CURRICULUM VITAE

Fatma zedan Elmetwally Elmetwally Elemam

PERSONAL DATA:

Name	*Fatma zedan Elmetwally Elemam*
Date of birth	10/ 12/ 1971
Nationality	Egyptian
Marital Status	Married
Address	Delta Higher Institute for Engineering and Technology, Mansoura, Egypt.
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UNIVERSITY EDUCATION:

1. Ph.D., 2011

• Pure Mathematics (Complex Analysis)

- Mathematics Department, Faculty of Science, Mansoura University, Egypt
- Supervisors: Professor M.K. Aouf, A. Shamandy and A.O. Mostafa
  - Thesis title "Some applications of differential subordination to certain classes of analytic functions"

2. **M.Sc., 2000**
- Pure Mathematics (Differential Equations)
- Mathematics Department, Faculty of Science, Mansoura University, Egypt
- Supervisors: Professor: A. Shamandy, S.F. Tadros and M.Y. Barsoom
  - Thesis title: "Study on qualitative behaviour of neutral delay differential equations"

3- B. Sc.: Mansoura University – May 1993
  - Mathematics.

PROFESSIONAL EXPERIENCE :
- 16-4-2023 till now: Associate Professor at Delta Higher Institute for Engineering and Technology, Mansoura, Egypt.
- From 19-10- 2013 to 15-4-2023 : Assistant Professor, Delta Higher Institute for Engineering and Technology, Mansoura, Egypt
  During this period I teach the following courses:
  1- Statistics and Probability Theory
  2- Mathematics 1
  3- Mathematics 2
  4- Mathematics 3
  5- Mathematics 4
  6- Mathematics 5

- Lecturer of Mathematics: Mathematics Department, Faculty of Science (Girls Branch), Jazan University, Kingdom of Saudi Arabia, from 3-8-1423 to 5-10-1432. During this period I teach a lot of pure Mathematics courses to the under graduate students in the faculties of Science and Girls college.

WORK EXPERIENCE:

I worked as a staff member for the following courses:

1- Complex Analysis
2- Mathematical Analysis
3- General Mathematics
4- Differential Equations
5- Numerical Analysis
6- Calculus
7- Abstract Algebra
8- Analytic Geometry
9- Probability and Statistics
10- Linear Algebra

<u>بيان بالدورات التدريبية:</u>

1-حضرت دورة استراتيجيات التدريس و التعليم الفعال لكليات و معاهد التعليم العالى فى الفترة من 25 الى 26 اكتوبر 2020   بمعهد الدلتا العالى للهندسة و التكنولوجيا.

2- حضرت دورة معايير الجودة فى العملية التعليمية فى الفترة من 16 الى 17 يناير 2022 بجامعة بورسعيد.

3- حضرت دورة نظام الساعات المعتمدة فى الفترة من 23 الى 24 يناير 2022 بجامعة بورسعيد.

4- حضرت دورة مهارات العرض الفعال فى الفترة من 26 الى 27 يناير 2022 بجامعة بورسعيد.

5- حضرت دورة التطوير التنظيمى فى المؤسسات التعليمية فى الفترة من 13 الى 14 فبراير 2022 بجامعة بورسعيد.

6- حضرت دورة ادارة الفريق البحثى فى الفترة من 16 الى 17 فبراير 2022 بجامعة بورسعيد.

7- حضرت دورة اتخاذ القرارات و حل المشكلات فى الفترة من 20 الى 21 فبراير 2022 بجامعة بورسعيد.

LIST OF PUBLICATIONS

أولا : أبحاث مستخلصة من رسالة الدكتوراه:

[1] M.K. Aouf, A. Shamandy, A.O. Mostafa and **F.Z. El-Emam**, Subordination results associated with β-uniformly convex and starlike functions, Proc. Pakistan Acad. Sci., 46 (2009), no.2, 97-101.

[2] M.K. Aouf, A. Shamandy, A.O. Mostafa and **F.Z. El-Emam**, On sandwich theorems for multivalent functions involving certain operator, Proc. Pakistan Acad. Sci., 47 (2010), no.2, 95-102.

[3] M.K. Aouf, A. Shamandy, A.O. Mostafa and **F.Z. El-Emam**, Various properties of a certain class of multivalent analytic functions, Studia Univ. Babes-Bolyai Math., 55 (2010), no.3, 21-40.

[4] M.K. Aouf, A. Shamandy, A.O. Mostafa and **F.Z. El-Emam**, Differential sandwich theorems for multivalent functions involving certain operator, Acta Univ. Apulensis, 27 (2011) 87-98.

[5] M.K. Aouf, A. Shamandy, A.O. Mostafa and **F.Z. El-Emam**, Argument estimates of certain meromorphically p-valent functions associated with a family of linear operator, Math. Slovaca, 61 (2011), no. 6, 1–14.

[6] M.K. Aouf, A. Shamandy, A.O. Mostafa and **F.Z. El-Emam**, Inclusion properties of certain classes of meromorphic functions associated with the Wright generalized hypergeometric function, Comput. Math. Appl., 61 (2011) 1419-1424.

[7] M.K. Aouf, A. Shamandy, A.O. Mostafa and **F.Z. El-Emam**, Inclusion properties of certain subclasses of analytic functions associated with the Dziok-Raina operator, General Math., 21 (2013), No. 1, 57-72.

ثانيا : أبحاث أجريت بعد الدكتوراه:

[8] M.K. Aouf, A. Shamandy, A.O. Mostafa and **F.Z. El-Emam**, On sandwich theorems for multivalent functions involving a generalized differential operator, Comput. Math. Appl., 61 (2011) 2578–2587.

[9] M.K. Aouf, A. Shamandy, A.O. Mostafa and **F.Z. El-Emam**, On Certain Subclasses of Meromorphically p-Valent Functions Associated with Integral Operators, Eur. J. Pure Appl. Math., 4 (2011), no. 4, 435-447.

[10] M.K. Aouf, A. Shamandy, A.O. Mostafa and **F.Z. El-Emam**, Some Inclusion Relationships and Integral-Preserving Properties of Certain

Subclasses of p-Valent Meromorphic Functions Associated with a Family of Linear Operator, Math. Slovaca, , 62 (2012) , no. 3, 1–14.

[11] A. Y. Lashin and **F. Z. El-Emam**, On subclasses of analytic functions with fixed second coefficients, J. Comput. Anal. Appl., 26 (2019), no. 7, 1200-1207. (http://www.scopus.com/inward/record.url?eid=2-s2.0-85045530461&partnerID=MN8TOARS)

[12] **Fatma El-Emam**, Properties of certain subclasses of meromorphically p-valent functions associated with certain integral operator, J. Math., 2020 (2020), Article ID 8509726, 7 pages.

(https://doi.org/10.1155/2020/8509726)

[13] Abdel Moneim Lashin and **Fatma Z. El-Emam**, Faber polynomial coefficients for certain subclasses of analytic and biunivalent functions, Turk. J. Math., 44 (2020), 1345 – 1361. (DOI: 10.3906/mat-2002-7)

[14] **F. Z. El-Emam**, Inclusion properties of certain subclasses of analytic functions involving Mittag-Leffler function, Turk. J. Comput. Math. Educ., 12 (2021), no. 14, 3722-3732.

(https://turcomat.org/index.php/turkbilmat/article/view/11005)

[15] Adela Osman Mostafa, Mohamed Kamal Aouf and **Fatma Z. El-Emam**, Starlike and convex functions of complex order involving generalized multiplier transformations, Math. Bohem., 146 (2021), no. 3, 305–313. (DOI: 10.21136/MB.2020.0188-19)

[16] **Fatma Z. El-Emam,** Convolution conditions for two subclasses of analytic functions defined by Jackson *q*-difference operator, J. Egypt. Math. Soc., 30 (2022), 1–10. (https://doi.org/10.1186/s42787-022-00141-2)

[17] M. K. Aouf 1 and Fatma Z. El-Emam, Fekete–Szego problems for certain classes of meromorphic functions involving q-Al-Oboudi differential operator, J. Math., 2022 (2022), Article ID 4731417, 10 pages. (https://doi.org/10.1155/2022/4731417)

[18] A. Y. Lashin and **F. Z. El-Emam**, A generalized class of α-convex functions with respect to n-symmetric points, Asian-Eur. J. Math., 5 (2022), 1-11. (https://doi.org/10.1142/S1793557122500991)

[19] A. Y. Lashin and **Fatma Z. El-Emam**, On Certain Classes of Multivalent Analytic Functions Defined with Higher-Order Derivatives, *Mathematics* 2023, *11*(1), 83. (https://doi.org/10.3390/math11010083)