

# Curriculum Vitae

**Dr. Ala Ali Nemer Amourah**

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## Personal information

Citizenship	<b>Jordanian</b>
Date of birth	<b>November 30<sup>Th</sup>, 1983</b>
Address	<b>Irbid, Jordan</b>
Marital status	<b>Married</b>

## Qualifications

Date	<b>Jan 2014 - Jan 2017</b>
Title of qualification awarded	<b>Ph.D. in Mathematics. (Complex Analysis)</b>
Name of organisation	<i>National University Malaysia (UKM).</i>
Ph.D. Thesis title	<i>On certain classes of p-valent functions and related topics in Geometric Function Theory.</i>
Date	<b>Jan 2013 - Jan 2014</b>
Title of qualification awarded	<b>M.Sc. in Mathematics with Excellent Rating. (Complex Analysis)</b>
Name of organisation	<i>National University Malaysia (UKM).</i>
Master Thesis title	<i>On certain operator and subclass of analytic p-valent functions.</i>
Date	<b>Jan 2009 - Aug 2010</b>
Title of qualification awarded	<b>Professional Diploma in Education.</b>
Name of organisation	<i>Faculty of Educational Sciences and Arts, UNRWA.</i>
Date	<b>Sep 2001–Aug 2005</b>
Title of qualification awarded	<b>B.Sc. degree in Mathematics with a Very Good Rating.</b>
Name of organisation	<i>Al al-Bayt University.</i>

## Personal skills and competences

Computer skills (software) and competences	Word processing, spreadsheets in Excel, Power Point, LATEX, Endnote. <b>ICDL:</b> International Computer Drive License.
Areas of research interests	<b>Geometric Function Theory:</b> (Analytic and Univalent Functions, Starlike and Convex Functions, p-valent Functions, Meromorphic Functions ).

<b>Work experience</b>	
Dates	<b>Oct 2017 - Present</b>
Occupation or position held	Assistant Professor in Mathematics.
Name of employer	Irbid National University (Jordan).
Dates	<b>June 2014 – Feb 2015</b>
Occupation or position held	Graduate Research Assistant.
Name of employer	<i>National University Malaysia (Malaysia).</i>
Dates	<b>Aug 2006 – Jan 2013</b>
Occupation or position held	Teacher of Mathematics.
Name of employer	UNRWA Schools (Jordan).
Dates	<b>Aug 2005 – Aug 2006</b>
Occupation or position held	Teacher of Mathematics.
Name of employer	Ministry of Education (Jordan).

- **Training and Workshops:**

1. Workshop for Geometric Function Theory (GFT). Group 2015 UKM, Prof. D. K. Thomas from Swansea University, Wales, U.K.
2. Session in advanced research methodology, May 2014.
3. Workshop in Geometric Function Theory (GFT). Group 2013 UKM, Prof. Daniel Breasz from University of Alba Iulia.

- **Editorial Boards:**

1. General Letters in Mathematics (GLM).

- **Referee of several international mathematical journals including:**

1. Italian Journal of Pure and Applied Mathematics. (SCOPUS).
2. Mathematics and Statistics (SCOPUS).
3. Demonstratio Mathematica. (SCOPUS).
4. TWMS Journal of Applied and Engineering Mathematics (SCOPUS).
5. Journal of advances in Mathematics.

- Courses Taught

Calculus1, Calculus2, Calculus3, Foundation of Mathematics , Set Theory and Logic, Real Analysis1, Real Analysis2, Complex Analysis1, Complex Analysis2 , Mathematical Methods, Complex Analysis (Master program).

- Thesis Supervised at Master Level:

1. Anas Alelaumi " A Study on Certain Classes of Univalent Functions ".
2. Ola Dalala'a " A Study on Certain Operators and Subclasses of P-valent Functions".
3. Emad Alharahsheh" Certain Subclasses of Bi-univalent Functions".
4. Omar Al-Najar " On Feket-Szego Functional Problem for Bi-univalent Functions".
5. Yazan Abu-Darbeyeh " Coefficient Bounds for Subclasses of Bi-univalent Functions".
6. Ahmad Abu Alasal " Coefficient Estimates of Certain Subclasses of Bi-Bazilevic Functions".
7. Bashar Al Shlool " Gegenbauer Polynomials Coefficient Bounds for Subclass of Bi-Univalent Functions".
8. Saja Alghazo " Certain Subclasses of Analytic and Bi-Univalent Functions of Order Complex".

## ● Publications:

1. Al-Hawary, T., **A. A. Amourah**, and Maslina Darus. "Differential sandwich theorems for  $p$ -valent functions associated with two generalized differential operator and integral operator." International Information Institute (Tokyo). Information 17.8 (2014): 3559.
2. Al-Hawary, T., **Amourah, A. A.**, Yousef, Feras, and Maslina Darus. "A certain fractional derivative operator and new class of analytic functions with negative coefficients." International Information Institute (Tokyo). Information 18.11 (2015): 4433.
3. **Amourah, A. A.**, et al. "A certain fractional derivative operator for  $p$ -valent functions and new class of analytic functions with negative coefficients." Far East Journal of Mathematical Sciences 99.1 (2016): 75.
4. **Amourah, A. A.**, et al. "On a Class of  $p$ -Valent non-Bazilevič Functions of Order  $\mu + i\beta$ ." International Journal of Mathematical Analysis 10.15 (2016): 701-710.
5. **Amourah, A. A.**, T. Al-Hawary, and Maslina Darus. "On certain subclass of  $p$ -valent functions with negative coefficient associated with a new generalized operator." Journal of Analysis and Applications 14.1 (2016): 33-48.
6. Yousef, Feras, **A. A. Amourah**, and M. Darus. "DIFFERENTIAL SANDWICH THEOREMS FOR  $p$ -VALENT FUNCTIONS ASSOCIATED WITH A CERTAIN GENERALIZED DIFFERENTIAL OPERATOR AND INTEGRAL OPERATOR." Italian Journal of Pure and Applied Mathematics (2016).
7. **Amourah, A. A.**, Tariq Al-Hawary, and M. Darus. "Neighborhoods of certain  $p$ -valent analytic functions defined by a generalized differential operator." International Information Institute (Tokyo). Information 19.9B (2016): 3943.
8. **Amourah, A. A.**, and Maslina Darus. "Some Properties of a New Class of Univalent Functions Involving a New Generalized Differential Operator with Negative Coefficients." Indian Journal of Science and Technology 9.36 (2016).
9. **Amourah, A. A.**, Tariq Al-Hawary, and M. Darus. "Some Properties of the Class of Univalent Functions Involving a New Generalized Differential Operator." Journal of Computational and Theoretical Nanoscience 13, (2016): 6797–6799.
10. **Amourah, A. A.**, Feras Yousef, Tariq Al-Hawary, and M. Darus. "On  $H_3(p)$  hankel determinant for certain subclass OF  $p$ -valent functions." Italian Journal of Pure and Applied Mathematics (2017): 611-618.
11. **Amourah, A. A.**, Tariq Al-Hawary, and M. Darus. " Problems and Properties for  $p$ -Valent Functions Involving a New Generalized Differential Operator." Thai Journal of Mathematics (2017)

### **PUBLICATIONS AFTER PHD:**

12. **Amourah, A. A.** and Feras Yousef. " Some Properties of a Class of Analytic Functions Involving a New Generalized Differential Operator. " Boletim da Sociedade Paranaense de Matemática (2018).
13. **Amourah, A. A.** and Mohamed Illafe. " A Comprehensive Subclass of Analytic and Bi-Univalent Functions Associated with Subordination. " Palestine Journal of Mathematics (2019).
14. Abdallah Alhusban, and **Amourah, A. A.** " Bipolar Complex Fuzzy Sets. " Italian Journal of Pure and Applied Mathematics (2019).
15. **Amourah, A. A.** " FABER POLYNOMIAL COEFFICIENT ESTIMATES FOR A CLASS OF ANALYTIC BI-UNIVALENT FUNCTIONS. " AIP Conference Proceedings (2019).
16. **Amourah, A. A.**, A. G. Alamoush and M. Darus. " On Generalized  $p$ -Valent non-Bazilevič Functions of Order  $\mu + i\beta$ ". Journal of Mathematics and System Science (2019).
17. **Amourah, A. A.** " INITIAL BOUNDS FOR ANALYTIC AND BI-UNIVALENT FUNCTIONS BY MEANS OF  $(p; q)$ -CHEBYSHEV POLYNOMIALS DEFINED BY DIFFERENTIAL OPERATOR. " General Letters in Mathematics (2019).
18. **Amourah, A. A.** " FEKETE-SZEG• O INEQUALITY FOR ANALYTIC AND BI-UNIVALENT FUNCTIONS SUBORDINATE TO  $(p; q)$ -LUCAS POLYNOMIALS. " TWMS Journal of Applied and Engineering Mathematics (2019).
19. **Amourah, A. A.**, A. Aljarah and M. Darus." **Hankle determinant for starlike and convex functions of order.** " International Journal of Science and Applied Information Technology (2019).
20. Tariq Al-Hawary, **A.A. Amourah** and Laith Abualigah.." Neighborhoods of a class of analytic functions with negative coefficients associated with Jackson's  $(p, q)$ -derivative". **International Journal of Science and Applied Information Technology (2019).**
21. **Amourah, A. A.**, H. ABDELKARIM and ANAS ALELAUMI."  $(p, q)$ -CHEBYSHEV POLYNOMIALS AND THEIR APPLICATIONS TO BI-UNIVALENT FUNCTIONS". **TWMS Journal of Applied and Engineering Mathematics (2020).**

**22. Amourah, A. A, OLA DALALAA, AND ANAS ALELAUMI.**" NEIGHBORHOODS OF CERTAIN  $p$ - VALENT ANALYTIC FUNCTIONS DEFINED BY USING GENERALIZED DIFFERENTIAL OPERATORS ". *General Letters in Mathematics* (2020).

**23. M Al-Kaseasbeh, A Alamoush, A Amourah, and A Aljarah,** " Subclasses of Spirallike Functions Involving Convolved Differential Operator. " *Int. J. Open Problems Complex Analysis* (2020).

**24. Amourah, A. A,** Adnan Al Amoush, and Mohammad Al-Kaseasbeh, " Gegenbauer Polynomials and Bi- univalent Functions. " *Palestine Journal of Mathematics* (2021).

**25. Amourah, A. A,** " FEKETE-SZEGO INEQUALITY FOR ANALYTIC AND BI-UNIVALENT FUNCTIONS SUBORDINATE TO HORADAM POLYNOMIALS. " *Italian Journal of Pure and Applied Mathematics* (2021).

**26. Amourah, A. A ,** Tariq Al-Hawary, and B. A. Frasin. " Application of Chebyshev polynomials to certain class of bi-Bazilevič functions of order  $a+ib$ . " *Afrika Matematika* (2021).

**27. Amourah, A. A,** B. A. Frasin, G. Murugusundaramoorthy, and Tariq Al-Hawary. " Bi-Bazilevic functions of order  $a+ib$  \_ associated with  $(p; q)$ - Lucas polynomials." *AIMS Mathematics* (2021).

**28. Amourah, A. A,** B. A. Frasin, and Thabet Abdeljawad. " FEKETE-SZEGÖ INEQUALITY FOR ANALYTIC AND BI-UNIVALENT FUNCTIONS SUBORDINATE TO GEGENBAUER POLYNOMIALS." *function space* (2021).

**29. Amourah, A. A,** B. A. Frasin, and G. Murugusundaramoorthy " On certain subclasses of uniformly spirallike functions associated with Struve functions" *Journal of Mathematical and Computational Science* (2021).

**30. Tariq Al-Hawary, Amourah, A. A ,** and B. A. Frasin " Fekete–Szegő inequality for bi-univalent functions by means of Horadam polynomials" *Boletin de la Sociedad Matematica Mexicana* (2021).

**31. Amourah, A. A,** B. A. Frasin, M. Ahmad, and F. Yousef " Exploiting the Pascal Distribution Series and Gegenbauer Polynomials to Construct and Study a New Subclass of Analytic Bi-Univalent Functions" *Symmetry* (2022).

**32. M. Illafe, Amourah, A. A,** and M. Haji Mohd " Coefficient Estimates and Fekete–Szegő Functional Inequalities for a Certain Subclass of Analytic and Bi-Univalent Functions" *Axioms* (2022).

**33. Amourah, A. A,** M Alomari, F Yousef, and A Alsoboh " Consolidation of a Certain Discrete Probability Distribution with a Subclass of Bi-Univalent Functions Involving Gegenbauer Polynomials" *Mathematical Problems in Engineering* (2022).

**34. Amourah, A. A,** B. A. Frasin, Swamy, S.R, and Sailaja, Y. " Coefficient bounds for Al-Oboudi type bi-univalent functions connected with a modified sigmoid activation function and  $k$ -Fibonacci numbers" *Journal of Mathematics and Computer Science* (2022).

**35. Feras Yousef , Amourah, A. A,** B. A. Frasin, and Teodor Bulboaca " An Avant-Garde Construction for Subclasses of Analytic Bi-Univalent Functions" *Axioms* (2022).

- Publication Citation Summary:

1. *On Google Scholar*: **Total Citations**: 234. **h-index**: 13.

**Google scholar profile**: <https://scholar.google.com/citations?user=D2kC6x8AAAAJ&hl=ar>

2. *On Research Gate*: **RG Score**: 10.

**Research gate profile**: [https://www.researchgate.net/profile/Ala\\_A\\_Amourah](https://www.researchgate.net/profile/Ala_A_Amourah)

- Research Conferences:

1. AIP Conference Proceedings. Eds, UKM. April 2015.

2. The 5th International Conference on Computer Science and Computational Mathematics (ICCSCM2016) Langkawi, Malaysia, May 2016.

3. Second International Conference of Mathematics (SICME 2019) Erbil.

4. The 6th International Arab Conference on Mathematics and Computations (IACMC 2019).

5. The 3rd International Computer Sciences and Informatics Conference (ICSIC 2019).

6. The 7th International Arab Conference on Mathematics and Computations (IACMC 2022).

- References:

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