

Curriculum Vitae (CV)

Ahmed Mohamed Abdel Aal Abdallah



Personal Information:

Academic Rank: Associate Professor (Lecturer)

Department: Basic Science

Specialization: Pure Mathematics

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H.T.I Page:

1) https://www.hti.edu.eg/?page_id=2393

2) <https://www.hti.edu.eg/wp-content/uploads/2024/07/Dr.Ahmed-Mohammed-Abd-El-Aal-Abdalla.pdf>

Research Gate:

https://www.researchgate.net/profile/A_M_Abdallah?ev=hdr_xprf&_sg=j8jdVad5A

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Education:

Degree	Discipline	Institution	Year
Ph.D.	Pure Mathematics, Faculty of science	Arish University	2022
M.Sc.	Pure Mathematics, Faculty of science	Al-Azhar University (Men)	2018

Academic Experience:

Institution: Higher Technological Institute- Tenth of Ramadan City

Rank: Lecturer (Associate Professor)

Dates: from 2023 until Now.

Institution: Higher Technological Institute- Tenth of Ramadan City

Rank: Research Assistant (PhD student)

Dates: from 2018 until 2022

I worked as a **quality coordinator** for the Basic Sciences Department during the academic year 2023-2024.

Research interests:

- Integral Equations, Functional Analysis
- Optimal control-Stochastic Systems

Most 10 Recent Publications:

- [1]. Optimality Conditions for Some Non-Cooperative Elliptic Systems, Germany: Lambert Cooperation Publishing, May. 2018. <https://www.amazon.de/-/en/Optimality-Conditions-Some-Non-Cooperative-Systems/dp/6138388496>
- [2]. Analysis for fractional integro-differential equation with time delay, Italian Journal of Pure and Applied Mathematics 46, Oct. 2021, 989–1007.
- [3]. On Some Modified Methods on Fractional Delay and Nonlinear Integro-Differential Equation, Sound & Vibration, Oct. 2021. <https://doi.org/10.32604/sv.2021.015014>
- [4]. Ramadan Group Transform Fundamental Properties and Some its Dualities. In: Joshi, S., Bairwa, A.K., Nandal, A., Radenkovic, M., Avsar, C. (eds) Cyber Warfare, Security and Space Research. SpacSec 2021. Communications in Computer and Information Science, vol 1599. Springer, Cham 2020. https://doi.org/10.1007/978-3-031-15784-4_23
- [5]. On Fractional Integro-Differential Equation with Nonlinear Time Varying Delay, Sound & Vibration, March 2022. <https://doi.org/10.32604/sv.2022.015882>
- [6]. Importance of RG Transform and Its Various Applications, Progress in Fractional Differentiation and Applications, Oct.2023. <https://doi.org/10.18576/pfda/090409>
- [7]. Optimization for a parabolic system involving Schrödinger operator with coefficients of variables beneath conjugation conditions, Journal of Information and Optimization Sciences , (2024). <https://doi.org/10.47974/JIOS-1403>
- [8]. Comparative Analysis of Machine Learning Algorithms for Investigating Myocardial Infarction Complications, Engineering, Technology & Applied Science Research, 2024. <https://doi.org/10.48084/etasr.6691>
- [9]. Dualities and applications of the new integral transform, AIP Advances, , (2024). <https://doi.org/10.1063/5.0243121>
- [10]. Stochastic Sumudu transform and its applications for solving stochastic differential equations, Random Operators and Stochastic Equations, (2025). <https://doi.org/10.1515/rose- 2025-2007>

Certifications or Professional Registrations:

Honors and Awards:

- Program and Course Specifications and Evaluation of ILOs for Higher Education Institutes (NAQAAE 2019).
- Promoting your research capabilities -The modern knowledge cycle-Researcher Academy on Campus (Elsevier 2019).
- Effective teaching and learning strategies for colleges and institutes of Higher Education.
- Self-evaluation of educational programs for colleges and institutes of Higher Education.
- Organizing examinations and student evaluation for colleges and institutes of Higher Education.
- Concepts of ensuring the quality of education and accreditation for academic leaders of colleges and institutes of Higher Education.
- Fundamentals of Digital Transformation Certificate.
- Certificate of Excellence for Leadership preparation scholarship.
- Participating in "Spit-free India Movement" to prevent the spread of COVID-19 during Sep. – Nov. 2020.
- Manage Your Cited References in a Glance Using End Note Online (National Research Center 2021).
- Research Hypotheses and Statistical Process (IFAD 2021).

- Journal Editor 1 (Nature Research Academies 2021).
- Effective Post-submission Strategies (Nature Research Academies 2021).
- Certificate of Excellence for Certified Digital Citizen.
- Leading and Self Development Management (ISDL).
- Certificated of TOEFL with Score 556.

Reviewer in various journals

- Matlab Journal **from March 2018.**
- International Journal for Research and development in Technology **from Jan.2020.**
- Thai Journal of Mathematics from Jan. 2020.
- EURASIA Journal of Mathematics, Science and Technology Education **from March 2020.**
- Computer modeling in Engineering & Sciences
- International Journal of Dynamic and Control **from 2022**
- Advances in Science, Technology and Engineering Systems Journal **from 2021**
- IEEE **from 2023**
- Stochastic Analysis and Applications **from 2024**
- Mustansiriyah Journal of Pure and Applied Sciences **from 2024**

Editor

- Academic Journal of Applied Mathematical Science

Teaching Experience:

Math 1, Math 2, Math 3, Math 4

Numeical Methods, Mathematical Advanced Calculations, Statistical Methods.

