

Curriculum Vitae

1. Personal Data:

- **Name:** Ahmed Hassan Arnous Mohammed
- **Position:** Assistant Professor
- **Department:** Physics and Engineering Mathematics
- **Contact:**
 - **Academic E-Mail :** ahmed.arnous@sha.edu.eg
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 - **Room:** (106 D)

2. Specialization:

- **General Specialization:** Pure mathematics
- **Specific Field:** Differential Equations

3. Academic Qualifications:

- 2017 Ph.D. (Al-Azhar University)
- 2014 M.Sc. (Zagazig University)
- 2008 B.Sc. (Zagazig University)

4. Teaching Experience:

- Engineering Mathematics and Engineering Mechanics

5. Research Interests:

- Nonlinear Evolution Equations
- Exact Solutions
- Solitons

6. Publications (The five most important researches):

1. A. H. Arnous, S. A. Mahmood, and M. Younis. Dynamics of optical solitons in dual-core fibers via two integration schemes. *Superlattices and Microstructures*, 106:156–162, 2017.

2. A. H. Arnous, M. Zaka Ullah, S. P Moshokoa, Q. Zhou, H. Triki, M. Mirzazadeh, and A. Biswas. Optical solitons in nonlinear directional couplers with trial function scheme. *Nonlinear Dynamics*, 88(3): 1891–1915, 2017.
3. M. M. El-Borai, H. M. El-Owaidy, H. M. Ahmed, and A. H. Arnous. Exact and soliton solutions to nonlinear transmission line model. *Nonlinear Dynamics*, 87: 767–773, 2017.
4. A. H. Arnous, M. Zaka Ullah, S. P Moshokoa, Q. Zhou, H. Triki, M. Mirzazadeh, and A. Biswas. Optical solitons in birefringent fibers with modified simple equation method. *Optik*, 130: 996–1003, 2017.
5. A. H. Arnous and M. Mirzazadeh. Application of the generalized Kudryashov method to the Eckhaus equation. *Nonlinear Analysis: Modelling and Control*, 21: 577–586, 2016.