

Curriculum Vitae (CV)

Fagr Osama Ali Darwesh



Personal Information:

Academic Rank: Assistant Professor

Department: Basic Science

Specialization: Mathematics

Position: Assistant Professor

Google Scholar:

https://scholar.google.com/citations?hl=en&view_op=list_works&authuser=1&gmla=AJsN-F46J2e7RTRdB4j-AIjNfqRJHyaCVamP6cVw20-

[IrPjhFa4vW1Sdjm9IIfJZSRRubSUYC1LnXaieA6E7OO Nfp3WNiceDw&user=edeFvCkAAAAJ](https://scholar.google.com/citations?hl=en&view_op=list_works&authuser=1&gmla=AJsN-F46J2e7RTRdB4j-AIjNfqRJHyaCVamP6cVw20-IrPjhFa4vW1Sdjm9IIfJZSRRubSUYC1LnXaieA6E7OO Nfp3WNiceDw&user=edeFvCkAAAAJ)

Research Gate: <https://www.researchgate.net/profile/Fagr-Darwesh>

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Education:

Degree	Discipline	Institution	Year
Ph.D.	Differential Equations	Al-Azhar University	2021
M.Sc.	Fluid Mechanics	Zagazig University	2014
B.Sc.	Mathematics	Mansoura University	2006

Academic Experience:

Institution: Higher Technological Institute, 10th of Ramadan City

Rank: Assistant Professor

Dates: 2022

Institution: Higher Technological Institute, 10th of Ramadan City

Rank: Research Assistant (PhD student)

Dates: 2016

Institution: Higher Technological Institute, 10th of Ramadan City

Rank: Teaching Assistant

Dates: 2015

Research interests:

- - Vibration Control of nonlinear dynamical systems
- - fluid mechanics

Publications:

- [1] N. T. El-Dabe, G. Ismail and F. O. Darwesh, Peristaltic Transport of a Magneto Non-Newtonian Fluid through a Porous Medium in a Horizontal Finite Channel. International Organization of Scientific Research, 8(6): 32-39, (2013).
- [2] N. T. El-Dabe, G. Ismail and F. O. Darwesh, Influence of heat transfer on the peristaltic motion of a magneto Eyring-Powell fluid through a porous medium in a finite channel. International Journal of Applied Mathematics and Physics, 5(2), (2013).
- [3] N. T. El-Dabe, G. Ismail and F. O. Darwesh, The Peristaltic Motion of a Casson Fluid Under The Actions of Magnetic Field, Chemical Reaction and Heat Generation Through a Porous Medium in a Finite Vertical Channel. Accepted for publication in: Applied Mathematical Sciences.
- [4] Y. A. Amer, A. T. El-Sayed and F. O. Darwesh, Active and Time Delay Controls on Vibrations of the Micro-Electro-Mechanical System (MEMS) Resonator. Asian Research Journal of Mathematics, 12(4): 1-17, (2019).
- [5] F. O. Darwesh, Y. A. Amer and K. R. Raslan, Suppress the Vibration of a Nonlinear Dynamical System Subjected to External Force Using a Positive Position Feedback Control. Al-Azhar Bulletin of Science, 32(1): 1-16, (2021).
- [6] F. O. Darwesh, Y. A. Amer and K. R. Raslan, Effect of the Negative Velocity Feedback Control for Reducing the Primary Resonance Vibration of a Magnetic Levitation System using the Harmonic Balance Method. Applied Mathematics & Information Sciences, 15(3): 365-372, (2021).
- [7] F. O. Darwesh, Y. A. Amer and K. R. Raslan, Effect Study of the Nonlinear Integral Positive Position Feedback Controllers on Vertical Conveyor System Using the Harmonic Balance Method. Under publication: Journal of Applied Nonlinear Dynamics.



Teaching Experience:

Courses taught

- Linear Algebra – Geometry – Differentiation – Integration – Differential Equations – Complex numbers – Vector Analysis – Numerical Methods – Numerical Analysis – Statistical Methods – Statistical Analysis – Solving Differential Equations Numerically – Advanced Calculus – Special functions – Operation researches – Integral Equations – Statics – Dynamics.