

Sarah Ahmed, PHD.

Lecturer.

PERSONAL DETAILS

Name : Sarah Ahmed Al.Issawi

Nationality : Egyptian

Place of birth : Alexandria, Egypt

Marital Status : Married

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Professional Experience

- **September 2024- Present :** Quality Coordinator of the Electronics and Communications Engineering Department , King Marriot Academy, College of Engineering and Technology
- **March 2024- Present :** King Marriot Academy, College of Engineering and Technology. Lecturer.
- **Teaching :** Antenna and propagation and Electric Circuits (AC circuits)
- **Sep. 2015 –Fab. 2024:** King Marriot Academy, College of Engineering and Technology. Assistant Lecturer.
- **Teaching:** Electric circuits (Dc and Ac circuits), Electronic circuits, Communication systems, Electromagnetic waves and Antenna and propagations
- **Sep. 2010 – March. 2015:** King Marriot Academy, College of Engineering and Technology. Teaching Assistant.
- **Teaching:** Electric circuits (Dc and Ac circuits), Electronic circuits, Communication systems, Electromagnetic waves and Antenna and propagations

Education

February 2024: Ph.D. Electronics and Communications, Alexandria University, Egypt.

Thesis title: Millimeter Waves MIMO Antenna Designs for 5G Wireless Communications.

February 2011 – March 2015: Master of Science, Electronics and Communication Engineering, Arab Academy for Science, Technology & Maritime Transport (AAST), Alexandria, Egypt.

Thesis title: Performance of LMS and RLS Beamforming Algorithms Using Linear and Planar antenna Arrays Composed of Actual Elements.

Grade: Very Good

September 2005– July 2010: Bachelor of Science, Electronics and Communication Engineering, AAST, Alexandria, Egypt.

Publications, Technical Reports & Presentations

• Journals

- [1] Alassawi, Sarah & Ali, Wael & Ismail, Nour & Rizk, Mohamed, (2022), "**Compact elliptic ring 2×2 and 4×4 MIMO-UWB antenna at 60 GHz for 5G mobile communications applications**", Microsystem Technologies. 29. 1-10. 10.1007/s00542-022-05383-9.
- [2] Alassawi, Sarah & Ali, Wael & Rizk, Mohamed, (2021), "**Compact Circular Ring Antenna for 5G Mobile Communication Applications**", Journal of Nano- and Electronic Physics. 13. 03029-1. 10.21272/jnep.13(3).03029.
- [3] Mohamed M. M. Omar, Wael A. E. Ali and Sara A. Elesawy, " **Applying the LMS and RLS Beamforming Algorithms on Actual Linear and Planar Antenna Array**," IJAER – International Journal of Applied Engineering Research, Vol. 9 – No. 17, PP. 3711-3722,2014

• Conferences

- [1] Alassawi, Sarah & Ali, Wael & Rizk, Mohamed, (2021), "Compact Circular Ring 2×2 MIMO Antenna at 60 GHz for 5G Mobile Communications Applications", 4th International Conference on 'Energy Systems, Drives and Automations', **ESDA2021**.
- [2] Sarah |A. Al.Issawi , Wael A.E. Ali and Mohamed R M Rizk," Compact Circular Ring Antenna for 5G Mobile Communication applications ", in International Conference on International Conference On Innovative Research In Renewable Energy Technologies (**IRRET-2021**), IMPS College, Malda, West Bengal, India 25th-27th February, 2021.