

C.V

CV of member of Mathematical Department Faculty of Education- Benghazi

name/ Nagat Muftah Mustafa Alabbar	Major / Mathematical	Scientific Degree: Professor
Email/ nagatalabar75@gmail.com nagat.alabbar@uob.edu.ly	Phone Number: 0944559481	Qualification / Phd "Doctor
Google scholar: https://scholar.google.com/citations?user=O3a1OxgAAAAJ&hl=ar	ORCID: https://orcid.org/0009-0003-3243-9034	Research Gate :https://www.researchgate.net/profile/Nagat-Alabbar/research

First: Academic Qualifications

Degree	Year of Award	Affiliation Institution	Major
Bsc	1998	University of Benghazi Faculty of Sciences Department of Mathematical	Mathematical
Master	2003	University of Benghazi Faculty of Sciences Department of Mathematical	Mathematical
PHD	2013	Universiti Kebangsaan Malaysia School of Mathematical Sciences Faculty of Science and Technology	Mathematical

Second: Work Experience :

Job Nature	Employer Name	From	To
Teacher	Secondary Al Bayan school	2000	2001
Teacher	Al Bashaer primary school	2001	2004
Assistant lecture	Faculty of Art and science Al –Marj (Collaborator)	2004	2005
Assistant lecture	University of Benghazi Faculty of Education	2004	2008
Lecture	University of Benghazi Faculty of Education	2014	26\3\2017
Assistant Professor	University of Benghazi Faculty of Education	26\3\2017	21\10\2020
Associate Professor	University of Benghazi Faculty of Education	21\10\2020	8\12\2024
Professor	University of Benghazi Faculty of Education	8\12\2024	Present

Third Teaching Experience:

Name of course	Authority granting the course
Method1	University of Benghazi Faculty of Art and science Al –Marj.
Vector	1-University of Benghazi Faculty of Art and science Al –Marj 2-University of Benghazi Faculty of Education
Fundamentals of Mathematics	University of Benghazi Faculty of Education
Real Analysis1	University of Benghazi Faculty of Education Faculty of Science, University of Benghazi
Real Analysis2	University of Benghazi Faculty of Education
General Mathematics1	University of Benghazi Faculty of Education
General Mathematics2	University of Benghazi Faculty of Education
Complex Analysis 1	University of Benghazi Faculty of Education
Complex Analysis ii	Faculty of Science, University of Benghazi The Libyan academy of Graduate Studies Benghazi Department of Mathematics
Differential Equations 1 &2	University of Benghazi Faculty of Education
partial differential equations	University of Benghazi Faculty of Education
School Mathematics	University of Benghazi Faculty of Education
School Mathematics1	University of Benghazi Faculty of Education
School Mathematics2	University of Benghazi Faculty of Education
Educational Process	University of Benghazi Faculty of Education
Linear algebra	University of Benghazi Faculty of Education
Topic in analysis	The Libyan academy of Graduate Studies Benghazi Department of Mathematics
Advanced complex	The Libyan academy of Graduate Studies Benghazi Department of Mathematics

Fourth: Extension and public service

Name of course	From	To
Coordinator of Quality Section	22-2- 2014	03/04/2016
Head of Department of Mathematics	09/04/2015	30-7-2019

Member of the examination and review exams system	System of year 2015	2016
Chairman of the college examinations system	2016	2017
Chairman of the examination and review exams	(semester) Spring 2016	-
Chairman of the examination and review exams	(Semester) full 2017	-
Vice-Chairman of the final examination	(Semester) 2018	-
Vice-Chairman of the final examination	System of year 2018	2019
Chairman of the examination and review exams	(Semester) full 2020	-

Fifth Research Papers.

Publications

- 1) Nagat.M. Mustafa & Maslina Darus. 2011. Differential subordination and superordination for a new linear derivative operator. International Journal of Pure and Applied Mathematics 70(6): 825-835.
<http://www.ijpam.eu/contents/2011-70-6/5/5.pdf>

- 2) Nagat.M. Mustafa & Maslina Darus 2012. Sandwich theorems of analytic p-valent functions defined by derivative operator. Journal of Advanced Research in Pure Mathematics 4(1): 144 - 156.
<http://vit.academia.edu/gmurugusundaramoorthy/CurriculumVitae>
- 3) Nagat.M. Mustafa & Maslina Darus, M. 2011. Coefficient Estimates for Certain Class of Analytic Functions. International Journal of Open Problems in Complex Analysis 3(1) : 9-14.
<http://www.i-csrs.org/Volumes/ijopca/vol.3/vol.3.1.2.March.11.pdf>
- 4) Nagat.M. Mustafa & Maslina Darus. 2011. Some properties of certain of subclasses of P-valent functions defined by a derivataive operator. Journal of Mathematics and Computer Science 1 (1): 66-76.
<https://www.researchgate.net/publication/277986549>
- 5) Nagat.M. Mustafa & Maslina Darus, M. 2011. On a subclass of analytic functions with negative coefficient associated to an integral operator involving Hurwitz- Lerch Zeta function, "Vasile Alecsandri" University of Bacau Faculty of Sciences Scientific Studies and Research Series Mathematics and Informatics. 21(2) : 45 - 56.
<http://search.proquest.com/openview/94bf4a79a84678e395a751164431e56c/1?pq-origsite=gscholar&cbl=203030>
- 6) Nagat.M. Mustafa & Maslina Darus M. 2012. Partial sums for class of analytic functions defined by integral operators. Regional Annual Fundamental Science Symposium. Journal Fundamental and Applied Sciences 8(5) : 230-235.
<http://www.mjfas.utm.my/index.php/mjfas/article/viewFile/146/443>

- 7) Nagat.M. Mustafa & Maslina Darus. 2012. Differential subordination and superordination defined by a generalized derivative operator. International Journal of Pure and Applied Mathematics 97(2): 309-328.
<http://www.ijpam.eu/contents/2012-79-2/12/12.pdf>
- 8) Nagat.M. Mustafa & Maslina Darus. 2012. On class of p-valent functions with negative coefficient using derivataive operator. Far East journal of Mathematical Sciences 71(2): 133-150.
<https://ukm.pure.elsevier.com/en/publications/on-subclasses-of-p-valent-functions-defined-by-a-derivative-opera>
- 9) Nagat.M. Mustafa & Maslina Darus.2012. Some properties of a subclass of analytic function defined by a generalized Srivastava and Attiya operator. Facta Universitatis (NIS) 27(3): 309-320.
http://facta.junis.ni.ac.rs/mai/mai2703/fumi2703_05.pdf
- 10) Nagat.M. Mustafa & Maslina Darus. (2012). Inclusion relations for subclasses of analytic functions defined by integral operator associated Hurwitz- Lerch Zeta function. Tansui Oxfoed journal of Information and Mathematics Sciences 28(4): 379-393.
<https://ukm.pure.elsevier.com/en/publications/inclusion-relations-for-subclasses-of-analytic-functions-defined>
-
- 11) Nagat.Muftah Mustafa Alabbar (2016) Subclass of starlike functions of complex order defined by a generalized srivastava –attiya operator, Journal of College Science Education University of Benghazi (2)178-196
<http://educ.uob.edu.ly/assets/uploads/pagedownloads/eb595-nm2.pdf>
- 12) Nagat Muftah Alabbar & Aisha Ahmed Amer, (2017) Properties of Generalized Derivative Operator to A Certain Subclass of Analyti Functions with Negative Coefficients, Global Libyan Journal (14), 1-15
<http://marj.educ.uob.edu.ly/assets/uploads/pagedownloads/15e43-14-4.pdf>
- 13) Nagat Muftah Alabbar, (2017) . Differential subordination and superordination defined by a generalized derivative operator. Journal of Science and Humanities – vol(27).
<http://artsc.uob.edu.ly/pages/page/189>
-
- 14)- Aisha Ahmed Amer, Rabeaa Abd Allah Alshbear & Nagat Muftah Alabbar(2017) ,Some Applications Of A Linear Operator To A Certain Subclasses Of Analytic Functions With Negative Coefficients. Journal of Education University Al-Khomus, Al-Margib University (10): 441-454.
http://elmergib.edu.ly/uploads/faculties/80_tarbawi_10_updated.pdf
-
- .15)- Aisha Ahmed Amer, Nagat Muftah Alabbar, Rabeaa Abd Allah Alshbear,3 Abeer Mustafa Hasek.(2017),some applications of a linear operator with negative coefficients , Global Libyan Journal (27)1-14

<http://marj.educ.uob.edu.ly/assets/uploads/pagedownloads/6fc78-27-6.pdf>

16)- **Nagat Muftah Alabbar , Aisha Ahmed Amer,(2018)** univalence conditions for a new generalintegral operator Journal of Science and Humanities 43.

ISSN : 2312

<http://artsc.uob.edu.ly/pages/page/212>

17) **Somaya Mohammed Alkabaily &Nagat Muftah Alabbar.(2020)** hankel determinant for certain subclass of analytic functions assoiated with generalized srivastava–attiya operator .Journal of applied Science

<https://jas.sabu.edu.ly/index.php/asjsu/article/view/70>

DOI: <https://doi.org/10.47891/sabujas.v3i1.1-9>

19- **Amera Agela Alsait & Nagat Muftah Alabbar (2019).**Fekete -Szego Problem for Starlike of Complex functions of Order Related to Generalized Derivative Operator.Journal of Humanities and applied Science.

ISSN: 2706-9087

http://khsj.elmergib.edu.ly/2019_8.pdf

18) **Amer..A, Darus.M and Alabbar,N** , Necessary conditions for the generalized derivative operator in classes of univalent functions, Academy journal for Basic and Applied Sciences (AJBAS) Volume 6# 2August 2024,1-15.

19)**Amer.A, Darus.M and Alabbar.N.M,(2024)** ,Properties For Generalized Starlike and Convex Functions of Order α , Fezzan University Scientific Journal, Vol.3 No. 1.423-429.

20) **Alabbar, Nagat; Darus, Maslina; AMER, Aisha.(2023).** Coefficient Inequality and Coefficient Bounds for a New Subclass of Bazilevic Functions. Journal of Humanitarian and Applied Sciences, , 8.16: 496-506.

21) **Naga Muftah Alabbar,Sumaya Mohammed Alkabaily,Aisha Ahmed Amer(2024)** Hankel determinant problem for a new subclass of analytic functions defined by integral operator associated with the Hurwitz-Lerch zeta function, academic open journal ofapplied and human sciences (2709-3344) vol (5), issue (2) 2024

22) **Aisha Ahmed Amer, Nagat Muftah Alabbar and Maslina Darus**

(2025), Results on Hankel Determinants for the Class of Univalent Functions with a Generalized Derivative Operator, Research Journal of Mathematical and Statistical Science Vol. 13(2), 8-11

23) **Aljamie, A. A, and Alabbar. N. M, (2025).** Using a General Hurwitz-Lerch Zeta for Bi-Univalent Analytic Functions to Estimate a Second Hankel Determinant, International Journal of Research and Scientific Innovation (IJRSI), ISSN 2321-2705.

24) **Aisha Amer, Nagat Alabbar2 Maslina Darus (2025)** Some Sufficient Conditions Involving Coefficient Inequalities in New Classes **Derna** University Journal of Applied Sciences

Vol. 2, Issue 1, 2025 Journal Homepage: <https://uod.edu.ly/>

Sixth Other Information

Conferences

- 1- Nagat.M. Mustafa & Maslina Darus, Partial sums for class of analytic functions defined by integral operators, *Regional Annual Fundamental Science Symposium, Journal Fundamental & Applied Sciences* Vol.8 (2012)
 - 2 Nagat.M. Mustafa & Maslina Darus, Inclusion relationships for certain subclasses of P-valent functions defined by derivative operator, *International Seminar on the Application of Science and Mathematics 2011,*
 - 3- Nagat.M. Mustafa & Maslina Darus, Univalence of integral operators involving generalized Bessel functions, *Proceeding, , Kolokium FST*
 4. Nagat.M. Mustafa & Maslina Darus, On general integral operator defined by linear derivative operator, *Seminar UKM-UNRI KE-6, 2010.*
 - 5- Nagat.M. Mustafa & Maslina Darus Some properties of a subclass of analytic functions defined by integral operator, *Lecture Series on Geometric Function Theory Ser.III & IV (2012).*
 6. Nagat.M. Mustafa & Maslina Darus. 2012. The Fekete-Szegő problem for starlike functions of order associated with generalised derivative operator. *AIP Conf. Proc.* 15(22): 938-944. Conference Proceedings of the 20th national symposium on mathematical sciences is AIP conf. 1522, 938-944(2013)
<https://aip.scitation.org/doi/abs/10.1063/1.4801231>
https://www.researchgate.net/publication/258740097_The_Fekete-Szego_Problem_for_Starlike_Functions_of_Order_beta_Associated_with_Generalised_Derivative_Operator
 7. Nagat.M. Mustafa & Maslina Darus. 2013. Some extensions of sufficient conditions for univalence of an integral operator. *Journal of concrete and Applied Mathematics.* 11(2): page no 160. (CONFERENCE—ANKARA-TURKEY, (2012)
<http://www.eudoxuspress.com/images/AMAT-2012-ABSTRACTS-BOOK.pdf>
 - 8- Nagat.M. Mustafa & Maslina Darus, M. 2012. Univalence criterion of a general integral operator. *Proceeding Inspiring Multifaceted Decision Paradigm:*
-
- 9- 9-Amer A. A. 1, Alabbar N. M 2, Hasek A. M. 3 and Alshbear R. A. 4 (2018). **On Subclasses Of Uniformly Bazilevic Type Functions Using New Generalized Derivative Operator**, *The Second Annual Conference on Theories and Applications of Basic and Biosciences, 1 September 2018*
[10-www.misuratau.edu.ly](http://www.misuratau.edu.ly)
 - 11- 12- 10) Nagat Muftah Alabbar, Amara Agela Alsait, The Fekete-Szegő Problem for a Generalized Janowski Functions Defined by Derivative Operator The 7th Annual Conference on Theories and Applications of Basic and Biosciences
13-16th, Dec. 2023

Seventh Research Interests

1. Analytic and Univalent Functions
2. Growth and Distortion Theorems
3. Functions with Positive Real Part

4. Fekete-Szegő Theorem
5. Hankel Determinant
6. Subordination Principle and Differential Subordination
7. Multivalent Functions
8. Certain Integral Operators
9. Fractional Derivatives Operator
10. Partial sums
11. Univalence conditions
12. Coefficient estimates
13. Differential Subordination and Superordination of Admissible Functions
14. Neighbourhoods of Analytic Functions
15. Multivalent Functions
16. Meromorphic Functions
17. Multivalent Meromorphic Functions
18. Hypergeometric Functions.
19. bi univalent functions

بحوث تربوية

- البحوث التربوية التي قمت بالاشرف عليها لطلبة البكالوريوس قسم الرياضيات كلية التربية -بنغازي
- (1) الصعوبات التي تواجه تلاميذ المرحلة الابتدائية في حل المسائل الرياضية اللفظية من وجهة نظر المعلمين والمشرفين التربويين بمدينة بنغازي
 - (2) صعوبات تعلم الرياضيات من وجهة نظر المعلمين للمرحلة الثانوية في مدينة بنغازي
 - (3) مس توى كفاية التخطيط الدراسي لدى معلمي الرياضيات في المرحلة الأساسية في مدينة بنغازي
 - (5) صعوبات فهم البرهان الرياضي لدى طلبة الرياضيات قسم الرياضيات كلية التربية
 - (6) الصعوبات الاكاديمية التي تواجه طلبة الأقسام العلمية في دراسة مقررات الرياضيات بكلية التربية بنغازي من وجهة نظرهم