

Ali Jabbar Salim

علي جبارسالم كاطع الساعدي

Assistant Professor

ACADEMIC TITLES

2017-04-18 **Assistant Professor**

ADMINISTRATIVE POSITIONS

2021-06-01 - Present **Deputy Head of Department**

PUBLICATIONS (79)

1. **A Non-Destructive Technique for Asphalt Compaction Measurement Using Dual-Ring Resonator Sensor**
   Progress in Electromagnetics Research C 159, 2025 | 2025
2. **Dual-Functional Antenna Array for Multi-Band MIMO Applications**
   Cyber Intelligence and Information Retrieval: Proceedings of CIIR 2023 ..., 2025 | 2025
3. **Enhancement of full double pass L-shape hybrid fiber amplifier utilizing tunable optical filter**
   AIP Conference Proceedings 3211 (1), 070002, 2025 | 2025
4. **Design and optimization of a modified straight-tapered Vivaldi antenna using ANN for GPR system**
   Open Engineering 15 (1), 20250143, 2025 | 2025 | Cited: 3
5. **A Swastika-like fractal-based compact quarter-mode substrate integrated waveguide X-Band resonator**
   AIP Conference Proceedings 3169 (1), 2025 | 2025 | Cited: 1
6. **A Proximity-Fed Multi-Band Printed Antenna for Wireless Communication Applications**
   Progress in Electromagnetics Research C 145, 2024 | 2024 | Cited: 10
7. **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 ..., 2024 | 2024
8. **A Compact Dual-Band Dual-Polarized Antenna Based on Modified Minkowski Fractal.**
   Progress in Electromagnetics Research C 140, 2024 | 2024 | Cited: 7
9. **A high-efficiency, indirectly-fed, dual moon-shaped printed antenna for measuring sand gradation**
   2024 IEEE 7th International Symposium on Telecommunication Technologies ..., 2024 | 2024 | Cited: 2
10. **Performance enhancement of L-shape hybrid fiber amplifier via combining of tunable optical filter and second-order stimulated Raman scattering**
    Journal of Optics 53 (3), 2238-2246, 2024 | 2024
11. **RECONFIGURABLE COMPOSITE RIGHT/LEFT-HANDED TRANSMISSION LINE ANTENNA BASED MINKOWSKI-STEPPED IMPEDANCE RESONATOR STRUCTURE FOR 5G COMMUNICATION NETWORKS**
    Journal of Engineering Science and Technology 18 (2), 1137-1152, 2023 | 2023
12. **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
13. **Reconfigurable CRLH–inspired antenna based on Hilbert curve EBG structure for modern wireless systems**
    Microwave and Optical Technology Letters 65 (9), 2646-2655, 2023 | 2023 | Cited: 11

CONTACT

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EDUCATION

(25-02-2012) دكتوراه
Communication Engineering
Technology

RESEARCH METRICS

h-index (Scopus)	14
h-index (GS)	16
Citations (Scopus)	529
Citations (GS)	746
Documents (Scopus)	58
Documents (GS)	75

14. **A Miniaturized Square Cavity SIW Dual-Band BPF with Slotted Koch Snowflake Fractal Based Design**
SSRG International Journal of Electronics and Communication Engineering 10 ..., 2023 | 2023 | Cited: 2

15. **An eight-element multi-band MIMO antenna system for 5G mobile terminals**
AIP Conference Proceedings 2651 (1), 060005, 2023 | 2023 | Cited: 16

16. **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

17. **Designing Eight-port Antenna Array for Multi-Band MIMO Applications in 5G Smartphones**
Journal of Telecommunications and Information Technology 4, 18-24, 2023 | 2023 | Cited: 19

18. **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 ..., 2023 | 2023 | Cited: 4

19. **Dual-Functional Antenna Array for Multi-Band MIMO Applications in 5th Generation Mobile Phones**
International Conference on Cyber Intelligence and Information Retrieval ..., 2023 | 2023

20. **Isolation techniques in MIMO antennas for 5G mobile devices (comprehensive review)**
Radioelectronics and Communications Systems 66 (6), 263-287, 2023 | 2023 | Cited: 13

21. **Методи розв'язки в антенах MIMO для мобільних пристроїв 5G (комплексний огляд)**
Известия высших учебных заведений. Радиоэлектроника | 2023

22. **Reconfigurable composite right/left-handed transmission line antenna based Hilbert/Minkowski stepped impedance resonator for wireless applications**
Radioelectronic and Computer Systems, 77-91, 2023 | 2023 | Cited: 7

23. **Antenna Gain-Bandwidth Enhancements Using CRLH Hilbert Fractal-based Structure**
Engineering and Technology Journal | 2022 | Cited: 7

24. **A Compact Self-Isolated MIMO Antenna System for 5G Mobile Terminals**
Computer Systems Science and Engineering | 2022 | Cited: 20

25. **A new tunable dual-mode dual-band square cavity siw bandpass filter**
Progress In Electromagnetics Research C 118, 113-123, 2022 | 2022 | Cited: 14

26. **A miniaturized printed circuit CRLH antenna-based Hilbert metamaterial array**
Journal of Communications Software and Systems 18 (3), 236-243, 2022 | 2022 | Cited: 26

27. **Compact MIMO antenna designs based on hybrid fractal geometry for 5G smartphone applications**
Prog. Electromagn. Res. C 118, 247-262, 2022 | 2022 | Cited: 27

28. **A Compact High Isolation Four Elements MIMO Antenna System for 5G Mobile Devices**
Engineering and Technology Journal 40 (08), 1055-1061, 2022 | 2022 | Cited: 9

29. **Design and Simulation of a CRLH Transmission Line Antenna of a Hilbert Fractal Geometry for S-Band Appications**
2021 International Conference on Electrical, Computer and Energy ..., 2021 | 2021 | Cited: 4

30. **An Eight-Element MIMO Antenna system for 5G Mobile Handsets**
International Symposium on Networks, Computers and Communications, ISNCC ..., 2021 | 2021 | Cited: 21

31. **On the distortionless of uwb wearable hilbert-shaped metamaterial antenna for low energy applications**
Progress In Electromagnetics Research M 101, 219-239, 2021 | 2021 | Cited: 33

32. **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 ..., 2020 | 2020 | Cited: 1

33. **A high gain microstrip antenna based on substrate integrated waveguide technology for modern wireless communication**
3rd International Conference on Engineering Sciences 671 (012038), 2020 | 2020 | Cited: 1

34. **A compact multiband printed monopole antenna with hybrid polarization radiation for GPS, LTE, and satellite applications**
IEEE Access 8, 110371-110380, 2020 | 2020 | Cited: 41

35. **A new miniaturized folded fractal based PIFA antenna design for MIMO wireless applications**
Proceedings of the International Conference on Information and Communication ..., 2019 | 2019 | Cited: 9

36. **Wunderlich curve fractal dipole antenna for dual-band wearable RFID applications**
Journal of Engineering and Applied Sciences | 2019

37. **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 ..., 2019 | 2019 | Cited: 11

38. **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 ..., 2019 | 2019 | Cited: 7

39. **Design of Enhanced Distance-Based Neighbor Protocol for MANET with the Aid of ELECTRE Algorithm**
SCCS 2019 - 2019 2nd Scientific Conference of Computer Sciences | 2019

40. **A Circular Patch Antenna Based Substrate Integrated Waveguide Technology for 5th Generation Systems**
(2018 Third Scientific Conference of Electrical Engineering (SCEE, 270 - 273, 2018 | 2018 | Cited: 1

41. **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

42. **Design of compact dual-mode fractal based microstrip band reject filter**
ARPN Journal of Engineering and Applied Sciences 13 (7), 2395-2399, 2018 | 2018 | Cited: 9

43. **A Circular Patch Antenna Based Substrate Integrated Waveguide Technology for 5th Generation Systems**
2018 3rd Scientific Conference of Electrical Engineering, SCEE 2018 | 2018 | Cited: 1

44. **A compact dual-band bpf based on open loop resonator for satellite communication applications**
Engineering and Technology Journal 36 (9), 997-1001, 2018 | 2018 | Cited: 2

45. **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: 4

46. **Design of compact dual-band fractal monopole antenna with virtually extended ground plane**
Advanced Electromagnetics 7 (4), 2018 | 2018 | Cited: 16

47. **Design of Fractal- Based Bandstop Filter for Microwave Radiation Leakage Reduction**
Engineering and Technology Journal | 2017 | Cited: 16

48. **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 ..., 2017 | 2017 | Cited: 11

49. **Compact Dual-mode Microstrip Band Reject Filters Based on Koch Fractal Geometry**
Progress In Electromagnetics Research Symposium, PIERS 2017, St Petersburg ..., 2017 | 2017 | Cited: 3

50. **A compact triple band BSF design based on Minkowski fractal Geometry**
2016 18th Mediterranean Electrotechnical Conference (MELECON), 1-5, 2016 | 2016 | Cited: 18

51. **Wunderlich Fractal-based Printed Dual-band Dipole Antenna for Wearable RFID Applications**
Technical Report MRG 4, 2016 | 2016 | Cited: 17

52. **A compact bandpass filter based on fractal defected ground structure Resonators**
Submitted to IETE Journal of Research, 2016 | 2016 | Cited: 5

53. **A dual-band bandpass filter using single unit cell of complementary split ring resonator with third harmonic reduction**
2016 Al-Sadeq International Conference on Multidisciplinary in IT and ..., 2016 | 2016 | Cited: 4

54. **A Fractal Based BSF for Microwave Oven Radiation Leakage Reduction**
2016

55. **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

56. **A Fractal-based Dual-mode Microstrip Bandstop Filter for Wireless Applications**
2016 16th Mediterranean Microwave Symposium (MMS), 1-4, 2016 | 2016 | Cited: 9

57. **A helical-shaped slot microstrip band pass filter based on SIW technology for WLAN and bluetooth applications**
2016 Al-Sadeq International Conference on Multidisciplinary in IT and ..., 2016 | 2016 | Cited: 8

58. **Extraction of dual-band antenna response from UWB based on current distribution analysis**
Technical Report, MRG 6--2016, Microwave Research Group, Department of ..., 2016 | 2016 | Cited: 10

59. **An Accurate Technique to Model the Substrate of Wearable Textile Antennas**
PIERS Proceedings, 2015 | 2015

60. **Design of Compact Dual-band Antenna for 4G LTE Wireless Devices**
Engineering and Technology Journal, 2015, University of Technology, Iraq, 2015 | 2015 | Cited: 1

61. **A Compact Dual-band Bandstop Filter Based on Fractal Microstrip Resonators**
Progress In Electromagnetics Research Symposium, PIERS 2015, 2015 | 2015 | Cited: 20

62. **Compact Substrate Integrated Waveguide BPF for Wideband Communication Applications**
Proceedings of Progress In Electromagnetics Research Symposium, 2015 | 2015 | Cited: 24

63. **A Dual-band Printed Slot Antenna Based on Modified Sierpinski Triangle**
International Journal of Electronics Communication and Computer Engineering ..., 2014 | 2014 | Cited: 6

64. **Fabrication and Performance Evaluation of a Fractal-based Slot Printed Antenna for Dual-band Wireless Applications**
Iraqi Journal of Computers, Communications, Control and Systems Engineering ..., 2014 | 2014 | Cited: 24

65. **Wearable Sierpinski Dragon Fractal Patch Antenna for RFID Applications**
International Conference on Engineering Sciences Applications, 2014 | 2014 | Cited: 2

66. **A Circular Cantor Fractal Based Printed Slot Antenna for Triple and Dual-band Wireless Applications**
International Journal of Electronics Communication and Computer Engineering ..., 2013 | 2013 | Cited: 6

67. **A compact Peano-type fractal based printed slot antenna for dual-band wireless applications**
2013 IEEE International RF and Microwave Conference (RFM 2013), Penang ..., 2013 | 2013 | Cited: 36

68. **A new compact slot antenna for dual-band WLAN applications**
International Journal of Science and Modern Engineering 1 (10), 28-32, 2013 | 2013 | Cited: 13

69. **A Compact Fractal Based Printed Monopole Antenna for WiBro, WiMax and UWB Applications**
International Journal of Engineering and Advanced Technology (IJEAT) 3 (1 ..., 2013 | 2013

70. **A fractal-based printed slot antenna for multi-band wireless applications**
Progress In Electromagnetics Research Symposium, Stockholm, Sweden, 1047 - 1051, 2013 | 2013 | Cited: 6

71. **An ultra-wideband printed monopole antenna with a fractal based reduced ground plane**
Progress In Electromagnetics Research Symposium, Moscow, Russia, 613 - 617, 2012 | 2012 | Cited: 16

72. **A New Tunable Dual-mode Bandpass Filter Design Based on Fractally Slotted Microstrip Patch Resonator**
Progress In Electromagnetics Research Symposium, KL, MALAYSIA, 1225 -1228, 2012 | 2012 | Cited: 8

73. **A New CPW-Fed C-slot Based Printed Antenna for Dual Band WLAN Applications**
Session 3P8, 741, 2012 | 2012

74. **A printed fractal based slot antenna for multi-band wireless communication applications**
Proceedings of Progress In Electromagnetics Research Symposium, Moscow, Russia, 2012 | 2012 | Cited: 33

75. **A new compact size fractal based microstrip slot antenna for GPS applications**
Conference: Progress In Electromagnetics Research Symposium, 2012 | 2012 | Cited: 28

76. **A New Fractal Based PIFA Antenna Design for MIMO Dual Band WLAN Applications**
Progress In Electromagnetics Research Symposium, KL, MALAYSIA, 1526 - 1530, 2012 | 2012 | Cited: 14

77. **Design of Internal Dual Band Printed Monopole Antenna Based on Peano-type Fractal Geometry for WLAN USB Dongle**
Progress In Electromagnetics Research Symposium, Suzhou, China, 1268 - 1272, 2011 | 2011 | Cited: 15

78. **Design and Fabrication of Band Pass Filter (BPF) Based on Substrate Integrated Waveguide (SIW) Technology for Communication Applications**
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79. **PIERS Proceedings**
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