



Curriculum Vitae

Ehab Selima

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PERSONAL DATA

- **Full name:** Ehab Said Abdelhady Selima
- **Gender:** Male
- **Date of birth:** March 9th, 1982.
- **Place of birth:** El-Shohada-Menoufiya, Egypt
- **Marital status:** Married
- **Military Service:** Exempted
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EDUCATION

- 1999-2003 **B.SC. IN MATHEMATICS**, Dept. of Mathematica, Faculty of Science, Menoufiya University, Menoufiya, Egypt.
Graduated in **2003** with graduation grade **Very Good**
Graduation project in **NONLINEAR DIFFERENTIAL EQUATIONS** with **Excellent** grade.
- 2004-2005 **PRE-MASTER** in Mathematics Dept. Dept. of Mathematica, Faculty of Science, Menoufiya University, Menoufiya, Egypt, with **Excellent** grade.
- 2006-2010 **M. SC IN APPLIED MATHEMATICS (Master Degree in Mathematics)**. Dept. of Mathematica, Faculty of Science, University, Menoufiya, Egypt.
TITLE OF THESIS:
“Solutions of some nonlinear differential equations in thr fluid mechanis”
- 2013-2017 **PHD CANDIDATE**, Central China Normal University, School of Mathematics and Statistics, Wuhan, China.

RESEARCH ACTIVITIES AND AREAS OF INTEREST

- **Fluid mechanics**
- **Convective heat transfer**
- **Traveling and solitary waves**
- **Nonlinear waves and solitons**
- **Nonlinear partial differential equations**
- **Stability, Conservation laws and analytical methods**

ACADEMIC ACTIVITY

| Years of service | | Name and place of employer/ organization. | Title of position | Type of work |
|------------------|----------|--|-----------------------------------|---|
| From | To | | | |
| 3/2010 | Till now | Mathematics Dept. -Faculty of Science- Menoufiya University- Egypt | Assistant lecturer of Mathematics | Member of research and teach staff in Mathematics Dept. |
| 2/2004 | 2/2010 | Mathematics Dept. -Faculty of Science- Menoufiya University- Egypt | Demonstrator of Mathematics | Member of research and teach staff in Mathematics Dept. |

PUBLICATIONS

I. Research Articles:

1. A. M. Abourabia, K. M. Hassan, **E. S. Selima**. "Exact solutions for the (2+1)-Dimensional nonlinear modified Kortweg-de Vries-Burger equation in shallow water". *International 9th Conference of Nuclear Sciences and Applications, 11-14 February, Sharm El-Sheikh, Sinai (2008)*.
2. A. M. Abourabia, K. M. Hassan, **E. S. Selima**. "Painlevé Analysis and new Analytical Solutions for Compound KdV-Burgers Equation with Variable Coefficients". *Canadian Journal of Physics* **88**: 211-221 (2009).
3. A. M. Abourabia, K. M. Hassan, **E. S. Selima**. "Painlevé Test and Some Exact Solutions for (2+1)-dimensional Modified Kortweg-de Vries-Burgers Equation". *Scientific Journal of the Faculty of Education, Ain-Shams University (2009)*.
4. A. M. Abourabia, **E. S. Selima**. "The Derivation and Study of the Nonlinear Schrödinger Equation for Long Waves in Shallow Water Using the Reductive Perturbation and Complex Ansatz Methods". *International Journal of Nonlinear Science* **9 (4)**, 430-443(2010).

5. Aly M. Abourabia, K. M. Hassan, **Ehab S. Selima**. "Painlevé Test and Some Exact Solutions for (2+1)-dimensional Modified Korteweg-de Vries-Burgers Equation". *International Journal of computational methods* **10 (03), 1250058 (2013).**
6. **Ehab S. Selima**, AR Seadawy, X Yao. The nonlinear dispersive Davey-Stewartson system for surface waves propagation in shallow water and its stability. *EUROPEAN PHYSICAL JOURNAL PLUS* **131 (425), 1-16 (2016)**.

II. Books

7. AM Morad, AM Abourabia, **E. S Selima**, Solution of Differential Equations in Mechanics in Granular Materials: Mathematical methods and Applications, *Lambert academic publishing, Germany (2014)*.
8. **E. S Selima**, AM Abourabia, AM Morad, Solution of differential equations in nonlinear water waves: Analytical methods and Solitons, *Lambert academic publishing, Germany (2015)*.

PROFESSIONAL TRAINING

October-2007 **ICDL CERTIFICATE**

September-2006 **EFFECTIVE TEACHING PROGRAM** Faculty and Leadership Development Project (FLDP)

March-2007 **OCCUPATION ETHICS AND LITERATURE PROGRAM** (FLDP)

March-2007 **EFFECTIVE COMMUNICATION SKILLS PROGRAM** (FLDP)

May-2007 **METHODS OF SCIENTIFIC RESEARCH PROGRAM** (FLDP)

February-2008 **QUALITY STANDARDS IN THE LEARNING PROCESS PROGRAM** (FLDP)

June-2008 **ORGANIZATION OF SCIENTIFIC CONFERENCES PROGRAM** (FLDP)

C.V.

SKILLS

LANGUAGE SKILLS

- Fluent in Arabic (mother tongue)
- Good command of English

COMPUTER SKILLS

- **ICDL CERTIFICATE** from the European Computer Driving License Foundation
- Good in Microsoft Office Programs and LaTeX.

TECHNICAL SKILLS

- Good User of MATHEMATICA Program
- Good User of MAPLE Program
- Good User of MATLAB Program

PERSONAL HIGHLIGHTS

- Able to work under pressure
- Able to work well with all levels of people
- Able to learn new tasks quickly
- Interested in scientific reading and Internet navigation