Curriculum Vitae

1. Personal Data:

- **Name:** *Wafaa Bassiouny Ahmed Rabie*
- **Position:** *Lecturer*
- **Department:** Physics and Engineering Mathematics
- **E-Mail :** wbr_allah_raby@yahoo.com

2. Specialization:

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

3. Academic Qualifications:

- 2020   Ph.D.   (Menoufia University)
- 2017   M.Sc.   (Tanta University)
- 2009   B.Sc.   (Al-Azhar University)

4. Teaching Experience:

- Engineering Mathematics and Engineering Mechanics

5. Research Interests:

- Nonlinear Evolution Equations
- Exact Solutions
- Solitons

6. Publications (The six most important researches):

1. *W. B. Rabie, H. M. Ahmed, M. Borg, N. M. Badra. Solitons behavior of Sasa-Satsuma equation in birefringent fibers with Kerr law nonlinearity using extended F-expansion method. Ain Shams Engineering Journal (2024), 102290.*

2. *Rabie, W. B., Ahmed, H. M., & Hamdy, W. Exploration of New Optical Solitons in Magneto-Optical Waveguide with Coupled System of Nonlinear Biswas–Milovic Equation via Kudryashov's Law Using Extended F-Expansion Method. Mathematics, 11(2), (2023) 300.*

3. *W. B. Rabie, H. M. Ahmed, Adel Darwish , Hisham H. Hussein. Construction of new solitons and other wave solutions for a concatenation model using modified extended tanh-function method. Alexandria Engineering Journal (2023) 74, 445–451.*

4. *W. B. Rabie, H. M. Ahmed, Karim K., N. M. Badra, Soliton Solutions and Other Solutions for Kundu–Eckhaus Equation with Quintic Nonlinearity and Raman Effect Using the Improved Modified Extended Tanh-Function Method. Mathematics (2022), 10, 4203.*

5. *W. B. Rabie, H. M. Ahmed, W. Razzaq, A. Zafar. Exact solutions for Unstable Nonlinear Schrödinger equations with β- time derivative by new sub-equation method. Journal of Ocean Engineering and Science (2022).*

6. *W. B. Rabie, A. R. Seadawy, H. M. Ahmed, A. Biswas. Chirp-free optical solitons in fiber Bragg gratings with dispersive reflectivity having polynomial law of nonlinearity. Optik, 225 (2021) 165681.*