

Curriculum Vitae (CV)

Haitham Mohamed Ezzat Hamada



Personal Information:

Academic Rank: Assistant Professor

Department: Electrical Engineering Department

Specialization: Communication Engineering

Position: Assistant Professor

Google Scholar: <https://scholar.google.com/citations?hl=en&user=Bgbg7L8AAAAJ>

Research Gate: https://www.researchgate.net/profile/Haitham-Hamada?ev=hdr_xprf

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Education:

Degree	Discipline	Institution	Year
Ph.D.	Electrical Department (Electronics and Communications)	Minia University	2024
M.Sc.	Electronics and Communication Engineering	Zagazig University	2016
B.Sc.	Electrical Engineering	Higher Technological Institute (HTI)	2008

Academic Experience:

Institution: HTI

Rank: Assistant Professor

Dates: 2024

Institution: HTI

Rank: Research Assistant (PhD student)

Dates: 2016

Institution: HTI

Rank: Teaching Assistant

Dates: 2012

Research interests:

Electromagnetics, antennas and microwave engineering.

Publications:

- M. Fouad, A.F. Abdel-Razek and H.M.E. Hamada, “A Modified Two Dimensional Adaptive Digital Filter”, The International Conference of Engineering Sciences and Applications, Aswan, Egypt, Vol. 1, pp. 109-115, Jan. 2016.
- A.M. Ghazi, H. Hamada, H.A. Malhat, and S.H. Zainud-Deen, “Graphene Magneto-Electric Antenna on Curved Structures for Millimeter Wave Communications”, International Japan-Africa Conference on Electronics, Communications and Computers (JAC-ECC), Dec. 2019.
- Hamada, H. M., M Ali, M. M., Shams, S. I., Khalaf, A. A., & Allam, A. (2024). The Effect of a Printed Gap Waveguide Antenna at 60 GHz on the Human Body. *Journal of Advanced Engineering Trends*, 43(2), 481-491.
- Hamada, H., Ali, M. M. M., Shams, S. I., Elsaadany, M., Khalaf, A. A., Allam, A. M. M. A., & Kishk, A. (2024). A 60-GHz Out-of-Phase Power Divider with WR-15 Standard Interface Based on Trapped Printed Gap Waveguide Technology. *Journal of Infrared, Millimeter, and Terahertz Waves*, 45(11), 927-948.
- Hamada, H., Ali, M. M. M., Shams, S. I., Khalaf, A. A., & Allam, A. M. M. A. (2025). Design and analysis of a 60 GHz high gain wideband magneto electric dipole antenna array based on trapped printed gap waveguide technology. *Scientific Reports*, 15(1), 23649.

Certifications or Professional Registrations:

- Low, Medium, High Voltage (ABB ARAB)
- Mobile Package (GSM, GPRS, CDMA, UMTS, 4G and 5G)
- PLC, Electrical and Electronic Network
- VHDL
- WIMAX
- Ansys HFSS 3D High Frequency Simulation Software
- CST Studio suite EM simulation and analysis software

Teaching Experience:

- Computer skills.
- Logic Design (1).
- Electromagnetic Field (A).
- Electromagnetic Field (B).
- Antennas.
- Microwave engineering.
- Transmission lines.
- Practical training (A).