Curriculum Vitae

Personal Information:

Name: Omayma Gamal Hammad (O. G. Hammad)

Affiliation: Faculty of Science, Assiut University, Assiut, Egypt

Current Position: Assistant Lecturer of Mathematics

Degree: MSc of Mathematics (Pure Mathematics) [2020]

Nationality: Egyptian

Date of Birth: 20 of March,1993

Place of Birth: Assiut, Egypt

E-mail: omayma.93@yahoo.com; omayma213@aun.edu.eg

Education:

1. Bachelor of Science (Mathematics) Assiut University, Egypt, 2011-2015.
2. Master of Science (Mathematics), Assiut University, Egypt, 2018-2020.

Conferences:

1. The International Conference on Pure and Applied Sciences, Hurghada, Egypt, March 28-30, 2018.
2. The 6th International Conference for Young Scientists in Basic and Applied Sciences ICYS-BAS19, Hurghada-EGYPT, 27-30 March 2019.
3. The 2nd International Conference of Mathematics and its Applications (ICMA2021), King Khalid University, 19-20 October 2021.
4. The 7th Conference for Young Scientists in Basic and Applied Sciences, Assiut-EGYPT, 10-11 May 2022 (member of organizing committee.

Top Skills:

- Research skills
- Interactive Presentations
- Teaching Mathematics and Programming
- Higher Mathematical Education
- Participation in student activities
- Programming with MATLAB
- Write on Winedit, Latex, and Word

Contribution to teaching the following courses:

- Quantum Mechanics, Quantum Optics, Analysis Mechanics, Applied Mathematics.
- Linear Algebra, Theory of groups, Theory of Rings and fields, and topology.
- Calculus, Advanced Calculus, Differential Equations (Ordinary and Partial).
- Analytical Geometry (Planar and Solid), Special Functions, Fourier, and Laplace transformations.

Related Professional Experience

� Attained and satisfactorily completed the following training programs:

1. Quality Standards in Teaching, July 19-20, 2016.
2. Workshop and hackathon in Deep Learning with TensorFlow, February 9-12, 2020.
3. Research Ethics, July 12-14, 2020.
4. Principles of statistical analysis in scientific research, July 19-20, 2020.
5. Crisis Management, August 16-18, 2020.
6. Technicalities of Design and Conduct Scientific Research, September 6-8, 2020.
7. Nature Research Academies: Writing a Research Paper in Collaboration with the EKB-Webinar 2, May 22, 2022.
8. Nature Research Academies: Research Methodology in Collaboration with the EKB-Webinar 2, May 25, 2022.

Field of Interest

- Fuzzy sets, soft sets, and the relation between them and topology.
- The way below relation, and the relation between it and some of mathematical structures.
- Study of the mathematical structures such as uniform, topogenous, and proximity structures.
- Study of topology and its applications.

References:

1- Prof. Mohamed Azab Abd-Allah
- Faculty of Science, Assiut University, Assiut, Egypt Ph. D. (Math)
- Email: mazab57@yahoo.com
2- Prof. Osama Rashed Sayed
- Faculty of Science, Assiut University, Assiut, Egypt Ph. D. (Math)
- Email: o_r_sayed@yahoo.com or o_sayed@aun.edu.eg

3- Prof. Fathi Hesham Khedr

- Faculty of Science, Assiut University, Assiut, Egypt Ph. D. (Math)

-Email: Khedrfathi@gmail.com

4- Prof. Mohamed Abd El-rahman Ahmed

- Faculty of Science, Assiut University, Assiut, Egypt Ph. D. (Math)

-Email: mahmed68@gmail.com

5- Prof. Shaban Aly Ahmed

- Faculty of Science, Al-Azhar University, Assiut, Egypt Ph. D. (Math)

-Email: shhaly70@gmail.com

- **Prof. Cheng Shang Li**

- School of Science and statistics, Shannxi normal University, China Ph. D. (Math)

-Email: topologyli@126.com

Publication:

1- O. R. Sayed and **O. G. Hammad**, Fuzzy pretopogenous structures based on way below relation, *The 6ᵗʰ International Conference for Young Scientists in Basic and Applied Sciences* (2019) *and Submitted Jurnal Teknologi.*

2- O. R. Sayed, M. A. Abd-Allah and **O. G. Hammad**, Fuzzy preuniform structures based on way below relation, *Assiut Univ. J. of Mathematics and Computer Science Printed ISSN 1687-4897* **49**(2), pp.39-47 (2020).

3- O. R. Sayed and **O. G. Hammad**, Uniform spaces based on way below relation, *Academy of Scientific Research and Technology and submitted Computational and Applied Mathematics (2021).*

4- Ahmed Mostafa Khalil, **O. G. Hammad** and Huan Zhou, On Q_P-Closed Sets in Topological Spaces, *Journal of Mathematics*, Volume 2022, Article ID 9352861, https://doi.org/10.1155/2022/9352861