



Eman Ibrahim Mahmoud Khalil
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PERSONAL INFORMATION

- Date of Birth: 9/6/1990.
- Nationality: Egyptian.
- Marital status: Married.

Education

*Doctor of Philosophy (P h.D) in Experimental Physics,
Faculty of Science, Mansoura University*

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- M.Sc. in Physics, 2018, Faculty of science, Mansoura University
- Pre-Master studies in Physics, 2012, Faculty of Science, Mansoura University. **Grade: Very good**
- B.Sc. in Physics, 2011, Faculty Of Science, Mansoura University Graduation. **Grade: Very Good.**
- Graduation project: A research in "Nanotechnology", **Grade: Very good**

Current Jop

- Assistant Lecturer at physical therapy and Dentistry at Horus University from 2018-2019 to present.
- Assistant Lecturer at Nile Higher Institute for Engineering and Technology 2022-2023.
- Demonstrator at physical therapy and Dentistry at Horus University from 2017-2018.
- M.Sc. researcher, Physics Department, Faculty of Science, Mansoura University.
- Scholarship student for M.Sc. at Physics Department, Faculty of Science, Mansoura University, Egypt. 2015 - 2017.
- Member in the research group of Glasses supervised by Prof. Dr. H. Doweidar, Physics Department, Faculty of Science, Mansoura University, Egypt (January 2014- up to now)
- Full time teaching job for the courses in the field of experimental Electronic, Digital electronic, Solid State physics, Optics, General physics labs. for undergraduate students at Physics Department, Faculty of Science, Mansoura University, Egypt From 2015-2017.

Working History :

2015 to 2017:

- Instructor for the 1st year students, colleges of (science, denstry and pharmacy).

- Teach Physics for Level 1&2 students in faculty of Science Mansoura University as an assistant Lecturer in physics.

Job description: instructing topics: heat, prosperities of matter, optics, sound, electricity and magnetism.

2017to 2018:

- Teach Physics and biophysics 1st year students in Dentistry and Physical therapy faculty at Horus University as a Demonstrator
- Job description:
 - ✓ Teaching the experimental part in parallel with theoretical parts as well as solving sheets. Sharing in correcting (Quiz, midterm) & Control working.

October, 2018 to Present:

- ✓ Teach Physics and biophysics 1st year students in Dentistry and Physical therapy faculty at Horus University as Assistant Lecturer.
 - Physics I, Faculty of Dentistry, Horus University
 - Biophysics I, Faculty of Physical Therapy, Horus University
 - Biophysics II, Faculty of Physical Therapy, Horus University

October, 2022-2023 to Present:

- Teach Eng.Physics 1 Eng.physics 2 1st year students in Nile Academy for Engineering.

Training courses:

- Graduation project: A research in "Nanotechnology"2011 at Mansoura University with **Grade: Very good**
- **Research Ethics**, from 22 to 23 August 2023, Development Center, Mansoura University.

- **Credit hours system**, from 27 to 28 August 2023, Development Center, Mansoura University.
- **Presentation skills**, from 10 to 11 September 2023, Development Center, Mansoura University.
- Summer training for graduates in the field of radiation therapy at Mansoura University Hospitals.
- -Summer training at laboratories of physics department, Faculty of Science, Mansoura University.

Attendances and Conferences:

- Scientific day "Recycling of Some Environment Waste for promising End Products"
28th February (2024), National Research Centre.
- Symposium "Solid and Electronic Waste Management"
10th August (2022), National Research Centre.
- Attended and participated with a poster in the 8th scientific symposium for young researchers, 16 July 2018, Faculty of Science, Mansoura University (Best Poster).
- Attended the seventh International Conference on Optical Spectroscopy, Laser and their Applications, 18-20 October 2016, National Research Centre, Cairo, Egypt.
- Attended and participated in the third International Conference on Advanced Materials & Their Applications, 11 - 13 January 2015, National Research Centre, Cairo, Egypt.
- Attended the International Workshop on Endorsing Nuclear Safety and Security in Academia and University Hospitals, November 6 - 7, 2012, Cairo University.

Skills:

Computer Skills

-Online FIDP in University Devolvment Center, Mansoura University.
2022-2023.

- Fundamentals of Digital Transformation Certificate Modules (IT, Word, Power point, Excel, Access, Web and Mobile application)
Endorsed by ministry of communications and information technology,
Mansoura University Egypt, 2022-2023.

-International Computer Driving License (ICDL), Syllabus version 4,
EGY000228917, Endorsed by ministry of communications and
information technology, Mansoura University, Egypt, 2018-2019.

-Basic and Fortran Languages, Computer Center, Mansoura University,
Mansoura Egypt, 2011.

Language Skills:

TOEFL Preparation Course, E.S.P.R.C., Mansoura University, Mansoura,
Egypt (2017).

PERSONAL TALENTS:

- Ambitious personality.
- Supportive team member.
- Quick learner.
- Capable of dealing with different personalities.
- Good Working under stress.

PUBLICATION

1. Structural studies and properties of $\text{CdF}_2\text{-B}_2\text{O}_3$ glasses.
H Doweidar, K El-Egili, R Ramadan, **E Khalil**, *Journal of Non-Crystalline Solids* 481 (2018) 494–502
Department of Basic Sciences, Faculty of Dentistry, Horus University, Damietta ElGadeeda, Egypt.
2. Structural species in mixed-fluoride $\text{PbF}_2\text{-CdF}_2\text{-B}_2\text{O}_3$ borate glasses; FTIR investigation
H Doweidar, K El-Egili, R. Ramadan, **E Khalil**, *Vibrational Spectroscopy* 102 (2019) 24–30
Department of Basic Sciences, Faculty of Dentistry, Horus University, Damietta ElGadeeda, Egypt.
3. Structure and morphology of new $\text{PbBr}_2\text{-B}_2\text{O}_3$ glasses analyzed by spectroscopic techniques
G El Damrawi, R.M. Ramadan, **E. Khalil**, *Journal of Non-Crystalline Solids* 532(2020)119875.
Department of Basic Sciences, Faculty of Dentistry, Horus University, Damietta ElGadeeda, Egypt.
4. Radiation shielding and optical properties of sodium fluoride in calcium-borate glasses.
E.Khalil* , G. El-Damrawi, A.M. Abdelghany, R.M. Ramadan, Y.M. Moustafa, (accpted).
Department of Basic Sciences, Faculty of Dentistry, Horus University, Damietta ElGadeeda, Egypt.
5. Spectroscopic Elucidation of the Structural Influence of Sodium Ions in Calcium Fluoroborate Glasses,
E.Khalil* , G. El-Damrawi, A.M. Abdelghany, R.M. Ramadan, Y.M. Moustafa, (inpress).
Department of Basic Sciences, Faculty of Dentistry, Horus University, Damietta ElGadeeda, Egypt.
6. Structural studies and properties of $\text{BaF}_2\text{-CdF}_2\text{-B}_2\text{O}_3$ Borate glasses,

E. Khalil, K. El-Egili, R. Ramadan, (inpress).