

## Curriculum Vitae (CV)

### Full Name

Ebtssam El-emam Ahmed Mandour



### Personal Information:

Academic Rank: Professor

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=Ytp0](https://scholar.google.com/citations?hl=ar&view_op=list_works&gmla=&user=Ytp0zPsAAAAJ)

zPsAAAAJ

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

ORCID Record: <https://orcid.org/0000-0002-5046-3391>

Scopus ID: 57226791868

Email Ebtssam.elemam@hti.edu.eg

Mobile/WhatsApp: +20/ 1007408259

## Education:

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

## Academic Experience:

**Institution: HTI**

**Rank: Professor**

**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.

## Teaching Experience:

- Currently Working at Higher technology institute from 22/2/2009  
12 years working at HTI.

## Courses taught

All courses of the Department of Basic Sciences have been taught

- Differential Equations
- Numerical Methods
- Complex Analysis
- Calculus
- Operations Research
- Probability and Statistics