

Curriculum Vitae



1. Personal Data:

- **Name:** Hamdy Mohamed Ahmed
- **Position:** Professor
- **Department:** Physics and Engineering Mathematics
- **Contact:**
 - **Academic E-Mail :** h.ahmed@sha.edu.eg
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 - **Room:** (107 D)

2. Specialization:

- **General Specialization:** Engineering Mathematics
- **Specific Field** : Stochastic Fractional differential equations

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3. Academic Qualifications:

- 1998 B.Sc (Cairo university)
- 2002 M. Sc. (Alexandria university)
- 2005 Ph.D. (Alexandria university)

4. Teaching Experience:

- Calculus, differential equations, special functions, Numerical analysis, Complex analysis, Probability and statistics, linear algebra.

5. Research Interests:

- Abstract differential equations with fractional orders.
- Stochastic fractional differential equations.
- Controllability of differential equations
- Analytic solution of partial differential equations

6. Publications (The five most important researches):

- 1- JinRong Wang and Hamdy M. Ahmed, Null controllability of nonlocal Hilfer fractional stochastic differential equations, *Miskolc Mathematical Notes*, Vol. 18, No. 2, pp. 1073–1083, (2017).
- 2- M. M. El-Borai, H. M. El-Owaidy, Hamdy M. Ahmed and A. H. Arnous, Exact and soliton solutions to nonlinear transmission line model, *Nonlinear Dyn.*, 87:767–773, 2017
- 3- M.M. El-Borai, H.M. El-Owaidy, Hamdy M. Ahmed, Ahmed H. Arnous, Seithuti Moshokoa Anjan and Biswas Milivoj Belic, Dark and singular optical solitons with spatio-temporal dispersion using modified simple equation method, *Optik*, vol. 130, pp. 324-331, 2017.
- 4- Hamdy M. Ahmed, Sobolev-Type Fractional Stochastic Integrodifferential Equations with Nonlocal Conditions in Hilbert Space, *Journal of Theoretical Probability*, DOI 10.1007/s10959-016-0665-9, 2016.
- 5- Hamdy M. Ahmed, Non-linear fractional integro-differential systems with non-local conditions, *IMA Journal of Mathematical Control and Information* , vol. 33, 389-399, 2016.

7. Other Activities

- Referee many papers for international journals
- Referee some M.Sc. and Ph.D. thesis
- Member in Egyptian Mathematical Society