



# Jawad K. Ali

جواد كاظم علي الساعدي

Lecturer

## PROFILE

Professor Jawad K. Ali was born in Baghdad, Iraq, in November 1956. He earned his B.Sc. and M.Sc. degrees in 1979 and 1986, respectively, from Al-Rasheed College for Science and Technology in Iraq. From 1989 to 1991, he pursued a Ph.D. program at the AZMA Academy in Brno, Czechoslovakia. Since 2010, he has been a Professor of Microwave Engineering at the University of Technology, Iraq, where he is also the founder and head of the Microwave Research Group.

From 2013 to 2015, he served as the Deputy Dean of the College of Electrical Engineering at the same university. In 2018, he completed his Ph.D. in Communication and Electronics Engineering and subsequently served as Vice President for Scientific Affairs and Postgraduate Studies at the University of Technology until December 2019. Professor Ali also served as the Dean of the College of Communication Engineering until 2020.

In 2024, he was appointed head of the Continuing Education Center at the University of Technology. Currently, he holds the title of Emeritus Professor of Microwave Engineering at the College of Communication Engineering. His research interests include the miniaturization and design of microwave antennas, passive microwave circuit design, FPGA-based system design, and scientific research methodology. From 2025 to 2026, he led a committee of experts developing engineering courses for Iraqi universities. In 2026, he earned a prestigious nomination as the first scientific research reviewer at Iraqi universities across disciplines, reflecting his expertise and commitment to advancing knowledge.

Professor Ali is the Editor-in-Chief and a member of several national and international journal editorial boards. He has published over 100 papers at international and local conferences and in peer-reviewed journals. As a reviewer, he has evaluated more than 6,300 articles, as confirmed by the Web of Science. He is a Senior Member of the Institution of Electrical and Electronics Engineers, IEEE, USA, and a member of the Institution of Engineering and Technology, IET, UK, the Institute of Electronics, Information and Communication Engineers, IEICE, Japan, and the American Physical Society, APS, USA.

## ACADEMIC TITLES

2010-03-18	Professor
1997-05-10	Associate Professor
1992-01-06	Lecturer

## ADMINISTRATIVE POSITIONS

2013-03-15 - 2015-05-12	Deputy Dean of the Electrical Engineering Faculty at the University of Technology, Iraq
2019-10-19 - 2019-12-19	Vice Chancellor for scientific and postgraduate affairs, University of Technology, Iraq
2019-12-19 - 2020-06-24	Dean of the Communication Engineering Faculty at the University of Technology, Iraq
2020-06-24 - 2021-04-12	Professor of Microwave Engineering at the Electrical Engineering Faculty,

## CONTACT

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## EDUCATION

دكتوراه (18-10-2018)

Electronics and Communication Engineering  
University of Technology - Iraq

ماجستير (30-06-1996)

Electronics and Communication Engineering  
University of Technology - Iraq

بكالوريوس (30-06-1979)

Electronics and Communication Engineering  
University of Technology - Iraq

## RESEARCH METRICS

h-index (Scopus)	20
h-index (GS)	28
Citations (Scopus)	1060
Citations (GS)	1982
Documents (Scopus)	87
Documents (GS)	174

## AWARDS

- 2019 Peer Review Awards - Top 1% in Field "Cross-field"  
<https://publons.com/researcher/1315117/jawad-k-ali/>
- 2019 Peer Review Awards - Top 1% in Field "Engineering"  
<https://publons.com/researcher/1315117/jawad-k-ali/>
- 2018 Peer Review Awards - Top 1% in Field "Cross-Field"  
<https://publons.com/awards/2018/esi/?name=Jawad%20K.%20Ali&esi=23s> in Cross-Field -2018 Peer Review

## RESEARCH INTERESTS

- Electromagnetics
- Computational Electromagnetics
- Communication Engineering
- Electromagnetic Compatibility

- Antenna Design
- Microwave Filters
- Antenna Engineering
- Microwave Antennas
- Antennas and Propagation
- Engineering Education
- Microwave Engineering
- Microwave Measurements
- Antenna Arrays
- Microwaves Science
- Education Electromagnetism Electronic Engineering
- Telecommunications Engineering
- Fractal Antennas
- Filter Design
- MIMO Antennas
- RF Engineering
- RF Circuit Simulation
- Microwave Applications
- Metamaterials
- RF Technologies
- Microwave and Communication Engineering
- EMC
- Wireless Communications
- Communication Systems
- Microstrip Antennas
- Fractal Geometry
- FPGA Based Design
- FPGA



University of Technology, Iraq

2022-08-01 - 2022-09-01

Head of the Continuing Education Center, University of Technology, Iraq

2021-04-13 - Present

Professor of Microwave Engineering at the Communication Engineering Faculty, University of Technology, Iraq

## INTERNATIONAL MEMBERSHIPS

- IEEE, Senior Member
- IET
- APS
- IEICE

## PUBLICATIONS ( 2 1 4 )

1. **Enhanced Gain Ultra-Wideband Antenna with Different Notch Response**  
*Progress in Electromagnetics Research C 167, 50, 2026 | 2026 | Cited: 1*
2. **Development of a Cost-Effective Sensor to Detect Hazardous Contaminants in Animal Feed for Smart Livestock Production**  
*Authorea 2026 (0313), 2026 | 2026*
3. **A Swastika-like fractal-based compact quarter-mode substrate integrated waveguide X-Band resonator**  
*AIP Conference Proceedings 3169 (1), 2025 | 2025*
4. **Dual-Functional Antenna Array for Multi-Band MIMO Applications**  
*Cyber Intelligence and Information Retrieval: Proceedings of CIIR 2023&nbsp;..., 2025 | 2025*
5. **A Swastika-like fractal-based compact quarter-mode substrate integrated waveguide X-Band resonator**  
*AIP Conference Proceedings 3169 (1), 040035, 2025 | 2025 | Cited: 1*
6. **A Single Layer Metasurface Based Reflectarray for X-Band Application**  
*2025 International Conference on Electronics, Information, and Communication&nbsp;..., 2025 | 2025*
7. **Switchable/Tunable Dual-Band BPF for Bluetooth and 5G NR Applications**  
*Progress in Electromagnetics Research C 152, 103-110, 2025 | 2025 | Cited: 3*
8. **A Blockchain Approach for Enhanced Traceability and Quality Assurance in Construction Supply Chains**  
*2025 4th International Conference on Computing and Information Technology&nbsp;..., 2025 | 2025*
9. **A Reconfigurable Capacitively-coupled Microstrip Bandpass Filter for 4G LTE and 5G Applications**  
*2025 International Conference on Computer Science and Software Engineering&nbsp;..., 2025 | 2025*
10. **Clinical diagnostics of bacterial infections and their resistance to antibiotics-Current state and novel enabling technologies implementation perspectives**  
*Bacterial Enzymes as Targets for Drug Discovery, 41-50, 2025 | 2025*
11. **A Fractal-Based Compact Tunable Bandpass Filter with High Selectivity and Band Rejection**  
*Journal of Engineering and Sustainable Development 29 (6), 794-799, 2025 | 2025*
12. **Dual-Broadband Metasurface Printed on Mobile Phone Back Cover for Enhanced Antenna Performance and SAR Reduction**  
*Wireless Personal Communications 142 (1), 185-212, 2025 | 2025 | Cited: 1*
13. **Metasurface-Loaded Biodegradable Mobile Phone Back Cover for Enhanced Radiation Performance**  
*Materials 18 (4), 730, 2025 | 2025 | Cited: 1*
14. **Mediating effect of corporate image towards Islamic bank loyalty: the role of religiosity, collectivism, sight cues, and CSR**  
*Islamic finance in the modern era, 161-178, 2024 | 2024 | Cited: 5*

15. **Investigating the potential of Nanopore sequencing and Raman spectroscopy for rapid diagnosis of sepsis**  
*Høgskolen i Innlandet, 2024 | 2024*
16. **Detection of pathogens and antimicrobial resistant genes from urine within 5 hours using Nanopore sequencing**  
*bioRxiv, 2024.03. 04.582689, 2024 | 2024 | Cited: 1*
17. **Tri-Beam UHF-RFID Tag Antenna for Indoor Asset Tracking**  
*2024 21st International Conference on Electrical Engineering/Electronics&nbsp;..., 2024 | 2024 | Cited: 1*
18. **Transparent UHF-RFID Tag Antenna for IoT Applications**  
*2024 21st International Conference on Electrical Engineering/Electronics&nbsp;..., 2024 | 2024 | Cited: 4*
19. **Seed activation effect on wheat growth and yield components**  
*SABRAO J. Breed. Genet 56 (4), 1712-1719, 2024 | 2024 | Cited: 2*
20. **A Proximity-Fed Multi-Band Printed Antenna for Wireless Communication Applications**  
*Progress in Electromagnetics Research C 145, 2024 | 2024 | Cited: 2*
21. **A proximity-fed multi-band printed antenna for wireless communication applications**  
*Progress In Electromagnetics Research C 145, 153-165, 2024 | 2024 | Cited: 9*
22. **Enhancement of Radio Frequency Identification Coverage for Various Indoor Scenarios Using Diversified Radiation Patterns of Tag and Reader Antennas**  
*2024*
23. **SPECIAL SECTION ON ANTENNA-ENABLED SENSORS AND SYSTEMS**  
*2024*
24. **Investigating the potential of Nanopore sequencing and Raman spectroscopy for rapid diagnosis of sepsis**  
*2024*
25. **Culture and amplification-free nanopore sequencing for rapid detection of pathogens and antimicrobial resistance genes from urine**  
*European Journal of Clinical Microbiology & Infectious Diseases 43 (11&nbsp;..., 2024 | 2024 | Cited: 13*
26. **A Compact Dual-Band Dual-Polarized Antenna Based on Modified Minkowski Fractal.**  
*Progress in Electromagnetics Research C 140, 2024 | 2024 | Cited: 7*
27. **Single-Layer Metasurface-Based Reflectarray Antenna with H-Shaped Slotted Patch for X-Band Communication**  
*Nanomaterials 14 (18), 1495, 2024 | 2024 | Cited: 7*
28. **A sub-Riemannian model of neural states in the primary motor cortex**  
*arXiv preprint arXiv:2501.03247, 2024 | 2024 | Cited: 2*
29. **Mediating Effect of Corporate Image towards Islamic Bank Loyalty: The Role of Religiosity, Collectivism, Sight Cues, and CSR**  
*Islamic Finance in the Modern Era, 161-178, 2024 | 2024 | Cited: 2*
30. **SEED ACTIVATION EFFECT ON THE WHEAT GROWTH AND YIELD COMPONENTS.**  
*SABRAO Journal of Breeding & Genetics 56 (4), 2024 | 2024 | Cited: 1*
31. **A Miniaturized Dual-Band Antenna for 5G mm-Wave Applications**  
*2024 International Conference on Information Networking (ICOIN), 557-559, 2024 | 2024 | Cited: 3*
32. **Low-Cost Indoor Localization Using Dual-Chip RFID Tag**  
*IEEE Open Journal of Antennas and Propagation, 2024 | 2024 | Cited: 3*
33. **Low-cost indoor localization using dual-chip RFID tag**  
*IEEE Open Journal of Antennas and Propagation 5 (5), 1209-1220, 2024 | 2024 | Cited: 5*
34. **Examining Mediating Effect of Customer Satisfaction among Factors of Service Quality and Purchase Intention**  
*2024 | Cited: 8*
35. **Enhancement of Radio Frequency Identification Coverage for Various Indoor Scenarios Using Diversified Radiation Patterns of Tag and Reader Antennas**  
*Authorea Preprints, 2024 | 2024*

36. **Short turnaround time of seven to nine hours from sample collection until informed decision for sepsis treatment using nanopore sequencing**  
*Scientific Reports 14 (1), 6534, 2024 | 2024 | Cited: 35*
37. **Compact SIW BPF Loaded with a Tree Shaped Fractal Slot for LEO Satellite Communication Systems**  
*2024 3rd International Conference on Advances in Engineering Science and&nbsp;..., 2024 | 2024*
38. **Design of a compact triple-band dipole antenna for wearable devices**  
*AIP Conference Proceedings 2651, 2023 | 2023*
39. **An eight-element multi-band MIMO antenna system for 5G mobile terminals**  
*AIP Conference Proceedings 2651 (1), 060005, 2023 | 2023 | Cited: 16*
40. **Comprehensive review of isolation techniques in MIMO antennas for 5G mobile devices**  
*Radioelectronics and Communications Systems, 2023 | 2023 | Cited: 14*
41. **Designing Eight-port Antenna Array for Multi-Band MIMO Applications in 5G Smartphones, Journal of Telecommunications and Information Technology, 2023, nr 4**  
*Instytut Łączności-Państwowy Instytut Badawczy, 2023 | 2023*
42. **Designing Eight-port Antenna Array for Multi-Band MIMO Applications in 5G Smartphones**  
*Journal of Telecommunications and Information Technology, 2023 | 2023 | Cited: 13*
43. **Designing eight-port antenna array for multi-band MIMO applications in 5G smartphones**  
*Journal of Telecommunications and Information Technology, 18-24, 2023 | 2023 | Cited: 19*
44. **Multi Input Multi Output Antenna Array Design for 5G N78 Applications in Smartphones**  
*Al-Rafidain Journal of Engineering Sciences, 50-57, 2023 | 2023 | Cited: 3*
45. **Effect of different botanical and synthetic insecticides against tomato fruit worm (Helicoverpa armigera)**  
*Journal of Xi'an Shiyou University, Natural Science Edition 19 (4), 474-487, 2023 | 2023 | Cited: 1*
46. **Dual-Functional Antenna Array for Multi-Band MIMO Applications in 5th Generation Mobile Phones**  
*International Conference on Cyber Intelligence and Information Retrieval&nbsp;..., 2023 | 2023*
47. **A Miniaturized Square Cavity SIW Dual-Band BPF with Slotted Koch Snowflake Fractal Based Design**  
*SSRG International Journal of Electronics and Communication Engineering 10&nbsp;..., 2023 | 2023 | Cited: 2*
48. **The Multi Input Multi Output Antenna Array Design for 5G N78 Applications in Smartphones**  
*Al-Rafidain Journal of Engineering Sciences 1 (1), 2023 | 2023 | Cited: 1*
49. **A Slotted Peano-Type Fractal Based Highly Miniaturized Substrate Integrated Waveguide Dual-Mode BPF for Wireless Communication Systems**  
*2023 Al-Sadiq International Conference on Communication and Information&nbsp;..., 2023 | 2023 | Cited: 4*
50. **A compact high isolation four elements MIMO antenna system for 5G mobile devices**  
*Engineering and Technology Journal 40 (8), 1055-1061, 2022 | 2022 | Cited: 8*
51. **A multi-criteria group decision-making approach based on revised distance measures under dual hesitant fuzzy setting with unknown weight information**  
*Soft Computing 26 (17), 8387-8401, 2022 | 2022 | Cited: 12*
52. **Toxoplasmosis And Its Effect On Pregnant Women Attending Hospitals In Babylon Province, Iraq**  
*Journal of Positive School Psychology 6 (3), 1029-1033, 2022 | 2022*
53. **A multi-criteria group decision-making approach based on revised distance measures under dual hesitant fuzzy setting with unknown weight information: J. Ali et al.**  
*Soft Computing 26 (17), 8387-8401, 2022 | 2022 | Cited: 16*
54. **Design of flexible dual-band tree fractal antenna for wearable applications**  
*PIER C 125, 51, 2022 | 2022 | Cited: 5*
55. **A Compact High Isolation Four Elements MIMO Antenna System for 5G Mobile Devices**  
*Engineering and Technology Journal 40 (08), 1055-1061, 2022 | 2022 | Cited: 7*
56. **Prevalence of Protozoal Intestinal Parasite among Children in Babylon Province. Iraq**  
*Prevalence 15 (1), 2022 | 2022*
57. **Compact Self-Isolated MIMO Antenna System for 5G Mobile Terminals.**  
*Computer Systems Science & Engineering 42 (3), 2022 | 2022 | Cited: 21*

58. **Design of flexible dual-band tree fractal antenna for wearable applications**  
*PIER C 125, 51-66, 2022 | 2022 | Cited: 5*
59. **Design of bandpass filter for 5g applications with high-selectivity and wide band rejection**  
*2022 Muthanna International Conference on Engineering Science and Technology&nbsp;..., 2022 | 2022 | Cited: 17*
60. **Compact MIMO antenna designs based on hybrid fractal geometry for 5G smartphone applications**  
*Progress in Electromagnetics Research C 118, 247-262, 2022 | 2022 | Cited: 26*
61. **Compact MIMO antenna designs based on hybrid fractal geometry for 5G smartphone applications**  
*Prog. Electromagn. Res. C 118 (0), 247, 2022 | 2022 | Cited: 17*
62. **Toxoplasmosis And Its Effect On Pregnant Women Attending Hospitals In Babylon Province, Iraq**  
*Journal of Positive School Psychology 6 (3), 1029–1033-1029–1033, 2022 | 2022*
63. **A compact high isolation four elements MIMO antenna system for 5G mobile devices**  
*Engineering and Technology Journal 40 (8), 1055-1061, 2022 | 2022 | Cited: 8*
64. **On the Design of Triple Band Dipole Flexible Antenna for Wearable RFID Devices**  
*2021 International Symposium on Networks, Computers and Communications&nbsp;..., 2021 | 2021 | Cited: 1*
65. **An Eight-Element MIMO Antenna system for 5G Mobile Handsets**  
*International Symposium on Networks, Computers and Communications, ISNCC&nbsp;..., 2021 | 2021 | Cited: 20*
66. **Practical Bending studying on UWB pentagonal flexible antenna**  
*2020 IEEE International Symposium on Antennas and Propagation and North&nbsp;..., 2020 | 2020 | Cited: 11*
67. **A compact size multiband printed monopole antenna with triple sense circular polarization for wireless applications**  
*2020 | Cited: 1*
68. **A high gain microstrip antenna based on substrate integrated waveguide technology for modern wireless communication**  
*IOP Conference Series: Materials Science and Engineering 671, 012038, 2020 | 2020 | Cited: 1*
69. **Ultra-wideband antenna development to enhance gain for surface penetrating radar**  
*Wireless Personal Communications 115 (3), 1821-1838, 2020 | 2020 | Cited: 16*
70. **A compact size multiband printed monopole antenna with triple sense circular polarization for wireless applications**  
*Journal of optoelectronics and advanced materials 22 (September-October 2020&nbsp;..., 2020 | 2020 | Cited: 1*
71. **A compact multiband printed monopole antenna with hybrid polarization radiation for GPS, LTE, and satellite applications**  
*IEEE Access 8, 110371-110380, 2020 | 2020 | Cited: 38*
72. **Antenna Design Using UWB Configuration for GPR Scanning Applications**  
*Emerging Trends in Intelligent Computing and Informatics: Data Science&nbsp;..., 2020 | 2020 | Cited: 1*
73. **A high gain microstrip antenna based on substrate integrated waveguide technology for modern wireless communication**  
*IOP Conference Series: Materials Science and Engineering 671 (1), 012038, 2020 | 2020 | Cited: 1*
74. **The prevalence of Giardia duodenalis and Entamoeba histolytica in Al-Sidder City, Baghdad, Iraq.**  
*Biochemical & Cellular Archives 20, 2020 | 2020*
75. **Ultra-wideband antenna development to enhance gain for surface penetrating radar**  
*Wireless Personal Communications 115, 1821-1838, 2020 | 2020 | Cited: 13*
76. **Incidence of Hymenolepis nana among patients attending Al-Mahaweel Hospital, Babylon Province.**  
*Biochemical & Cellular Archives 19 (1), 2019 | 2019*
77. **Wunderlich curve fractal dipole antenna for dual-band wearable RFID applications**  
*Journal of Engineering and Applied Sciences 14 (4), 1093-1099, 2019 | 2019 | Cited: 14*
78. **Antenna Design Using UWB Configuration for GPR Scanning Applications**  
*International Conference of Reliable Information and Communication&nbsp;..., 2019 | 2019 | Cited: 1*
79. **A new miniaturized folded fractal based PIFA antenna design for MIMO wireless applications**  
*Proceedings of the International Conference on Information and Communication&nbsp;..., 2019 | 2019 | Cited: 10*

80. **Complex constitutive characterizations of materials in the X-band using a non-destructive technique**  
*Special Issue of the 8th International Advances in Applied Physics and&nbsp;..., 2019 | 2019 | Cited: 6*
81. **A dual-band printed antenna design based on annular Koch snowflake slot structure**  
*Wireless Personal Communications 104 (2), 649-662, 2019 | 2019 | Cited: 33*
82. **A novel multi-attribute group decision-making approach in the framework of proportional dual hesitant fuzzy sets**  
*Applied Sciences 9 (6), 1232, 2019 | 2019 | Cited: 29*
83. **A polygonal open-loop resonator compact bandpass filter for Bluetooth and WLAN applications**  
*IOP Conference Series: Materials Science and Engineering 433 (1), 012083, 2018 | 2018 | Cited: 11*
84. **A polygonal open-loop resonator compact bandpass filter for Bluetooth and WLAN applications**  
*IOP Conference Series: Materials Science and Engineering 433, 012083, 2018 | 2018 | Cited: 10*
85. **Fractal Geometry: An Attractive Choice for Miniaturized Planar Microwave Filter Design**  
*Fractal Analysis, 2018 | 2018 | Cited: 7*
86. **Design of compact dual-mode fractal based microstrip band reject filter**  
*ARPJ Journal of Engineering and Applied Sciences, 2018 | 2018 | Cited: 8*
87. **An Ultra-Wideband Metal-Only Dipole Reflectarray Antenna**  
*2018 18th International Symposium on Antenna Technology and Applied&nbsp;..., 2018 | 2018*
88. **Design of compact dual-band fractal monopole antenna with virtually extended ground plane**  
*Advanced Electromagnetics 7 (4), 19-26, 2018 | 2018 | Cited: 15*
89. **MINKOWSKI FRACTAL GEOMETRY: AN ATTRACTIVE CHOICE OF COMPACT ANTENNA AND FILTER DESIGNS**  
*ARPJ Journal of Engineering and Applied Sciences 13 (21), 8548-8553, 2018 | 2018 | Cited: 4*
90. **Design of a triple-band fractal-based BPF with asymmetrical SLR structures**  
*Journal of Engineering and Applied Sciences 13 (7), 1617-1620, 2018 | 2018 | Cited: 2*
91. **A Dual-Band BPF Based on Asymmetrical-Meandered Configuration for Communication Systems**  
*2018 Third Scientific Conference of Electrical Engineering (SCEE), 294-298, 2018 | 2018 | Cited: 5*
92. **Design of compact dual-mode fractal based microstrip band reject filter**  
*ARPJ Journal of Engineering and Applied Sciences 13 (7), 2395-2399, 2018 | 2018 | Cited: 8*
93. **A dual-band printed slot antenna for WiMAX and metrological wireless applications**  
*Advanced Electromagnetics 7 (3), 75-81, 2018 | 2018 | Cited: 6*
94. **Simulation of Square Ring Microstrip Patch Antenna Performance Based on Effects of Various Dielectric Substrates**  
*Asian Simulation Conference, 679-694, 2017 | 2017 | Cited: 6*
95. **Miniaturized SIW wideband BPF based on folded ring and meander line slot for wireless applications**  
*2017 Second Al-Sadiq International Conference on Multidisciplinary in IT and&nbsp;..., 2017 | 2017 | Cited: 11*
96. **Simulation of Square Ring Microstrip Patch Antenna Performance Based on Effects of Various Dielectric Substrates**  
*Modeling, Design and Simulation of Systems: 17th Asia Simulation Conference&nbsp;..., 2017 | 2017 | Cited: 6*
97. **Compact dual-band bandpass filter based on fractal stub-loaded resonator**  
*2017 Progress In Electromagnetics Research Symposium-Spring (PIERS), 1815-1819, 2017 | 2017 | Cited: 8*
98. **A compact dual-band slot antenna based on Koch fractal snowflake annular ring**  
*2017 Progress In Electromagnetics Research Symposium-Spring (PIERS), 670-674, 2017 | 2017 | Cited: 12*
99. **COMPACT QUAD-BAND BPF DESIGN WITH FRACTAL STEPPED-IMPEDANCE RING RESONATOR**  
*ARPJ Journal of Engineering and Applied Sciences 12 (24), 7352-7363, 2017 | 2017 | Cited: 7*
100. **Compact Dual-mode Microstrip Band Reject Filters Based on Koch Fractal Geometry**  
*Progress In Electromagnetics Research Symposium, PIERS 2017, St Petersburg&nbsp;..., 2017 | 2017 | Cited: 3*
101. **Evaluation of vegetative performance of maize with plowing management at Buner. Pure and Applied Biology**  
2017

102. **DESIGN AND IMPLEMENTATION AN EFFECTIVE ENERGY TRANSFER SYSTEM FOR POWERING THE REMOTE IMPLANTABLE BIOMEDICAL DEVICES**  
*ARPJ Journal of Engineering and Applied Sciences 12 (23), 6809 - 6816, 2017 | 2017*
103. **A Fractal Based BSF for Microwave Oven Radiation Leakage Reduction**  
*2016*
104. **Design of BSF with Controlled Characteristics Based on Minkowski Fractal Geometry**  
*Engineering and Technology Journal, 2016 | 2016 | Cited: 16*
105. **Preliminary phytochemical analysis, antioxidant, and antimicrobial evaluation of *Carthamus lanatus***  
*Innovare Journal of Science 4, 1-3, 2016 | 2016 | Cited: 4*
106. **Efficient, scalable and privacy preserving application attestation in a multi stakeholder scenario**  
*International Conference on Computational Science and its Applications, 407-421, 2016 | 2016 | Cited: 3*
107. **Wunderlich Fractal-based Printed Dual-band Dipole Antenna for Wearable RFID Applications**  
*2016 | Cited: 16*
108. **Antioxidant, antimicrobial and urease inhibiting activities of methanolic extracts from *Cyphostemma digitatum* stem and roots**  
*Natural product research 30 (4), 486-488, 2016 | 2016 | Cited: 8*
109. **The influence of different media on rooting of litchi plant through air layering**  
*New Media Mass Commun 47, 12-15, 2016 | 2016 | Cited: 7*
110. **Rooting and growth of chrysanthemum cultivars in response to different levels of calcium**  
*International Journal of Biosciences 8 (2), 124-29, 2016 | 2016 | Cited: 2*
111. **A Fractal-based Dual-mode Microstrip Bandstop Filter for Wireless Applications**  
*2016 | Cited: 9*
112. **Investigation of dual-mode microstrip bandpass filter based on SIR technique**  
*PLoS one 11 (10), e0164916, 2016 | 2016 | Cited: 34*
113. **Mango seed germination in different media at different depth**  
*J Nat Sci Res 6 (1), 56-59, 2016 | 2016 | Cited: 8*
114. **Reconfigurable bandwidth and tunable dual-band bandpass filter design for Ultra-Wideband (UWB) applications**  
*Electromagnetics 36 (6), 366-378, 2016 | 2016 | Cited: 12*
115. **Efficient, scalable and privacy preserving application attestation in a multi stakeholder scenario**  
*Computational Science and Its Applications--ICCSA 2016: 16th International&nbsp;..., 2016 | 2016 | Cited: 3*
116. **Extraction of dual-band antenna response from UWB based on current distribution analysis**  
*Technical Report, MRG 6--2016, Microwave Research Group, Department of&nbsp;..., 2016 | 2016 | Cited: 8*
117. **Assessment of Indoor Placement of Pothos (*Epipremnum aureum*) in Nowshera Region**  
*Assessment 6 (15), 2016 | 2016*
118. **A Compact Triple Band BSF Design Based on Minkowski Fractal Geometry**  
*18th IEEE Mediterranean Electrotechnical Conference, MELECON 2016, 2016 | 2016 | Cited: 18*
119. **Design of compact bandpass filters based on fractal defected ground structure (DGS) resonators**  
*Indian Journal of Science and Technology 9 (39), 1-9, 2016 | 2016 | Cited: 19*
120. **Influence of nitrogen level and planting time on growth of Aloe vera plant**  
*International Journal of Biosciences 9 (4), 270-280, 2016 | 2016 | Cited: 4*
121. **Influence of nitrogen level and planting time on growth of Aloe vera plant**  
*International Journal of Bioscience 9 (4), 270-280, 2016 | 2016 | Cited: 4*
122. **Rooting and growth of chrysanthemum cultivars in response to different levels of calcium**  
*International journal of Biosciences 8 (2), 124-29, 2016 | 2016 | Cited: 1*
123. **Free radical scavenging activity in in vitro-derived tissues of *Eruca sativa***  
*Toxicology and Industrial Health 32 (1), 98-105, 2016 | 2016 | Cited: 24*
124. **Cantor fractal-based printed slot antenna for dual-band wireless applications**  
*International Journal of Microwave and Wireless Technologies 8 (2), 263-270, 2016 | 2016 | Cited: 49*

125. **A Dual Circularly Polarized Patch Antenna for Broadband MilliMeter Wave (MMW) Communication Systems**  
*2016 IEEE International Symposium on Antennas and Propagation/ USNC-URSI&nbsp;..., 2016 | 2016 | Cited: 28*
126. **A compact bandpass filter based on fractal defected ground structure Resonators**  
*Submitted to IETE Journal of Research, 2016 | 2016 | Cited: 5*
127. **Miniaturised microstrip bandpass filters based on Moore fractal geometry**  
*International Journal of Electronics 102 (8), 1306-1319, 2015 | 2015 | Cited: 57*
128. **A Compact Dual-band Bandstop Filter Based on Fractal Microstrip Resonators**  
*Progress In Electromagnetics Research Symposium, PIERS 2015, 2015 | 2015 | Cited: 21*
129. **Compact Substrate Integrated Waveguide BPF for Wideband Communication Applications**  
*2015 | Cited: 25*
130. **An Accurate Technique to Model the Substrate of Wearable Textile Antennas**  
*2015*
131. **A miniature fractal-based dual-mode dual-band microstrip bandpass filter design**  
*International Journal of Microwave and Wireless Technologies 7 (2), 127-133, 2015 | 2015 | Cited: 35*
132. **Recognition of QAM Signals with Low SNR Using a Combined Threshold Algorithm**  
*IETE Journal of Research 61 (1), 65-71, 2015 | 2015 | Cited: 18*
133. **Switchable square ring bandpass to bandstop filter for ultra-wideband applications**  
*International Journal of Microwave and Wireless Technologies, 1-10, 2015 | 2015 | Cited: 6*
134. **Wearable Sierpinski Dragon Fractal Patch Antenna for RFID Applications**  
*2014 | Cited: 2*
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