

CURRICULUM VITAE

Name : Abdulghani Hamid Hussein Muhyi
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❖ Academic Qualifications

- Ph.D. (Applied Mathematics): 2019 from Aligarh Muslim University, Aligarh, India.
- M. Sc. (Applied Mathematics): 2015 with 89.4% Marks and First Rank in the University from Osmania University, Hyderabad, India.
- B. Ed. (Mathematics/physics): 2008 with 85.58% Marks and First Rank from Hajjah University, Yemen.
- Secondary School Certificate (Scientific Section): 2003 with 86.00% Marks and First Position from Umar Al-mokhtar High School, Hajjah, Yemen.

❖ **Title of Ph.D. Thesis:** A Study of Polynomials and their q-Analogues Using Classical and Lie Derivative Techniques.

❖ Areas of Interest

- Special Functions
- Lie-Algebraic and Operational Techniques
- Fractional Calculus
- q-Series

❖ Teaching Experience

- Worked as **Demonstrator** from 2009 to 2012 at the Department of Mathematics, Faculty of Education and Applied Sciences-Hajjah, Amran University, Yemen.
- Working as **Assistant Professor** from February 2021 continue ... at the Department of Mathematics, Faculty of Education, Hajjah University, Yemen.
- Working as **Head of the Department of Computer Science** from March 2021 continue ... , Faculty of Applied Sciences, Hajjah University, Yemen.

❖ Courses taught

Operation Research, Calculus 1, Calculus 2, Calculus 3, Linear Algebra, Mathematics 1, Differential Equations, Introduction to Statistics, Real analysis and Complex analysis.

❖ Administrative Experience

- Worked as a **member of controller of examination** faculty of education and applied sciences, Hajjah University, Yemen.

❖ Software Skills

- M. S. Office
- LaTeX/ WinEdt
- Matlab
- Mathematica

❖ Membership of Academic Bodies:

Mathematical Reviewer, American Mathematical Society, USA.

❖ Reviewer for Scientific journal:

- Advances in Difference Equations, SCI, Springer.
- Journal of Mathematics and Computer Science, ESCI, ISR Publications.
- TWMS Journal of Applied and Engineering Mathematics.
- Journal of Mathematics, Hindawi.
- Journal of Function Spaces, Hindawi.
- Mathematical Sciences and Applications E-Notes.
- Sakarya University Journal of Science and Technology.
- Journal of Inequalities and Special Functions.
- COGENTMATH.
- Computer Modeling in Engineering & Sciences.

❖ Published/Accepted\communicated Research Papers

- **Abdulghani Muhyi**, A new class of Gould-Hopper-Eulerian-type polynomials, ***Advances in Difference Equations*** (Under Review)
- W.A. Khan, **Abdulghani Muhyi**, R. Ali, K. A. H. Alzobydi, M. Singh and Praveen Agarwal, A new family of degenerate poly-Bernoulli polynomials of the second kind with its certain related properties, ***AIMS Mathematics*** (Accepted)
- Ghulam Muhiuddin, Waseem A. Khan, **Abdulghani Muhyi** and Deena Al-kadi, Some Results on Type 2 Degenerate Poly-Fubini Polynomials and Numbers, ***Computer Modeling in Engineering & Sciences*** (2021), 23pp, DOI: 10.32604/cmes.2021.016546.
- **Abdulghani Muhyi** and Serkan Araci, A note on q -Fubini-Appell polynomials and related properties, ***Journal of Function Spaces*** 2021 (2021) Article ID 3805809. [Q1, Scopus and SCI; IF: 1.896]

- H. M. Srivastava, Rekha Srivastava, **Abdulghani Muhyi**, Ghazala Yasmin, Hibah Islahi and Serkan Araci, Construction of a new family of Fubini-type polynomials and its applications, *Advances in Difference Equations* 36 (2021) .
[Q1, Scopus and SCI; IF: 2.421]
- Ghazala Yasmin and **Abdulghani Muhyi**, Certain results of 2-variable q -generalized tangent-Apostol-type polynomials, *Journal of Mathematics and Computer Science*, 22 (2020), 238-251.
[Scopus and ESCI]
- Ghazala Yasmin, Hibah Islahi and **Abdulghani Muhyi**; Certain results on a hybrid class of the Boas-Buck polynomials, *Advances in Difference Equations* 362 (2020).
<https://doi.org/10.1186/s13662-020-02824-5>
[Q1, Scopus and SCI; IF: 2.421]
- Ghazala Yasmin and **Abdulghani Muhyi**; Certain results of hybrid families of special polynomials associated with Appell sequences, *Filomat* 33 (12) (2019), 3833-3844.
[Scopus and SCI; 2018 IF: 0.789]
- H. M. Srivastava, Ghazala Yasmin , **Abdulghani Muhyi** and Serkan Araci, Certain results for the twice-Iterated 2D q -Appell polynomials, *Symmetry*, 11 (10) (2019), 1-23.
[Scopus and SCI; IF: 2.143]
- Ghazala Yasmin and **Abdulghani Muhyi**, Extended forms of Legendre Gould-Hopper-Appell polynomials. *Advanced Studies in Contemporary Mathematics* 29 (4) (2019), 489-504.
[Scopus and KCI]
- Ghazala Yasmin and **Abdulghani Muhyi**; Lie algebra $G(0,1)$ and 3-variable 2-parameter Hermite Polynomials, *Afrika Matematika*, 30 (1-2) (2019), 231-246.
[Scopus and ESCI]
- Ghazala Yasmin, **Abdulghani Muhyi** and Serkan Araci; Certain Results of q -Sheffer-Appell Polynomials, *Symmetry*, 11 (2) (2019), 1-19.
[Scopus and SCI; IF: 2.143]
- H. M. Srivastava, Ghazala Yasmin and **Abdulghani Muhyi**; Lie algebra representations and 2-index 4-variable 1-parameter Hermite polynomials, *Note di Matematica*, 39(1) (2019), 65-87.
[Scopus and ESCI]
- Ghazala Yasmin and **Abdulghani Muhyi**, On a family of (p,q) -hybrid polynomials, *Kragujevac Journal of Mathematics*, 45 (3) (2021), 409-426.
[Scopus and ESCI]
- Ghazala Yasmin and **Abdulghani Muhyi**; Some new results for Humbert's double hypergeometric series ψ_2 and ϕ_2 , *Palestine journal of mathematics*, 8 (2) (2019), 146-158.
[Indexed and Refereed]

- M. A. Khan, Ghazala Yasmin and **A. Muhyi**; Some new generating relations using decomposition technique, *Acta Universitatis Apulensis*, 50 (2017), 133-148. [Indexed and Refereed]
- Ghazala Yasmin and **Abdulghani Muhyi**, Determinantal approach to truncated-Appell polynomials, *Proceedings of NANOFIM2017*, pages 427–430. IEEE, 2017.
- Ghazala Yasmin and **Abdulghani Muhyi**, Legendre-Gould Hopper based Sheffer polynomials: properties and applications. (Submitted for publication).
- **Abdulghani Muhyi**, Ghazala Yasmin and Hibah Islahi, Certain results for the generalized Fubini-type polynomials of parametric kind. (Submitted for publication).

❖ Paper Presented in Conferences

- **International Conference on Mathematical Analysis and its Applications (ICMAA-2019)**, South Asian University, New Delhi, India, Dec. 14-16, 2019. (**Presented** a research paper entitled “Lie algebraic approach to the 2-index 4-variable 1-parameter Hermite polynomials”)
- **International Conference on Analysis and its Applications**, Aligarh Muslim University, Aligarh, India, Nov. 20-22, 2017. (**Presented** a research paper entitled “on four variable one parameter Bessel functions and Lie algebraic technique”)
- **3rd International Conference on Nanotechnology for instrumentation and Measurement Workshop (NANOfIM2017)**, Gautam Buddha University, Greater Noida, India, Nov. 16-17, 2017. (**Presented** a research paper entitled “Determinantal Approach to Truncated-Appell Polynomials”)
- **International Conference on Special Functions & Their Applications (ICSFA- 2017) (16th Annual Conference of SSFA) & Symposium on “Applications of Mathematical sciences in Engineering problems”**. Organized by Departments of Mathematics, Govt. College of Engg. & Tech, Bikaner, India, 2nd -4th November, 2017. (**Presented** a research paper entitled “Some new results for Humbert’s double hypergeometric series ψ_2 and ϕ_2 ”)
- **International Conference on Applied linguistics**, Aligarh Muslim University, India. (**Presented** a research paper entitled “A survey in teaching English language in the Yemeni universities: motivations and challenges”)

❖ Participated in Conferences, Workshops and Seminars:

- 1st International Course on “Orthogonal Polynomials: from one to several variables”, organized by Anand International College of Engineering in association with CIMPA, Jaipur, India, 5th-7th march, 2019.
- International Conference on Analysis and its Applications, Aligarh Muslim University, India, 19th -21st December, 2015.
- Annual Foundation School (AFS-1) organized by National Centre for Mathematics, Department of Mathematics, Indian Institute of Technology Delhi, India, 4th – 30th December 2017.
- User Awareness Program on Single Window Search through EBSCO Discovery Service , organized by EBSCO Information Services India and Aligarh Muslim University, India, 10th September, 2018.
- Author Workshop jointly organized by Springer Nature and Aligarh Muslim University, India, 3rd November, 2016.
- Seminar on Transforming Users into Precision Researchers, Aligarh Muslim University, India, 9th August, 2016.
- National Seminar on E-Resources & E-Access Study, Teaching & Research organized by Maulana Azad Library in collaboration with the Department of Library and Information science, Aligarh Muslim University and Indian Association of Special Libraries and Information Centers, India, 12th August, 2017.
- Seminar-cum-Interactive Session on Academic publications & Citations: The Changing Paradigm organized by Internal Quality Assurance Cell & Maulana Azad library, Aligarh Muslim University, India, 22nd March, 2017.
- One month course in MatLab at Pro CAD Technologies- Secunderabad, Hyderabad, India, August, 2015.
- Three day workshop on Skill Based Language Learning organized by University Hobbies Workshop & University Debating and Literary Club, Cultural Education Centre, Aligarh Muslim University in association with the English Language teachers’ Association of India, 9th – 11th November, 2017.
- Two day workshop on “Writing Skills” organized by Club for Short Evening Courses, Cultural Education Centre, Aligarh Muslim University, India, 15th – 16th September, 2017.

❖ **Online Conferences, Workshops and Seminars:**

- One week online short term course in “Mathematics without boundaries”, Department of Mathematics, National Institute of Technology, Srinagar, India, 23 – 27 November, 2020.
- One day webinar on “Importance of Mathematics in Science and Technology” on the occasion of National Mathematics Day, MATHTECH THINKING FOUNDATION, Punjab, India, 22th December, 2020.
- One week TEQIP-III Sponsored Faculty Development Programme on “Application of Machine Learning & Data sciences in Engineering Technology”, Rajasthan Technical University, Kota Regional College for Education, Research & Technology, Jaipur, India, 15-19 December, 2020.
- Five Days Online Faculty Development Prohramme on “Mathematical and Computational Modeling”, Rajasthan Technical University Kota Anand International College of Engineering, Jaipur, India, 18-22 December, 2020.
- One Day webinar On “How to Write Resume, Curriculum Vita and Bio-Data”, Research Circle , 20th December, 2020.
- National Multidisciplinary Symposium on Advanced Technologies and Allied Fields, Department of Metallurgy and Materials Engineering, Dawood University of Engineering & Technology, Karachi, 23rd and 24th December 2020.
- Advances in Writing Systematic Literature Review and Meta-Analysis, CONNECTING ASIA with EMERALD PUBLISHING, 17th December 2020.

❖ **Google Scholar link:**

https://scholar.google.com/citations?hl=en&view_op=list_works&gmla=AJsN-F74iJtexQsgs3ISNRe5IRbyw82r_o3KaSzkrZC3lxxT71tXA9kYzFapj_upuSbk6iUlonvJ3S1-0q1lsEEwuUmy0QxIwQ&user=dqjTyVAAAAAJ

❖ **Researchgate link:**

https://www.researchgate.net/profile/Abdulghani_Muhyi

❖ **Languages Known**

- English
- Arabic

(Dr. Abdulghani Hamid Hussein Muhyi)