basics of Fractional Calculus" 2012.
- Attended the Conference of Egyptian Mathematical Association – Egypt – 2012.
- Attended the Conference of Faculty of Science - Alexandria University – Egypt - entitled "Basics of Fractional Calculus" 2013.
- Attended the Conference of Faculty of Science - Alexandria University – Egypt - entitled "Basics of Fractional Calculus" 2014.
- Attended the 1st National Mathematical Conference – Egypt – 2014.
- Attended the Conference of Faculty of Science - Alexandria University – Egypt - entitled "Basics of Fractional Calculus" 2015.
- Attended the Conference of Faculty of Science - Alexandria University – Egypt - entitled "Basics of Fractional Calculus" 2016.



- Attended the summer school as invited speaker which held on Faculty of Science - Alexandria University – Egypt (2016).
- Attended the Conference of Faculty of Science - Alexandria University – Egypt - entitled "Fractional Calculus and its applications" 2019.

TRAINING WORKSHOPS

1. Teaching quality standards in the period 19-20 September 2017 at the University Performance Development Center at Mansoura University UDC.
2. The credit hours system in the period 19-20 September 2017 at the University Performance Development Center at Mansoura University UDC.
3. Application and Common Academic Rules NARS 2018 Engineering Sector - (5-6 / 7/2020) - Nile Higher Institute of Engineering and Technology.
4. Description of programs and courses according to NARS 2018 Engineering Sector - (12-13 / 7/2020) - Higher Nile Institute of Engineering and Technology.
5. E-learning - (6-7 / 9/2020) - Nile Higher Institute of Engineering and Technology.
6. Using electronic platforms - (20-21/9/2020) - The Nile Higher Institute for Engineering and Technology.
7. The system of credit hours and academic advising - (4-5/10/2020) - Nile Higher Institute for Engineering and Technology.
8. Hybrid Education - (10-11/10/2020) - Nile Higher Institute of Engineering and Technology.
9. Fundamentals of Scientific Research - (2-3/12/2020) - Nile Higher Institute of Engineering and Technology.
10. Statistical analysis using the SPSS program (2-3/1/2021) The Nile Higher Institute for Engineering and Technology.
11. Internal Audit - (2-3/1/2022)- Nile Higher Institute of Engineering and Technology
12. External review - (6-7/2/2022) - Nile Higher Institute for Engineering and Technology.
13. Effective Communication Skills - (22-23/1/2022) - The Nile High Institute for Engineering and Technology.