DR. HATEM M. RMILI
Professor, Electrical and Computer Engineering Dept., King Abdulaziz University

Education

Degree	*Field*	*Institution*	*Year*
PhD	Electronics	Bordeaux University, France	2004
MS	Physics	FST, University of Tunis, Tunisia	1999
BS	Physics	FSM, University of Monastir, Tunisia	1995

Academic Experience

From	*To*	*Institution*	*Rank*	*Title*	*Full/PtTime*
2013		King Abdulaziz Univ.	Asso. Prof.		Full Time
2012	2013	King Abdulaziz Univ.	Assist Prof.		Full Time
2007	2012	University of Monastir, Tunisia	Assist Prof.		Full Time
2005	2007	INSA Rennes, France.	Post-doctoral		Full Time

Non Academic Industrial Experience *(including Consultations) Nil*

Funded Research Projects and Patents from the Past Five Years

Year	Type of Project	Project Title
2017	Knowledge Excellence Program, KAU	Design of frequency reconfigurable multiband antennas with autonomous switching capabilities for cognitive radio applications
	Research Group Program, KAU	Electromagnetic Scattering Reduction from Windmill Turbines using Thin Microwave Absorber with commercial Lossy materials
2016	Patent Program, KAU	A New Approach to Designing Phase Shifters for Array Antennas for Satellite Communication
2015	Patent Program, KAU	Interference Mitigation in Green Energy Systems using Metamaterial and Graphene-based Absorbers
	General Program, KAU	Design of a RFID chipless tags based on natural fractal geometries for security applications
2014	Small Research Grant, KACST	Design of Antenna Arrays based on Metamaterial-inspired High Directivity, Electrically Small, Planar Dipole Elements

Certifications and Professional Registrations

Current Membership in Professional Societies and Organizations

	Society/organization	*Rank*	*Member Since*
1.	Institute of Electrical and Electronics Engineers, IEEE	Member	2007
2.	Who'a and who's in Science and Engineering, WoWs	Member	2005

Honours and Awards

1. Excellence Award grant from Wallonia Brussels International, Belgium in 2009 and 2011.
2. Reviewer for the journals :
   RF and Microwave Computer-Aided Engineering, Wiley-USA;
   Journal of ElectroMagnetic Waves and Applications (JEMWA), USA
   Progress In Electromagnetic Research (PIER, PIER B, C, M, PIER Letters), USA.
   IEEE Antennas and Propagation Letters, IEEE-AWPL, USA.

Institutional and Professional Services *(administration, committees, units, etc.)*

1. Head of the Electronics and Telecommunication dept, ISSAT Mahdia, Unv. Monastiir (2011-2012).

Principal Publications/Presentations from the Past Five Years

1. Imen BEN TRAD, Jean-Marie FLOCH, **Hatem RMILI**, M'hamed DRISSI and Fethi CHOUBANI, "A Planar Reconfigurable Radiation Pattern Dipole Antenna with Reflectors and Directors for Wireless Communication Applications," *International Journal on Antennas and Propagation,* vol. 2014, Article ID 593259, pp. 1-10, 2014.
2. Imen BEN TRAD, Jean-Marie FLOCH, and **Hatem RMILI**, Lotfi Laadhar, and M'hamed DRISSI, "Planar Elliptic Broadband Antenna With Wide Range Reconfigurable Narrow Notched Bands for Multi-Standard Wireless Communication Devices," *Progress in Electromagnetic Research,* vol. 145, pp. 69-80, 2014.
3. Saber DAKHLI, Kouroch MAHDJOUBI, Jean-Marie FLOCH, **Hatem RMILI**, and Fethi CHOUBANI, "A Familiy of Low-Profile and Directive Metamaterial-Inspired Antennas," *Progress in Electromagnetic Research C,* vol. 49, pp. 105-113, 2014.
4. Saber DAKHLI, **Hatem RMILI**, Kourosh MAHDJOUBIi, Jean-marie FLOCH, and Fethi CHOUBANI, "Analysis of a Compact and Superdirective Metamaterial-Inspired Monopole Antenna," *International Journal on Antennas and Propagation,* vol. 2014, Article ID 806379, pp. 1-10, 2014.
5. Imen BEN TRAD, Saber DAKHLI, **Hatem RMILI**, Jean-Marie FLOCH, Wassim Zouch, and M'hamed DRISSI, "Planar Square Multiband Frequency Reconfigurable Micro-strip Fed Antenna with Koch-Island Fractal Slot for Wireless Devices," *Microwave and optical technology letters,* vol. 57, no. 1, pp. 207-212, 2015.
6. Saber DAKHLI, **Hatem RMILI**, Jean-marie FLOCH, Muntasir SHEIKH, Kourosh MAHDJOUBI, Fethi CHOUBANI and Richard W. ZIOLKOWSKI, "Capacitively Loaded Loop-Based Antennas with Reconfigurable Radiation Patterns," *International Journal on Antennas and Propagation,* vol. 2015, Article ID 523198, pp. 1-10, 2015.
7. Oussama BOULARESS, **Hatem RMILI**, Taoufik AGUILI, and Smail TEDJINI, "Analysis of Electromagnetic Signature of Arabic Alphabet as RF Elementary Coding Particles," *Wireless Power Transfer*, vol. 2, no. 2, pp. 97–106, 2015.
8. Lotfi LAADHAR, Mohamed ZAROUAN, Donia OUESLATI, Jean-Marie FLOCH, and **Hatem RMILI**, "Investigation on Cellular-Automata Irregular-Fractal Ultra Wideband Slot-Antennas," *Microwave and optical technology letters,* vol.57, no. 11, pp. 2506-2514, 2015.
9. **Hatem RMILI**, Donia OUESLATI, Lotfi LAADHAR, and Muntasir SHEIKH, "Design of a chipless RFID tags based on natural fractal geometries for security applications," *Microwave and optical technology letters,* vol. 58, no. 1, pp. 75-82, 2016.
10. Sondos MEHRI, Jaleleddine BEN HADJ SLAMA, Ahmed Chiheb Ammari, and **Hatem RMILI**, "Geometry Optimization Approaches of Inductively Coupled Printed Spiral Coils for Remote Powering of Implantable Biomedical Sensors," *Journal of Sensors,* vol. 2016, Article ID 4869571, pp. 1-11, 2016.
11. Saber DAKHLI, **Hatem RMILI**, Jean-marie FLOCH, Muntasir SHEIKH, Abdallah DOBAIE, Kourosh MAHDJOUBI, Fethi CHOUBANI and Richard W. ZIOLKOWSKI, "Printed multiband metamaterial-inspired antennas,'' *Microwave and optical technology letters*, vol. 58, no. 6, pp. 1281-1289, 2016.
12. Ali YAHYAOUI, **Hatem RMILI**, Muntasir SHEIKH, Abdullah DOBAIE, Lotfi LAADHAR, and Taoufik AGUILI, "Design of All-Dielectric Half-wave and Quarter-wave plates Microwave Metasurfaces Based on Elliptic Dielectric Resonators," *Applied Computational Electromagnetic Society Journal,* vol.32, no. 3, pp. 229-236, 2017.
13. Ali YAHYAOUI, **Hatem RMILI**, Karim ACHOURI, Muntasir SHEIKH, Abdullah DOBAIE, and Taoufik AGUILI, "Transmission Control of Electromagnetic Waves by Using Quarter-Wave Plate and Half-Wave Plate All-Dielectric Metasurfaces Based on Elliptic Dielectric Resonators," *International Journal on Antennas and Propagation,* vol. 2017, Article ID 8215291, pp. 1-8, 2017.
14. **Hatem RMILI**, Donia OUESLATI, Abdallah Dobaie, Muntasir SHEIKH, and Jean-Marie FLOCH, "Investigation of on Random Fractal Antenna based on a Natural Tree-Leaf geometry," *International Journal on Antennas and Propagation,* vol. 2017, Article ID 2084835, pp. 1-7, 2017.
15. Karim ACHOURI, Ali YAHYAOUI, Shulabh Gupta, **Hatem RMILI**, and Christophe CALOZ, "Dielectric Resonator Metasurface for Dispersion Engineering," *IEEE Trans. Antennas. Propag.,* vol. 62, no. 2, pp. 673-680, 2017.
16. Ali YAHYAOUI, and **Hatem RMILI**, "Experimental Characterization of an All-Dielectric Metasurface with Optical Activity Properties," *Applied Computational Electromagnetic Society Journal,* vol. 33, no. 4, pp. 460-462, 2018.
17. Ali YAHYAOUI, and **Hatem RMILI**, "Chiral All-Dielectric Metasurface Based on Elliptic Resonators with Circular Dichroism Behavior," *International Journal on Antennas and Propagation,* vol. 2018, pp. 1-7, 2018.

Recent Professional Development Activities (Workshops, training, etc.)

1. Invited talk, "Radar absorbing materials for stealth technology", 5 th international Conference on Electronic Warfare and Exhibition, 12 - 13 December 2017 - Riyadh, Saudi Arabia.