



## Curriculum Vitae

### Personal Details

**Title** : Associate Professor  
**Name** : Ahmed Abdel-monem Ibrahim  
**Nationality** : Egyptian  
**Date of Birth** : 15-3-1986  
**Mailing address** : Smalout, Elminia, Egypt  
**Email** : ahmedabdel\_monem@mu.edu.eg  
**Telephone No.** : +202-01006956456  
**Position** : Associate Professor in faculty of engineering , Elminia, Egypt

### Academic Qualifications

- **PhD.** In Electrical Engineering, Minia university, Elminia, Egypt, **2014**.  
**PhD. Title** :“ *Compact High Performance Filters And Antennas Using Metamaterials*”
- **MSc.** In Electrical Engineering, Minia university, Elminia, Egypt, **2011**.  
**MSc. Title** :“ *Design and Development of DGS Coupled Resonator Filters for Wireless Communication Applications Using FDTD Technique*”
- **BSc.** In Electrical-Communication Engineering, Minia university, Elminia, Egypt, June 2007 with grade "very good"
- **Professional Experience**

#### August 2019- April 2023

Associate Professor in the department of electronic and communication engineering, Minia university, Elminia, Egypt

#### October 2018 - July 2019

Lecturer in the department of electronic and communication engineering, Minia university, Elminia, Egypt

#### Mars 2018- Sep2018

**Post-doctoral follow in University Pierre and Marie Curie, Sorbonne University, Paris VI, France**

#### November 2016-Mars 2018

Lecturer in the department of electronic and communication engineering, Minia university, Elminia, Egypt

#### May2016-November 2016

**Post-doctoral follow in Otto-von-Guericke-Universität Magdeburg-Germany**

#### August 2014-April2016

Lecturer in the department of electronic and communication engineering, Minia university, Elminia, Egypt

#### January 2013 –July 2014 :

A PhD student and an assistant Lecturer in the department of electronic and communication engineering, Minia university, Elminia, Egypt

### **July 2011 –January 2013:**

A PhD student and an assistant Lecturer in the Department of Electrical & Electronic Engineering, the higher institute for engineering and technology, Elminia ,Egypt

### **January 2009 –June2011:**

An Instructor in the department of electronic engineering, the higher institute for engineering and technology, Elminia ,Egypt

## **Areas of Expertise:**

### **• Major Area:**

- ◆ Electromagnetic Fields, Microwave Engineering, Antennas, and Radio Wave Propagations applications.

### **• Minor Areas:**

- ◆ Communication Systems, Electric Circuits, mobile communications, fiber optics, and networking.

## **Awards and Honors:**

- ◆ 2% top world scientist based on Stanford University Study 2020,2021
- ◆ Minia university international publishing award 2014,2015,2016,2017 ,2018, 2020, 2021, 2022
- ◆ Minia university award for the highest researcher published 2017

## **International Scientific Membership:**

- ◆ IEEE Senior Memeber
- ◆ URSI Senior Member 2020
- ◆ URSI Indeividual member 2019
- ◆ Member of National Radio Science Committee
- ◆ EYAS (Egyptian young academy of scineces )
- ◆ Specific Committee of the Communications and Information Technology Council

## **Teaching experiences**

### **I- Bachelor's Courses**

#### **1. Electromagnetic, Microwave & Antennas Track:**

- Electromagnetic Fields.
- Microwave Engineering.
- Antenna Theory and Design.
- CAD for Designing radio wave circuits and antennas.
- Electromagnetic Waves.
- Microwave Devices & Systems

#### **2. Communication Track:**

- Analog Signals & Systems.
- Analog Communication Theory.
- Digital Communication Systems.
- GSM and GPRS
- Fiber optics

#### **3. Electrical Circuits Track:**

- Circuit Theory (part I, basic course).
- Electronic circuits (basic course).

### **II- Graduation projects**

- I. Tunable microwave band stop filters for wireless applications
- II. Ground enhancement of wide band antenna for wireless communication
- III. Design and developments of DGS band pass filters for wireless applications
- IV. Design of High Speed Octagonal Antennas for Wireless Communications
- V. Design and implementation of UWB antennas for wireless applications
- VI. Design and implementation of low SAR antennas for mobile communication systems.
- VII. Wireless power transfer
- VIII. Smart school
- IX. Smart transportation

### **III- Postgraduate Courses**

- Graphene in Microwave applications
- Antenna Theory and Design
- Electromagnetic Numerical Techniques.

### **IV- Postgraduate supervision**

- Metamaterial Applications for RF microwave components..
- Design and fabrication of high isolation MIMO antennas for wireless communication
- Application of graphene at microwave and terahertz frequencies
- Reconfigurable Metamaterials for Controlling and guiding Electromagnetic Radiation

### **Conferences organization**

- ◆ Radio conference in Egypt 2019, 2020, 2021 (Organization committee)
- ◆ ITCE'2020 conference held on Aswan 2020 (Track Chair)

### **Funded projects**

	Project name	Place	Year
1	Radiofrequency hyperthermia for cancer therapy	Science and Technology Development Fund (STDF)& Minia university	Finished
2	Antennas Design for Wideband Cognitive Radio Transceivers	Science and Technology Development Fund (STDF) & Embassy of France in Egypt - French Institute of Egypt (IFE)	1-3-2018 to 30-9-2018
3	Design, Development and Implementation of Reconfigurable Antennas/Filters for Future Wireless Applications	Science and Technology Development Fund (STDF)& Minia university	Accepted 2019

### **Fields of Current Research Interest**

- ◆ Linear/Circular polarized Compact, Multi-bands, Wideband, Antennas for wireless, radar & Satellite.
- ◆ Multi Input Multi Output (MIMO) antennas and related applications.
- ◆ Metamaterial Periodic structures for RF and Microwave & millimeter system components.
- ◆ Filtering structures (defected ground structures) / Electromagnetic band gap (EBG) applications.
- ◆ Flexible antennas
- ◆ Wearable antennas

## **International Review Experience:**

- ♦ A reviewer in many electromagnetic journals:

1. IEEE Antennas and Wireless Propagation Letters	2. IET, Microwave, Antennas and Propagation.
3. IET, Electronics Letters.	4. IEEE Access
5. Journal of electromagnetic waves (JEMW).	6. Progress in Electromagnetic Research.
7. AEU, Int. Journal of Electronics and Communications	8. Int. J. of RF and Microwave Computer-Aided Engineering
9. Int. Journal of Microwave and Wireless Technologies.	10. Microwave and Optical Technology Letters
11. Radio engineering	12. Engineering Science and Technology, an International Journal

## **Publications:**

**Journal Papers:87**

**Conference Papers:41**

**Statistics (Jan 2023) Citation>1420Citations**

**h-index :20**

**References:** <https://www.scopus.com/authid/detail.uri?authorId=22033543800>

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

[https://www.researchgate.net/profile/Ahmed\\_Ibrahim84](https://www.researchgate.net/profile/Ahmed_Ibrahim84)

<https://publons.com/researcher/1372907/ahmed-aibrahim/>

### **I- Journal Papers:**

<b>Year</b>	<b>No.</b>	<b>Journal Publication</b>
<b>2024</b>	1.	Abdelghany, Mahmoud A., <b>Ahmed A. Ibrahim</b> , Hesham A. Mohamed, and Emad Tammam. "Compact Sub-6 GHz Four-Element Flexible Antenna for 5G Applications." Electronics 13, no. 3 (2024): 537.
	2.	Desai, Arpan, Heng-Tung Hsu, Basma M. Yousef, Allam M. Ameen, Yi-Fan Tsao, and <b>Ahmed A. Ibrahim</b> . "UWB Connected Ground Transparent 4-Port Flexible MIMO Antenna for IoT Applications." IEEE Internet of Things Journal (2023).
	3.	Mohamed, Hesham A., Wael AE Ali, and <b>Ahmed A. Ibrahim</b> . "LPF/dual-BPF/UWB-BPF reconfiguration utilizing DGS resonators and lumped capacitors." International Journal of Microwave and Wireless Technologies 15, no. 7 (2023): 1108-1116.
	4.	Kareem, Farah R., <b>Ahmed A. Ibrahim</b> , and Mahmoud A. Abdalla. "Triple band monopole textile wearable antenna for IoMT application." IEEE Sensors Journal (2023).
	5.	<b>Ahmed A. Ibrahim</b> , Amira Eltokhy, and Ahmed Fawzy Daw. "Four ports MIMO printed antenna with high isolation for UWB and X-band systems." International Journal of Microwave and Wireless Technologies (2023): 1-9.
	6.	Edries, Mohamed, Hesham A. Mohamed, and <b>Ahmed A. Ibrahim</b> . "A Dual Band 28/38 GHz Metamaterial Absorber for 5G Applications." Journal of Infrared, Millimeter, and Terahertz Waves 44, no. 11 (2023): 898-911.

	7. <b>Ahmed A. Ibrahim</b> , Hesham A. Mohamed, Mahmoud A. Abdelghany, and Emad Tammam. "Flexible and frequency reconfigurable CPW-fed monopole antenna with frequency selective surface for IoT applications." Scientific Reports 13, no. 1 (2023): 8409.
	8. Ayd R. Saad, Ayman, Walaa M. Hassan, and <b>Ahmed A. Ibrahim</b> . "A monopole antenna with cotton fabric material for wearable applications." Scientific Reports 13, no. 1 (2023): 7315.
	9. Yousef, Basma M., Allam M. Ameen, Arpan Desai, Heng-Tung Hsu, Vigneswaran Dhasarathan, and <b>Ahmed A. Ibrahim</b> . "Defected ground structure-based wideband circularly polarized 4-port MIMO antenna for future Wi-Fi 6E applications." AEU-International Journal of Electronics and Communications 170 (2023): 154815.
	10. <b>Ahmed A. Ibrahim</b> , and Shaymaa M. Gaber. "Frequency reconfigurable antipodal Vivaldi 2-port antenna based on graphene for terahertz communications." Optical and Quantum Electronics 55, no. 9 (2023): 1-19.
	11. Yousef, Basma M., Allam M. Ameen, Meshari D. Alanazi, Maheswar Rajagopal, and <b>Ahmed A. Ibrahim</b> . "A Wide-Band Antenna with Circular Polarization Utilizing a U-Shaped Radiator and Parasitic Strip for Wireless Communications." Micromachines 14, no. 7 (2023): 1308.
	12. <b>Ahmed A. Ibrahim</b> ., Wael AE Ali, Moath Alathbah, and Ayman R. Sabek. "Four-Port 38 GHz MIMO Antenna with High Gain and Isolation for 5G Wireless Networks." Sensors 23, no. 7 (2023): 3557.
	13. Abdelaziem, Islam H., <b>Ahmed A. Ibrahim</b> , and Mahmoud A. Abdalla. "A high gain antenna utilizing Mu-near-zero metasurface structures for 5G applications." International Journal of Microwave and Wireless Technologies 15, no. 2 (2023): 338-346.
	14. <b>Ahmed A. Ibrahim</b> , Wael AE Ali, Moath Alathbah, and Hesham A. Mohamed. "A frequency reconfigurable folded antenna for cognitive radio communication." Micromachines 14, no. 3 (2023): 527.
	15. Abdelghany, Mahmoud A., Wael AE Ali, Hesham A. Mohamed, and <b>Ahmed A. Ibrahim</b> . "Filtenna with Frequency Reconfigurable Operation for Cognitive Radio and Wireless Applications." Micromachines '14, no. 1 (2023): 160.
2023	16. <b>Ahmed A. Ibrahim</b> , Walaa M. Hassan, and Vigneswaran Dhasarathan. "Wide-Band Antenna on Flexible and Thin Substrate for Wireless Systems." Wireless Personal Communications 129, no. 4 (2023): 2977-2993.
	17. Ali, Wael AE, <b>Ahmed A. Ibrahim</b> ., and Ashraf E. Ahmed. "Dual-Band Millimeter Wave 2× 2 MIMO Slot Antenna with Low Mutual Coupling for 5G Networks." Wireless Personal Communications (2023): 1-18.
	18. <b>Ahmed A. Ibrahim</b> , Mohamed I. Ahmed, and Mai Ahmed. "A systematic investigation of four ports MIMO antenna depending on flexible material for UWB networks." Scientific Reports 12, no. 1 (2022): 1-16.
	19. Desai, Arpan, Jayshri Kulkarni, M. M. Kamruzzaman, Štěpán Hubálovský, Heng-Tung Hsu, and <b>Ahmed A. Ibrahim</b> . "Interconnected CPW Fed Flexible 4-Port MIMO Antenna for UWB, X, and Ku Band Applications." IEEE Access 10 (2022): 57641-57654.
	20. <b>Ahmed A. Ibrahim</b> ., Wael AE Ali, and Hesham A. Mohamed. "Bandpass/bandstop switching with tunable pass band operation based on split ring and open loop resonators." Journal of Instrumentation 17, no. 10 (2022):

	P10026.
21.	<b>Ahmed A. Ibrahim</b> , Hijab Zahra, Osama M. Dardeer, Niamat Hussain, Syed Muzahir Abbas, and Mahmoud A. Abdelghany. "Slotted Antenna Array with Enhanced Radiation Characteristics for 5G 28 GHz Communications." <i>Electronics</i> 11, no. 17 (2022): 2664.
22.	Abdelghany, Mahmoud A., Mohamed Fathy Abo Sree, Arpan Desai, and <b>Ahmed A. Ibrahim</b> . "Gain Improvement of a Dual-Band CPW Monopole Antenna for Sub-6 GHz 5G Applications Using AMC Structures." <i>Electronics</i> 11, no. 14 (2022): 2211.
23.	<b>Ahmed A. Ibrahim</b> , Hijab Zahra, Syed Muzahir Abbas, Mohamed I. Ahmed, Gaurav Varshney, Subhas Mukhopadhyay, and Abdelhady Mahmoud. "Compact Four-Port Circularly Polarized MIMO X-Band DRA." <i>Sensors</i> 22, no. 12 (2022): 4461.
24.	Sabek, Ayman R., Wael AE Ali, and <b>Ahmed A. Ibrahim</b> . "Minimally Coupled Two-Element MIMO Antenna with Dual Band (28/38 GHz) for 5G Wireless Communications." <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> (2022): 1-14.
25.	Hassan, Walaa M., Ayman Ayyad R. Saad, and <b>Ahmed A. Ibrahim</b> . "Ultra-wide band flexible antenna applicable for dual-band on-body communications." <i>International Journal of Microwave and Wireless Technologies</i> (2022): 1-14.
26.	Abdelaziem, Islam H., <b>Ahmed A. Ibrahim</b> , and Mahmoud A. Abdalla. "A high gain antenna utilizing Mu-near-zero metasurface structures for 5G applications." <i>International Journal of Microwave and Wireless Technologies</i> (2022): 1-9.
27.	Mohamed, Hesham A., Mohamed Edries, Mahmoud A. Abdelghany, and <b>Ahmed A. Ibrahim</b> . "Millimeter-Wave Antenna With Gain Improvement Utilizing Reflection FSS for 5G Networks." <i>IEEE Access</i> 10 (2022): 73601-73609.
28.	Aboelleil, Heba, <b>Ahmed A. Ibrahim</b> , and Ashraf AM Khalaf. "Four-radiator ultra-wideband multiple-input multiple-output antenna with high performance and dual-band rejection features for high-speed communications." <i>International Journal of Communication Systems</i> 35, no. 15 (2022): e5292.
29.	<b>Ahmed A. Ibrahim</b> , and Mohamed Fathy Abo Sree. "UWB MIMO antenna with 4-element, compact size, high isolation and single band rejection for high-speed wireless networks." <i>Wireless Networks</i> 28, no. 7 (2022): 3143-3155.
30.	<b>Ahmed A. Ibrahim</b> , Hesham A. Mohamed, Alan R. Díaz-Rizo, Ramon Parra-Michel, and Hassan Aboushady. "Tunable Filtenna with DGS Loaded Resonators for a Cognitive Radio System Based on an SDR Transceiver." <i>IEEE Access</i> (2022).
31.	Abdelaziem, Islam H., <b>Ahmed A. Ibrahim</b> , and Mahmoud A. Abdalla. "High gain and efficiency dual-band antenna using meta-surface." <i>AEU-International Journal of Electronics and Communications</i> 148 (2022): 154163.
32.	Mabrouk, A. M., <b>Ahmed A. Ibrahim</b> , and Hesham FA Hamed. "Reconfigurable antenna with frequency and beam switching using transformer oil and PIN-diode for microwave applications." <i>Alexandria Engineering Journal</i> 61, no. 3 (2022): 1824-1833.

2022	33.	Kareem, Farah R., Mohamed El Atrash, <b>Ahmed A. Ibrahim</b> , and Mahmoud A. Abdalla. "All-textile inspired-folded dipole antennas for on/off-body communications medical applications." Alexandria Engineering Journal 61, no. 11 (2022): 8751-8761.
	34.	Varshney, Gaurav, R. S. Yaduvanshi, <b>Ahmed A. Ibrahim</b> , and M. A. Abdelhady. "Technique of Controlling the Bandwidth of MIMO Rectangular Dielectric Resonator Antenna." MAPAN (2022): 1-9.
	35.	Malhat, Hend A., Sarah Elgiddawy, Saber Zainud-Deen, Hesham FA Hamed, and <b>Ahmed A. Ibrahim</b> . "Circularly/Linearly Polarized Low-Profile Plasma Microstrip Antenna for MIMO Applications." Wireless Personal Communications (2022): 1-16.
	36.	Malhat, Hend A., Saber H. Zainud-Deen, Hadeer El-Hemaily, Hesham A. Hamed, and <b>Ahmed A. Albrahim</b> . "Reconfigurable Circularly Polarized Hemispherical DRA Using Plasmonic Graphene Strips for MIMO Communications." Plasmonics (2022): 1-10.
	37.	<b>Ahmed A. Ibrahim</b> , and Wael AE Ali. "High gain, wideband and low mutual coupling AMC-based millimeter wave MIMO antenna for 5G NR networks." AEU-International Journal of Electronics and Communications 142, 153990, 2021.
	38.	Mabrouk, A. M., <b>Ahmed A. Ibrahim</b> , and Hesham FA Hamed. Single/Dual-Band Frequency and Polarization Switching Using Frequency Selective Surfaces for Terahertz Applications. Optical and Quantum Electronics, Vol.53, no. 652, 2021
	39.	Kareem, Farah R., Mohamed El Atrash, <b>Ahmed A. Ibrahim</b> , and Mahmoud A. Abdalla. "Dual-band all textile antenna with AMC for heartbeat monitor and pacemaker control applications." International Journal of Microwave and Wireless Technologies ,1-16, 2021.
	40.	Aboelleil, Heba, <b>Ahmed A. Ibrahim</b> , and Ashraf AM Khalaf. "A compact multiple-input multiple-output antenna with high isolation for wireless applications." Analog Integrated Circuits and Signal Processing, Vol. 108(1), pp. 17–24, 2021
	41.	<b>Ahmed A. Ibrahim</b> , Wael AE Ali, and Hassan Aboushady. "Performance Evaluation of SDR Blade RF using Wide-band Monopole Antenna for Spectrum Sensing Applications." Applied Computational Electromagnetics Society Journal, Vol. 36(4), pp. 419–424 ,2021.
	42.	Aziz, Ahmed A. Abdel, Ali T. Abdel-Motagaly, <b>Ahmed A. Ibrahim</b> , Waleed MA El Rouby, and Mahmoud A. Abdalla. "Expanded graphite monopole antenna printed on flexible paper substrate for 2.4 GHz wireless systems." International Journal of Microwave and Wireless Technologies , pp.1-8, 2021.
2021	43.	Mabrouk, A. M., <b>Ahmed A. Ibrahim</b> , and Hesham FA Hamed. "Reconfigurable antenna with frequency and beam switching using transformer oil and PIN-diode for microwave applications." Alexandria Engineering Journal, 2021.
	44.	Mahmoud, Abdelhady, Mohamed I. Ahmed, Gaurav Varshney, and <b>Ahmed A. Ibrahim</b> . "An array of staircase-shaped circularly polarized DRA." International Journal of RF and Microwave Computer-Aided Engineering, Vol. 31, no. 6,2021.

	45. <b>Ahmed A. Ibrahim</b> , and Wael AE Ali. "High isolation 4-element ACS-fed MIMO antenna with band notched feature for UWB communications." International Journal of Microwave and Wireless Technologies , pp. 1-11, 2021.
	46. <b>Ahmed A. Ibrahim</b> , Ali, W. A., & Abdelghany, M. A. (2020). Design of Dual-Band Dual-Mode Band-Pass Filter Utilizing 0° Feed Structure and Lumped Capacitors for WLAN/WiMAX Applications. Electronics, 9(10), 1697, 2020.
	47. <b>Ahmed A. Ibrahim</b> ., El Shafey, O.K. and Abdalla, M.A., 2020. Compact and wideband microwave bandstop filter for wireless applications. Analog Integrated Circuits and Signal Processing, pp.1-8, 2020.
	48. Malhat, H.A.E.A., Mabrouk, A.M., El-Hmaily, H., Hamed, H.F., Zainud-Deen, S.H. and <b>Ahmed A. Ibrahim</b> , Electronic beam switching using graphene artificial magnetic conductor surfaces. Optical and Quantum Electronics, 52(7), pp.1-15, 2020.
2020	49. Abdalla, M.A., <b>Ahmed A. Ibrahim</b> . Open/short circuit terminations of efficient ACS-fed CRLH small antennas. Analog integrated Circuits Signal Process 102, 563–569, 2020.
	50. Tammam, E., Said, A.M., <b>Ahmed A. Ibrahim</b> . and Galal, A.I., About the Interstitial Microwave Cancer Ablation: Principles, Advantages and Challenges. IEEE Access, 8, pp.49685-49694, 2020.
	51. Ahmed A. Abdel Aziz, <b>Ahmed A. Ibrahim</b> , Mahmoud A.Abdalla , Tunable Array Antenna with CRLH Feeding Network Based on Graphene, IETE Journal of Research, accepted, 2019.
	52. Ahmed A.Abdel Aziz, Ali T.Abdel-Motagaly, <b>Ahmed A.Ibrahim</b> ,Waleed M.A.El Rouby, Mahmoud A.Abdalla, A printed expanded graphite paper based dual band antenna for conformal wireless applications, AEU - International Journal of Electronics and Communications Volume 110, October 2019.
	53. Wael A. E. Ali1, Hesham A. Mohamed, <b>Ahmed A. Ibrahim</b> , Mohamed Z. M. Hamdalla, "Gain improvement of tunable band-notched UWB antenna using metamaterial lens for high speed wireless communications", Microsystem Technologies Journal, Vol 25, 2019
	54. <b>Ahmed A Ibrahim</b> , Jan Machac, Raed M. Shubair, UWB MIMO Antenna for High Speed Wireless Applications, Applied Computational Electromagnetics Society Journal, Vol 34, 2019
2019	55. <b>Ahmed A Ibrahim</b> , Mahmoud A. Abdalla , Wael A. E. Ali, Small Size and Wide-Band Band Pass Filter with DGS/CRLH Structures, Applied Computational Electromagnetics Society Journal, Vol 34, 2019
	56. <b>Ahmed A. Ibrahim</b> , Mohamed M. Boghdady Planar UWB Antenna Includes Two Notches , ", Microwaves and RF Magazine, September 2018
	57. Mahmoud A. Abdalla, Ashraf Y. Hassan and <b>Ahmed A. Ibrahim</b> , " Building a Zero-Order BPF with CRLH Transmission Lines", Microwaves and RF Magazine, August 2018, pp. 44-49
	58. <b>Ahmed A. Ibrahim</b> , Mahmoud A. Abdalla and Wael A. E. Ali, "Dual Band Pass Filter with Sharp Transmission Zeros for Wireless Applications", Journal of Instrumentation, vol. 13, no. 6, pp. P06020, June 2018.
2018	59. <b>Ahmed A. Ibrahim</b> , Mahmoud A. Abdalla, Zhirun Hu " Compact ACS-fed CRLH MIMO antenna for wireless applications", IET Microwaves, Antennas



	& Propagation, Vol. 12 Iss. 6, pp. 1021-1025,2018
60.	Wael ALI, <b>Ahmed A. Ibrahim</b> , "Tunable Band Notched UWB Antenna from WLAN to WiMAX with Open Loop Resonators Using Lumped Capacitors", Applied Computational Electromagnetics Society Journal Vol. 33, No. 6, June 2018
61.	<b>Ahmed A. Ibrahim</b> , Mahmoud A. Abdalla, Adel B, " Wireless Bandpass Filters Build on Metamaterials" microwaves &RF Journal accepted
62.	Wael ALI, <b>Ahmed A. Ibrahim</b> , A Compact Double-Sided MIMO Antenna with an Improved Isolation for UWB Applications, International Journal of Electronics and Communications, Vol.82,2017
63.	Ayman Ayed, <b>Ahmed A .Ibrahim</b> , Osma Haraz, Ayman Elboshy, Tri-band compact ACS-fed meander-line antenna for wireless communications, International Journal of Microwave and Wireless Technologies, accepted
64.	<b>Ahmed A. Ibrahim</b> , Hesham Mohamed, Wael ALI, Tunable dual/triple band-pass filter based on stub-loaded resonators for wireless applications, Journal of instrumentation, 2017
65.	<b>Ahmed A. Ibrahim</b> , Mahmoud A. Abdalla , and Djuradj Budimir , Coupled CRLH Transmission Lines for Compact and High Selective Bandpass Filters, Microwave and Optical Technology Letters, vol.59 ,issue 6,2017
66.	<b>Ahmed A.Ibrahim</b> , Jan Machac , Raed M. Shubair ,Compact UWB MIMO Antenna with Pattern Diversity and Band Rejection Characteristics, Microwave and Optical Technology Letters vol.59 ,issue 6,2017
2017 67.	<b>Ahmed A. Ibrahim</b> , Mahmoud A. Abdalla, and Ahmed Boutejdar, A Printed Compact Band-Notched Antenna Using Octagonal Radiating Patch and Meander Slot Technique for UWB Applications, Progress In Electromagnetics Research M, Vol. 54, 153–162, 2017
68.	MA Abdalla, <b>Ahmed A Ibrahim</b> “Design and Performance Evaluation of Metamaterial Inspired MIMO Antennas for Wireless Applications" Wireless Personal Communications ,Vol 95,1001-1017.
69.	<b>Ahmed A. Ibrahim</b> , Mahmoud A. Abdalla, Zhirun Hu " Design of A compact MIMO Antenna with Asymmetric Coplanar strip-fed for UWB Applications, Microwave and Optical Technology Letters vol.59 ,issue 1,2017
70.	Wael ALI, <b>Ahmed A. Ibrahim</b> , Jan MACHAC, Compact Size UWB Monopole Antenna with Triple Band-Notches, Radio engineering journal, Vol 26, No1, 2017..
71.	<b>Ahmed A. Ibrahim</b> , Wael ALI, Jan MACHAC ,UWB Monopole Antenna with Band Notched Characteristics Mitigating Interference with WiMAX, Radio engineering journal, Vol 26, No2, 2017..
72.	Mahmoud A. Abdalla, <b>Ahmed A.Ibrahim</b> , " Simple Mu-Negative Half Mode CRLH Antenna Configuration for MIMO Applications", Radio engineering journal, Vol 26, No1, 2017.
73.	A Boutejdar, <b>Ahmed A Ibrahim</b> , WAE Ali " Design of compact size and tunable band pass filter for WLAN applications" Electronics Letters Vol. 52 No. 24 pp. 1996–1997,2016
74.	<b>Ahmed A Ibrahim</b> , Mahmoud A. Abdalla, "CRLH MIMO Antenna with Reversal Configuration" AEU - International Journal of Electronics and Communications,2016
2016 75.	Ahmed Boutejdar, Nuri Eltabit Mohamed, <b>Ahmed A. Ibrahim</b> , Mahmoud A. Abdalla, “New Compact Dual Band-Pass Filter Using Coupled Double-

	Ring Resonators and DGS-Technique" Applied Computational Electromagnetics Society Journal 31 (2)
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	77. Adel B. Abdel-Rahman, <b>Ahmed A Ibrahim</b> " Metamaterial Enhances Microstrip Antenna Gain" microwaves &RF Journal 2016
	78. <b>Ahmed A Ibrahim</b> , Mahmoud A. Abdalla Ahmed Boutejdar " Hybrid Technique Delivers Dual-Notch UWB Antenna" microwaves &RF Journal 2016
2015	79. Mahmoud A. Abdalla, <b>Ahmed A.Ibrahim</b> ,and Ahmed Boutejdar" Resonator Switching for UWB Antenna in Wireless Applications", IET Microwaves, Antennas & Propagation,2015
	80. A Boutejdar, <b>Ahmed A Ibrahim</b> , EP Burte "Design of a Novel Ultrawide Stopband Lowpass Filter Using a DMS-DGS Technique for Radar Applications" International Journal of Microwave Science and Technology 2015
	81. MA Abdalla, <b>Ahmed A Ibrahim</b> , MH Abd El-Azeem "Phase Enhancement for Multi-Resonance Compact Metamaterial Antennas " Progress In Electromagnetics Research C 60, 83-93
	82. Ahmed Boutejdar · <b>Ahmed A Ibrahim</b> · EP BurteNovel Microstrip Antenna Aims at UWB Applications microwaves &RF Journal 2015
	83. Ahmed Boutejdar · <b>Ahmed A Ibrahim</b> · EP Burte DGS Resonators Form Compact Filters microwaves &RF Journal 2015
	84. Ahmed Boutejdar, <b>Ahmed A Ibrahim</b> , Edmund P Burte , "A Compact Multiple Band-Notched Planer Antenna with Enhanced Bandwidth Using Parasitic Strip Lumped Capacitors and DGS-Technique, " TELKOMNIKA Indonesian Journal of Electrical Engineering vol.13 ,No2,2015
2014	85. <b>Ahmed A. Ibrahim</b> , Mahmoud A. Abdalla, Adel B. Abdel-Rahman, Hesham F. A. Hamed "Compact MIMO Antenna with Optimized Mutual Coupling Reduction Using DGS", International Journal of Microwave and Wireless Technologies 6 (02), 173-180
2013	86. Mahmoud A. Abdalla and <b>Ahmed A. Ibrahim</b> , "Compact and Closely Spaced Meta-Material MIMO Antenna with High Isolation for Wireless Applications, IEEE Wireless Propagation Letter, vol. 12, 2013, pp. 1452-1455.
2011	87. Adel Abd Elrahman, Adel Zein Eldein, <b>Ahmed Abd Elmonem</b> , And Hesham Fathi“ Small Size Defected Ground Structure (DGS) Coupled Resonator Band Pass Filters with Capacitor Loaded Slot Using FDTD Method ”, Wseas Transactions On Communications, Issue 3, Volume 10, March 2011

## **Publications:**

### **II- Conference Papers**

<b><i>Year</i></b>	<b><i>No.</i></b>	<b><i>Conference Publication</i></b>
<b>2023</b>	1.	Elgiddawy, Sarah I., Hend A. Malhat, Saber H. Zainud-Deen, Hisham Hamed, and <b><u>Ahmed A. Ibrahim</u></b> . "Reconfigurable Radiation Pattern of Yagi-Uda Array Based on Graphene Patch Sectors." In 2023 40th National Radio Science Conference (NRSC), vol. 1, pp. 25-32. IEEE, 2023.
<b>2021</b>	2.	Elgiddawy, Sarah, Hend A. Malhat, Saber H. Zainud-Deen, <b><u>Ahmed A. Ibrahim</u></b> , and Hisham Hamed. "Compact Reconfigurable Polarization Plasma Square Microstrip Patch MIMO Antenna for 5G Wireless Applications." In 2021 38th National Radio Science Conference (NRSC), vol. 1, pp. 88-95. IEEE, 2021.
<b>2020</b>	3.	Saad, H.A., <b><u>Ahmed A. Ibrahim</u></b> and Khalaf, A.A., 2020, February. A Proposed UWB MIMO Antenna with Compact Size, High Performance, and Low Mutual Coupling. In 2020 International Conference on Innovative Trends in Communication and Computer Engineering (ITCE) (pp. 313-317). IEEE.
	4.	Mabrouk, A. M., S. H. Zainud-Deen, H. El-Hemaly, H. A. Malhat, <b><u>Ahmed A. Ibrahim</u></b> , and Hesham FA Hamed. "Graphene AMC Array As A Ground Plane for Beam-Switching at Terahertz Band." In 2020 International Conference on Innovative Trends in Communication and Computer Engineering (ITCE), pp. 318-321. IEEE, 2020.
	5.	Tammam, E., <b><u>Ahmed A. Ibrahim</u></b> ., Said, A.M., Yassin, M.M. and Galal, A.I., 2020, February. On Study of Interstitial Two Slots Antenna with floating sleeve for Microwave Hepatic Tumor Ablation. In 2020 International Conference on Innovative Trends in Communication and Computer Engineering (ITCE) (pp. 326-329). IEEE.
	6.	Ali, Wael AE, <b><u>Ahmed A. Ibrahim</u></b> , and Hesham A. Mohamed. "Highly Isolated Two Elements MIMO Antenna with Band-Notched Characteristics for UWB Applications." In 2019 6th International Conference on Advanced Control Circuits and Systems (ACCS) & 2019 5th International Conference on New Paradigms in Electronics & information Technology (PEIT), pp. 77-81. IEEE, 2019.
	7.	Abdelazeem, I. H., <b><u>Ahmed A. Ibrahim</u></b> , and M. A. Abdalla. "Frequency Reconfigurable Based Antenna Utilizing Coding Meta-Surface for Future 5G Applications." In 2019 Thirteenth International Congress on Artificial Materials for Novel Wave Phenomena (Metamaterials), pp. X-001. IEEE, 2019.
	8.	Aziz, Ahmed A. Abdel, <b><u>Ahmed A. Ibrahim</u></b> , and Mahmoud A. Abdalla. "Wide Band Polarization Converter Graphene Metasurface for Mid-Infrared Band." In 2019 Thirteenth International Congress on Artificial Materials for Novel Wave Phenomena (Metamaterials), pp. X-004. IEEE, 2019.
	9.	Mazen M. Yassin, Emad Tammam, <b><u>Ahmed A. Ibrahim</u></b> , Ashraf M. Said ,Ahmed I. Galal, A Dual Ring Interstitial Monopole Antenna with Spherical Heating Pattern for Hepatic Tumor Microwave Ablation National Radio Science Conference, NRSC, Proceedings 2019
	10.	Mazen M. Yassin, Emad Tammam, <b><u>Ahmed A. Ibrahim</u></b> , Ashraf M. Said ,Ahmed I. Galal, Dielectric-Loaded 5.8 GHz Interstitial Monopole Antenna for Spherically-Shaped Hepatic Tumors Ablation, Progress in Electromagnetics Research Symposium, 2019

	11.	<u><b>Ahmed A. Ibrahim</b></u> , Mohamed.K.Rashad, Mostafa Ashraf and Hassan Aboushady, Tunable Defected Ground Structure Band Pass Filter for Cognitive Radio Applications, Progress in Electromagnetics Research Symposium, 2019
<b>2019</b>	12.	<u><b>Ahmed A.Ibrahim</b></u> , Compact Planer UWB Antenna for High Speed Communications, International Conference on Innovative Trends in Computer Engineering (ITCE), Aswan, 2019.
	13.	Ahmed Ali, Abdalla, M.A.aEmail Author, <u><b>Ahmed A.Ibrahim</b></u> , Enhanced Gain Tunable Two Elements Antenna Array Based on Graphene, 2018 IEEE Antennas and Propagation Society International Symposium and USNC/URSI National Radio Science Meeting, APSURSI 2018 – Proceedings.
<b>2018</b>	14.	Fouda, Z.K., <u><b>Ahmed A.Ibrahim</b></u> , Abdalla, M.A. High selective SRR-based narrow band filter with 0° feed structure, National Radio Science Conference, NRSC, Proceedings 2018-March, pp. 91-98
	15.	<u><b>Ahmed A.Ibrahim</b></u> , Machac, J., Shubair, R.M., Svanda, M. Compact UWB MIMO antenna with asymmetric coplanar strip feeding configuration IEEE International Symposium on Personal, Indoor and Mobile Radio Communications, PIMRC 2017-October, pp. 1-4
	16.	<u><b>Ahmed A.Ibrahim</b></u> , Batmanov, A., Burte, E.P. Design of reconfigurable antenna using RF MEMS switch for cognitive radio applications, Progress in Electromagnetics Research Symposium pp. 369-376, 2017
	17.	<u><b>Ahmed A.Ibrahim</b></u> , Mohamed Kamal, Mostafa Ashraf, Ahmed Fawzy, " Compact High Selective DGS Band-Pass Filters for WLAN Applications", Sep 2017 IEEE International Conference on Sensors, Networks, Lebanon
	18.	<u><b>Ahmed A.Ibrahim</b></u> , Mahmoud A. Abdalla, Raed M. Shubair, " High-isolation metamaterial MIMO antenna", 2017 IEEE International AP-S, USA
<b>2017</b>	19.	<u><b>Ahmed A.Ibrahim</b></u> , Jan Machac, Raed M. Shubair, " Design and Measurement of a Compact UWB MIMO Antenna With Asymmetric Coplanar Strip Feed, "2017 IEEE International AP-S, USA
	20.	<u><b>Ahmed A.Ibrahim</b></u> , Ahmed Boutejdar, Raed M. Shubair, " A Novel High-Performance DMS/DGS Low-Pass Filter for Radar Applications 2017 IEEE International AP-S, USA
	21.	<u><b>Ahmed A.Ibrahim</b></u> , Mahmoud A. Abdalla, John L. Volakis, " 4 elements UWB MIMO antenna for wireless applications, "2017 IEEE International AP-S, USA
	22.	<u><b>Ahmed A.Ibrahim</b></u> , Edmund P. Burte, Mahmoud A. Abdalla, Raed M. Shubair, "Size Reduction and Higher Operating Bands of CRLH Antennas, " international conference MMS2016.
	23.	<u><b>Ahmed A. Ibrahim</b></u> , Raed M. Shubair, "Reconfigurable Band-Notched UWB Antenna for Cognitive Radio Applications, " international conference MMS2016.
<b>2016</b>	24.	<u><b>Ahmed A Ibrahim</b></u> , Mahmoud A. Abdalla, " Compact Size UWB Antenna with Multi-band Notched Characteristics for Wireless Applications, "2016 IEEE International AP-S
<b>2015</b>	25.	<u><b>Ahmed A. Ibrahim</b></u> , Mahmoud A. Abdalla, Xianjun Huang, Zhirun Hu, " Compact and Tunable ACS-Fed Monopole, " Symposium on Antennas and Propagation & USNC/URSI National Radio Science Meeting, 2015 IEEE International AP-S
	26.	Mahmoud A. Abdalla, <u><b>Ahmed A. Ibrahim</b></u> , "Multi-band Meta-Material Antenna with Asymmetric Coplanar Strip-Fed Structure, " Symposium on Antennas and

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	27. A Boutejdar, M Challal, AA Wael, <b>Ahmed A Ibrahim</b> , P Burte Compact LPF to UWB BPF transition employing quasi-triangular DGS resonators and a discontinuity on the microstrip feed line 2015 4th International Conference on Electrical Engineering (ICEE),
	28. A Boutejdar, M Challal, AA Wael, <b>Ahmed A Ibrahim</b> , P Burte Design of Compact Quasi-Arrow Head Slotted LPF and Transformation to the DGS-BPF Using Gap-J-Inverter and Multilayer-Techniques 2015 4th International Conference on Electrical Engineering (ICEE)
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2013	32. <b>Ahmed A. Ibrahim</b> , Adel B. Abdel-Rahman, Mahmoud A. Abdalla, Hesham F. A. Hamed "Compact Size Microstrip Coupled Resonator Band Pass Filter Loaded with Lumped Capacitors", International JEC-ECC 2013, Cairo, Egypt, pp. 1-4.
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	35. Mahmoud A. Abdalla, <b>Ahmed A. Ibrahim</b> , Adel B. Abdel-Rahman, Hesham F. A. Hamed, "Investigation Design of a High Isolation Closely Spaced Compact CRLH Meta-Material MIMO Antenna", 30 <sup>th</sup> National Radio Science Conference (NRSC2013), April 16 - 18, 2013, April 16-18, 2013,
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	37. Adel B. Abdel-Rahman and <b>Ahmed A. Ibrahim</b> , "Gain Enhancement of Aperture Coupled Patch Antenna Using Metamaterial and Conical Metal Frame", IEEE APS, Middle East Conference on Antennas and Propagation (MECAP2012), Cairo Egypt, , Dec. 2012

<b>2011</b>	38. Adel B. Abdel-Rahman, Adel Z. El Dein, Hesham F. A. Hamed, <b><u>Ahmed A.Ibrahim</u></b> ,“ Design of Small Size Coupled Resonator Band-Pass Filters with Capacitor Loaded Slot Using FDTD Method ”,28th national radio science conference Egypt,2011.
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<b>2010</b>	40. Adel B. Abdel-Rahman, Adel Z. El Dein, Hesham F. A. Hamed, <b><u>Ahmed A.Ibrahim</u></b> , “Small Size Band Stop Filters With Capacitor Loaded Slot Using FDTD Method ”,International conference Of Energy Engineering (ICEE-2) Aswan,Egypt,2010
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