PERSONAL INFORMATION

Mahmoud Hamam Osman Salm

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Sex Male | Date of birth 15/09/1990 | Nationality Egyptian

WORK EXPERIENCE

- Demonstrator   2012:2016
- Assistant lecturer   2016:2021
- Lecturer   2021 till present

Mathematics Department, Faculty of Education, Ain shams University.

EDUCATION AND TRAINING

❖ **Mathematics Department, Faculty of Education, Ain Shams University**

- Bachelor Degree in Science (Mathematics Department-English section) with Excellent Grade (the first in my batch with honor)   (2011)
- General Diploma in Pure and Applied Mathematics with Excellent Grade (2012)
- Special Diploma in Pure Mathematics with Excellent Grade   (2013)
- Pre-master's in Pure Mathematics   (2014)
- Master of Science in Pure Mathematics (Differential Equations) with Excellent Grade   (2016)
- Pre-PhD in Pure Mathematics   (2017)
- PhD in Pure Mathematics (Differential Equations)   (2020)

❖ **Ain Shams University in Cairo**

1) TOEFL certificate with score 513

2) General English Language, Conversation Courses & courses in teaching Math.

❖ **Ministry of Communications and Information Technology-Egypt.**

ICDL Certification - UNESCO and IBM license

PERSONAL SKILLS

Mother tongue Arabic

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	**Reading**	**Spoken interaction**	**Spoken production**	
English	C1	C2	B1	B2	C2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user Common European Framework of Reference for Languages

Communication skills
- **Communicates well with others**

Job-related skills and Courses
- **Time-management.**
- **Organization skills**
- **Scientific research skills**
- **Academic and professional skills and teacher preparation**
- **Egyptian knowledge bank**
- **Organizing scientific conferences**
- **Use of technology in teaching**
- **Scientific writing**
- **Effective presentation skills**
- **Effective communication skills**
- **Professional literature and behaviour**
- **Ethics of Scientific Research**
- **Quality standards in the teaching process**
- **Problem solving and decision making**
- **International publication of scientific research**
- **Financial and legal aspects of university work**
- **How to Get Scholarships Abroad**
- **Online teaching**

Computer skills
- **Math. Programs:**
  Mathematica, Matlab and Fortran
- **Word processing/ presentations:**
  Microsoft power point, Microsoft excel, Microsoft word, Smart Board

- **Communications and networks:**
  Internet, Web browsing, Smart Exchange

- **E-learning:**
  Moodle -Edmodo -Zoom-Microsoft Teams

Teaching Experiences

- **Differential Equations (Ordinary and Partial)**
- **Special Functions**
- **Calculus(I-IV)**
- **Fundamentals of Mathematics**
- **Algebra**
- **Linear Algebra**
- **General Topology**
- **Topology**
- **Real Analysis**
- **Function Analysis**
- **Numerical Analysis**
- **Complex Analysis**
- **Measure Theory**
- **Number Theory and Mathematical logic**
- **Statics**
- **Vector Analysis**
- **Dynamics**
- **Mathematica**
- **Matlab**
- **Fortran**
- **Analytic Geometry**
- **Solid Geometry**
- **Differential Geometry**
- **Operation Research**
- **Statistics**
- **Probability**

Publications

1) **H. A. Agwa, A. M. Khodier and M. Hamam, A note on "Oscillation criteria for second-order nonlinear neutral dynamic equations on time scales", Tamkang J. of Math., 46 (2015) 435-440.**
2) **H. A. Agwa, A. M. Khodier and M. Hamam, Oscillation of second-order nonlinear delay dynamic equations on time scales ,International Journal of Mathematics Trends and Technology 31 (2016) 63-82.**
3) **H. A. Agwa, G. M. Moatimid and M. Hamam, Oscillation of second order nonlinear neutral dynamic equations with "Maxima" on time scales, Journal of Interdisciplinary Mathematics, 22 (2019), 655-678.**
4) **H. A. Agwa, G. M. Moatimid and M. Hamam, Oscillation of second order nonlinear neutral dynamic equations with "Maxima" on time scales with nonpositive neutral term, Italian Journal of Pure and Applied Mathematics, 45 (2021), 375-387.**

5) **H. A. Agwa, A. M. Khodier and M. Hamam, Oscillation of second-order nonlinear delay dynamic equations on time scales with a nonpositive neutral term, Int. J. Dynamical Systems and Differential Equations, 12 (6) (2022), 477-492.**

Conferences

1) **The 4th international scientific conference of "Egyptian Mathematical Society", Cairo, Egypt, 2012**
2) **The 5th Symposium of the "Fractional calculus and applications group", Faculty of science, Alexandria University, 2013**
3) **The 6th Symposium of the "Fractional calculus and applications group", Faculty of science, Alexandria University, 2014**
4) **The 4th international scientific conference of "Mathematics and Information Science", Zewail City for Science and Technology, 2015**
5) **The 7th Symposium of the "Fractional calculus and applications group", Faculty of science, Alexandria University, 2015.**
6) **The 8th Symposium of the "Fractional calculus and applications group", Faculty of science, Alexandria University, 2016.**
7) **The international scientific conference of "Mathematics and it's Applications" which organized by "Egyptian Mathematical Society", Cairo, Egypt, 2017**
8) **The 9th Symposium of the "Fractional calculus and applications group", Faculty of science, Alexandria University, 2018**
9) **The 10th Symposium of the "Fractional calculus and applications group", Faculty of science, Alexandria University, 2019**
10) **The 12th Symposium of the "Fractional calculus and applications group", Faculty of science, Alexandria University, 2021**

Seminars

- **Mathematical Seminars – Ain Shams University**

Honours and awards

- **Excellent degree with honor in my bachelor's degree.**
- **Excellent degree in my Master's.**
- **The Award of Prof. Dr. Bahaa El-Din Helmy for the best Ph.D. thesis in the field of pure mathematics (2022).**

References

References available upon request