

Curriculum Vitae (CV)

Full Name

Ebtssam El-emam Ahmed Mandour



Personal Information:

Academic Rank: Doctor (lectur)

Department: Basic Science

Specialization: Mathematics (pure mathematics)

Position: Basic science Department, Higher Technological Institute

Google Scholar:

https://scholar.google.com/citations?hl=ar&view_op=list_works&gmla=&user=Ytp0zPsAA
AAJ

Research Gate: <https://www.researchgate.net/profile/Ebtssam-Hti>

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Education:

Degree	Discipline	Institution	Year
Ph.D.	Differential equations	Zagazig University	2021
M.Sc.	Differential equations	Zagazig University	2014
B.Sc.	(Math & computer science) Graduation Grade (Excellence with Honors 87.65%)	Zagazig University	2008

Academic Experience:

Institution: HTI

Rank: doctor

Dates: 2021-present

Institution: HTI

Rank: Research Assistant (PhD student)

Dates: 2014-2021

Institution: HTI

Rank: Teaching Assistant

Dates: 2009-2014

Research interests:

Differential equations, Dynamics systems, Vibration and control, Numerical Methods .

Publications:

- Y. A. Amer and E. El emam. Ahmed, “Vibrations of a Non-Linear Dynamical System with Time Varying Stiffness Subjected to Multi- Excitation Forces”, International Journal of Basic & Applied Sciences (IJBAS-IJENS), Vol. 13, No. 04, pp.79-87, 2013.
- Y. A. Amer and E. El emam. Ahmed “Stability and Control of a Non-Linear Dynamical System with Time Varying Stiffness Subjected to Multi- Excitation Forces”, International Journal of Engineering & Applied Sciences (IJEAS), Vol. 5, No. 4, pp.50-64, 2014.
- Y. A. Amer and E. El emam. Ahmed, “Active Control of a Non-Linear Ship model with External and Parametric Excitation”, Journal of Advances in Mathematics, Vol. 8, No.1, pp.1423-1439, 2014.
- Amer, Y. A., Sayed, A. T. ,and Ahmed, E. E. (2021). On controlling the nonlinear vibrations of a Rectangular Thin Plate with Time delay feedback. Journal of Control Engineering and Applied Informatics, 23(2), 40-52.
- Amer, Y. A., El-Sayed, A. T., and Ahmed, E. E. (2021). Vibration reduction of a non-linear ship model using positive position feedback controllers. International Journal of Dynamics and Control, 1-18.
- Abualnaja, K. M., Amer, Y. A., El-Sayed, A. T., Ahmed, E. E., and Hamed, Y. S. (2021). Response Analysis and Controlling the Nonlinear Vibration of Van Der-Pol Duffing Oscillator Connected to the NIPPF Controller. IEEE Access, 9, 91836-91849.
- Amer, Y. A., El-Sayed, A. T., and Ahmed, E. E. (2022). Vibration reduction of vertical conveyor system via negative cubic velocity feedback under external and parametric excitations. journal of mechanical sciences and technology,36(3).

Certifications or Professional Registrations: -

-Attending the training program from the National Insurance Authority

Education quality and accreditation

1. Education programs and courses specification and evaluation learning outcomes for **H.E** institutes.
2. Effective teaching and learning strategies for H.E institutes.
3. Concepts of education quality assurance and accreditation for the academic leaders of H.E institutes.
4. بنك المعرفة
5. الارشاد الأكاديمي

Quality and accreditation Experience:

- Quality Coordinator for the Department of Basic Sciences for the year 2024-2025
- Participated in updating the course specific for the Department of Basic Sciences for the 2024-2025 academic year.
- Participated in the quantitative and descriptive reviews for the Department of Basic Sciences and other departments at the Technological Institute in Tenth of Ramadan.
- Participated in preparing the Technological Institute's self-study for the 2024-2025 academic year.
- Currently Working at Higher technology institute from 22/2/2009 16 years working at HTI

Courses taught

Most of courses of the Department of Basic Sciences and business have been taught

- Differential Equations
- Numerical Methods
- Complex Analysis
- Calculus
- Operations Research

- **Probability and Statistics**

Higher Technological Institute

10th of Ramadan City

