Hussam H. Ali Al-Saedi

حسام حسين علي عبد السادة الساعدي

Lecturer

CONTACT

Phone: 07724900537

Email: hussam.h.ali@uotechnology.edu.iq

hussam.h.ali@uotechnology.edu.iq

RESEARCH METRICS

h-index (Scopus)	12
h-index (GS)	16
Citations (Scopus)	670
Citations (GS)	838
Documents (Scopus)	74
Documents (GS)	83

ACADEMIC TITLES

2019-01-15 **Lecturer**

PUBLICATIONS (97)

1. **High-Sensitivity SIW Sensor for Wide-Range Non-Invasive Blood Glucose Monitoring Using Complementary Split-Ring Resonator**
   Applied Biosciences 5 (1), 21, 2026 | 2026 | Cited: 1
2. **Development and experimental evaluation of single-port substrate integrated waveguide resonator with dual-parameter sensitivity for non-invasive blood glucose monitoring**
   Measurement, 121635, 2026 | 2026 | Cited: 1
3. **A Compact UWB-BPF Based on Modified Half-Mode Substrate Integrated Waveguide**
   Microwave and Optical Technology Letters 68 (5), 1-12, 2026 | 2026
4. **Half-mode substrate integrated waveguide band pass filter loaded with transversal and longitudinal-slots for ultra-wideband wireless applications**
   AIP Conference Proceedings 3350 (1), 080006, 2025 | 2025
5. **Ultra-Wideband Antenna Array for Modern Millimeter-Wave Wireless Applications**
   Journal of Engineering and Sustainable Development 29 (5), 573-581, 2025 | 2025 | Cited: 2
6. **Using a Half-mode SIW Loaded with Slots to Realize a Compact UWB Bandpass Filter**
   Journal of Telecommunications and Information Technology, 1-8, 2025 | 2025
7. **A dual-band BPF for low earth orbit satellite communication systems based on substrate integrated waveguide with wide-rejection band**
   AIP Conference Proceedings 3169 (1), 2025 | 2025
8. **Using a Half-mode SIW Loaded with Slots to Realize a Compact UWB Bandpass Filter, Journal of Telecommunications and Information Technology, 2025, nr 2**
   National Institute of Telecommunications, 2025 | 2025
9. **Ultra-wideband Antenna System Design for Future mmWave Applications, Journal of Telecommunications and Information Technology, 2025, nr 1**
   National Institute of Telecommunications, 2025 | 2025
10. **Using a Half-mode SIW Loaded with Slots to Realize a Compact UWB Bandpass Filter, Journal of Telecommunications and Information Technology, 2025, nr 2**
    National Institute of Telecommunications, 2025 | 2025
11. **Ultra-wideband Antenna System Design for Future mmWave Applications**
    Journal of Telecommunications and Information Technology, 2025 | 2025 | Cited: 9
12. **Compact Dual-Band BPF Based on Loaded SIW with Meandered Slot Line for 5G and Beyond Applications.**
    Progress In Electromagnetics Research M 128, 2024 | 2024 | Cited: 6
13. **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
14. **Standalone-Quad-Channels Diplexer for Modern Wireless Applications Based on Overlapped MOERRs**
    IEICE Electronics Express, 21.20240430, 2024 | 2024
15. **A Proximity-Fed Multi-Band Printed Antenna for Wireless Communication Applications**
    Progress in Electromagnetics Research C 145, 2024 | 2024 | Cited: 2

16. **Standalone-quad-channels diplexer for modern wireless applications based on overlapped MOERRs**
IEICE Electronics Express 21 (19), 20240430-20240430, 2024 | 2024 | Cited: 2

17. **A proximity-fed multi-band printed antenna for wireless communication applications**
Progress In Electromagnetics Research C 145, 153-165, 2024 | 2024 | Cited: 8

18. **5G Dual-Band BPF Bassed on Loaded SIW Resonator**
2023 International Conference on Engineering Applied and Nano Sciences ..., 2023 | 2023 | Cited: 1

19. **Design dual-layer metasurfaces antenna for wireless application**
AIP Conference Proceedings 2845 (1), 2023 | 2023

20. **Design dual-layer metasurfaces antenna for wireless application**
AIP conference proceedings 2845 (1), 070008, 2023 | 2023 | Cited: 3

21. **Design of high-selectivity compact quad-band BPF using multi-coupled line and short stub-sir resonators**
PIER C 122, 215-228, 2022 | 2022 | Cited: 3

22. **Design of a Compact and Highly Independent Triple- Band BPF for 5G Applications**
INTERNATIONAL JOURNAL OF MICROWAVE AND OPTICAL TECHNOLOGY 17 (5), 524-532, 2022 | 2022 | Cited: 4

23. **Design of High-Selectivity Compact Quad-Band BPF Using Multi-Coupled Line and Short Stub-SIR Resonators**
Prog. Electromagn. Res 122, 215-228, 2022 | 2022 | Cited: 2

24. **Compact Antenna Design for RFID and IoT Applications**
2022 2nd International Conference on Computing and Machine Intelligence ..., 2022 | 2022 | Cited: 13

25. **Extracting dualband antenna response from UWB based on current distribution analysis**
Periodicals of Engineering and Natural Sciences (PEN) 10 (2), 267-282, 2022 | 2022

26. **Dual-Fed C-DRA Loaded by Modified Circular Patch Antenna**
2022 Muthanna International Conference on Engineering Science and Technology ..., 2022 | 2022

27. **High Band Rejection Using a Dual-Mode Ring Resonator to Create a Dual-Band BPF for 5G and Wireless Applications**
4th International Conference on Communication Engineering and Computer ..., 2022 | 2022

28. **Design of bandpass filter for 5g applications with high-selectivity and wide band rejection**
2022 Muthanna International Conference on Engineering Science and Technology ..., 2022 | 2022 | Cited: 17

29. **A low-profile 2d passive phased-array antenna-in-package for emerging millimeter-wave applications**
IEEE Transactions on Antennas and Propagation 71 (1), 1093-1098, 2022 | 2022 | Cited: 38

30. **Design of high-selectivity compact quad-band BPF using multi-coupled line and short stub-sir resonators**
PIER C 122, 215, 2022 | 2022 | Cited: 3

31. **Design of high-selectivity compact quad-band BPF using multi-coupled line and short stub-sir resonators**
Progress In Electromagnetics Research C, 2022 | 2022 | Cited: 3

32. **CP Gain Enhancement of MM-Wave SIW-Integrated DRA Array Antenna**
2021 IEEE International Symposium on Antennas and Propagation and USNC-URSI ..., 2021 | 2021 | Cited: 3

33. **Ka-band circularly-polarized antenna array with wide gain and axial ratio bandwidth**
2021 15th European Conference on Antennas and Propagation (EuCAP), 1-5, 2021 | 2021 | Cited: 9

34. **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

35. **SIW Center-Fed Series Rectangular DRA Arrays**
2020 IEEE International Symposium on Antennas and Propagation and North ..., 2020 | 2020

36. **A compact size multiband printed monopole antenna with triple sense circular polarization for wireless applications**
2020 | Cited: 1

37. **A dual-band printed antenna design based on annular Koch snowflake slot structure**
Wireless Personal Communications 104 (2), 649-662, 2019 | 2019 | Cited: 33

38. **A modular architecture for wide scan angle phased array antenna for K/Ka mobile SATCOM**
2019 IEEE MTT-S International Microwave Symposium (IMS), 1076-1079, 2019 | 2019 | Cited: 72

39. **An Integrated Circularly Polarized Transmitter Active Phased-Array Antenna for Emerging Ka-Band Satellite Mobile Terminals**
IEEE Transactions on Antennas and Propagation 67 (8), 5344-5352, 2019 | 2019 | Cited: 72

40. **Low-cost planar RF MEMS-based attenuator**
2019 IEEE MTT-S International Microwave Symposium (IMS), 869-872, 2019 | 2019 | Cited: 16

41. **Affordable large scale active-phased array antenna for Ka-band mobile SATCOM applications**
2019 13th European Conference on Antennas and Propagation (EuCAP), 1-4, 2019 | 2019 | Cited: 10

42. **SIW-to-mini-coaxial vertical transition for low profile mm-wave PCB-to-PCB assembly**
2019 IEEE International Symposium on Antennas and Propagation and USNC-URSI ..., 2019 | 2019 | Cited: 5

43. **Efficient integration of scalable active‐phased array antenna based on modular approach for MM-wave applications**
Microwave and Optical Technology Letters 61 (5), 1333-1336, 2019 | 2019 | Cited: 3

44. **2019 Index IEEE Antennas and Wireless Propagation Letters Vol. 18**
IEEE Antennas and Wireless Propagation Letters 18 (12), 2019 | 2019

45. **Erratum to "An Integrated Circularly Polarized Transmitter Active Phased-Array Antenna for Emerging Ka-Band Satellite Mobile Terminals"**
IEEE Transactions on Antennas and Propagation 67 (10), 2019 | 2019 | Cited: 1

46. **An Integrated Circularly Polarized Transmitter Active Phased-Array Antenna for Emerging Ka-Band Satellite Mobile Terminals (vol 67, pg 5344, 2019)**
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION 67 (10), 6692-6692, 2019 | 2019 | Cited: 1

47. **2018 Index IEEE Antennas and Wireless Propagation Letters Vol. 17**
IEEE Antennas and Wireless Propagation Letters 17 (12), 1, 2018 | 2018

48. **A Broad-band Transition Between a Silicon Waveguide and a CPWG at W-band**
2018 18th International Symposium on Antenna Technology and Applied ..., 2018 | 2018

49. **A Compact SIC Magic-T for W-band Phased Array Applications**
2018 18th International Symposium on Antenna Technology and Applied ..., 2018 | 2018

50. **A low-cost wideband phase shifter for two-way mm-wave phased array antenna system**
International Journal of Microwave and Wireless Technologies 10 (1), 77-86, 2018 | 2018 | Cited: 11

51. **A modular architecture for low cost phased array antenna system for ka-band mobile satellite communication**
36th International Satellite Communications Systems Conference (ICSSC 2018), 2018 | 2018 | Cited: 4

52. **A Modular and Scalable Architecture for Millimeter-Wave Beam-forming Antenna Systems**
University of Waterloo, 2018 | 2018 | Cited: 1

53. **Broadband CP SIW-Integrated DRA Array with Wideband Axial-Ratio for Millimeter-Wave System Applications**
2018 18th International Symposium on Antenna Technology and Applied ..., 2018 | 2018 | Cited: 1

54. **60-GHz circularly polarized annular patch antenna fed by substrate integrated waveguide**
2018 18th International Symposium on Antenna Technology and Applied ..., 2018 | 2018 | Cited: 1

55. **A Silicon-Based Beam-Steering Tapered Antenna Array for W-Band Applications**
2018 IEEE International Symposium on Antennas and Propagation & USNC/URSI ..., 2018 | 2018

56. **A broadband RHCP/LHCP SIW-integrated patch array antenna for MM-wave applications**
2018 IEEE International Symposium on Antennas and Propagation & USNC/URSI ..., 2018 | 2018 | Cited: 2

57. **A modular architecture for low cost phased array antenna system for ka-band mobile satellite communication**
IET Digital Library, 2018 | 2018 | Cited: 3

58. **A ContinuousPhase Shifter for Ka-Band Applications**
2018 48th European Microwave Conference (EuMC), 1025-1028, 2018 | 2018 | Cited: 7

59. **An ultra-wideband modified aperture-coupled millimeter-wave reflectarray antenna**
2018 IEEE International Symposium on Antennas and Propagation & USNC/URSI ..., 2018 | 2018 | Cited: 5

60. **A metal-only reflectarray antenna element with wide angular response based on spiral slots**
2018 IEEE International Symposium on Antennas and Propagation & USNC/URSI ..., 2018 | 2018 | Cited: 5

61. **Single-feed Dual-band Aperture-coupled Antenna for 5G applications**
2018 18th International Symposium on Antenna Technology and Applied ..., 2018 | 2018 | Cited: 22

62. **Active phased-array antennas for Ka/K mobile satellite communications**
2018 18th International Symposium on Antenna Technology and Applied ..., 2018 | 2018 | Cited: 13

63. **Investigation of active load pulling effect on radiated power of the antenna elements in a finite phased array transmitter for satellite communication**
2018 IEEE International Symposium on Antennas and Propagation & USNC/URSI ..., 2018 | 2018 | Cited: 13

64. **A Low-Cost Ka-Band Circularly Polarized Passive Phased-Array Antenna for Mobile Satellite Applications**
IEEE Transactions on Antennas and Propagation 67 (1), 221-231, 2018 | 2018 | Cited: 70

65. **Ka-band antenna with high circular polarization purity and wide AR beamwidth**
IEEE Antennas and Wireless Propagation Letters 17 (9), 1697-1701, 2018 | 2018 | Cited: 62

66. **SIW-integrated parasitic DRA array: Analysis, design, and measurement**
IEEE Antennas and Wireless Propagation Letters 18 (1), 69-73, 2018 | 2018 | Cited: 31

67. **New compact microstrip filters based on quasi fractal resonator**
Advanced Electromagnetics 7 (4), 93-102, 2018 | 2018 | Cited: 41

68. **An Ultra-Wideband Metal-Only Dipole Reflectarray Antenna**
2018 18th International Symposium on Antenna Technology and Applied ..., 2018 | 2018

69. **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

70. **A wide axial ratio beamwidth circularly polarized antenna for Ka-band satellite on the move (SOTM) phased array applications**
2017 IEEE International Symposium on Antennas and Propagation & USNC/URSI ..., 2017 | 2017 | Cited: 11

71. **E-plane RWG-to-SIW Transition Power Splitter for Ka-Band SATCOM Application**
2017 IEEE International Symposium on Antennas and Propagation & USNC/URSI ..., 2017 | 2017 | Cited: 5

72. **3 D printed RWG with slot‐transition for low cost millimeter‐wave applications: Simulation and measurement**
Microwave and Optical Technology Letters 59 (9), 2381-2384, 2017 | 2017 | Cited: 1

73. **A broadband siw-integrated circular polarized antenna**
2017 IEEE International Symposium on Antennas and Propagation & USNC/URSI ..., 2017 | 2017 | Cited: 2

74. **RWG‐integrated SIW splitter for large scale SATCOM phased array applications**
Microwave and Optical Technology Letters 59 (10), 2675-2680, 2017 | 2017

75. **Space division multiplexing using disordered optical antennas**
2017 IEEE International Symposium on Antennas and Propagation & USNC/URSI ..., 2017 | 2017

76. **DRA array fed by folded SIW feeding network**
2016 IEEE International Symposium on Antennas and Propagation (APSURSI), 143-144, 2016 | 2016

77. **SIW series-fed patch antenna array based on transverse slot excitation for millimeter wave (MMW) applications**
2016 IEEE International Symposium on Antennas and Propagation (APSURSI ..., 2016 | 2016 | Cited: 8

78. **SIW-integrated patch antenna backed air-filled cavity for 5G MMW appilcations**
2016 IEEE International Symposium on Antennas and Propagation (APSURSI ..., 2016 | 2016 | Cited: 5

79. **Miniaturized siw‐integrated 2D DRA array for 5G MMW applications**
Microwave and Optical Technology Letters 58 (12), 2804-2807, 2016 | 2016 | Cited: 6

80. **Design and analysis of reconfigurable reflectarray antennas for Ka-band satellite communications on the move**
2016 17th International Symposium on Antenna Technology and Applied ..., 2016 | 2016 | Cited: 4

81. **E‐plane metallic RWG‐to‐SIW transition for large‐scale MM‐wave phased array antenna applications**
Electronics Letters 52 (17), 1465-1467, 2016 | 2016 | Cited: 11

82. **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: 8

83. **Wunderlich fractal-based printed dual-band dipole antenna for wearable RFID applications**
Technical Report MRG 4, 2016 | 2016 | Cited: 2

84. **A dual circularly polarized patch antenna for broadband millimeter wave (MMW) communication systems**
2016 IEEE International Symposium on Antennas and Propagation (APSURSI), 593-594, 2016 | 2016 | Cited: 28

85. **Wunderlich fractal-based printed dual-band dipole antenna for wearable RFID applications**
Technical Report MRG 4, 2016 | 2016 | Cited: 16

86. **A 4× 4 circularly polarized aperture coupled antenna array for Ka-band satellite communication**
2015 IEEE International Symposium on Antennas and Propagation & USNC/URSI ..., 2015 | 2015 | Cited: 9

87. **Circularly polarized SIW-integrated DRA for low cost millimeter wave systems**
Global Symposium on Millimeter-Waves (GSMM), 1-3, 2015 | 2015 | Cited: 11

88. **A multilayer SIW-CPW transition junction for efficient MM-wave phased array applications**
2015 IEEE International Symposium on Antennas and Propagation & USNC/URSI ..., 2015 | 2015

89. **An ultra-wideband printed monopole antenna with a fractal based reduced ground plane**
Progress In Electromagnetics Research 613, 2012 | 2012 | Cited: 15

90. **Second harmonic reduction of miniaturized dual-mode microstrip bandpass filters using fractal shaped open stub resonators**
Progress In Electromagnetics Research Symposium, Kuala Lumpur, Malaysia, 2012 | 2012 | Cited: 16

91. **A New CPW-Fed C-slot Based Printed Antenna for Dual Band WLAN Applications**
Progress In Electromagnetics Research 1541, 2012 | 2012

92. **A Peano fractal-based dual-mode microstrip bandpass filters for wireless communication systems**
Proceedings of Progress in Electromagnetics Research Symposium, PIERS, 2012 | 2012 | Cited: 40

93. **A new tunable dual-mode bandpass filter design based on fractally slotted microstrip patch resonator**
Progress In Electromagnetics Research Symposium, Kuala Lumpur, Malaysia, 2012 | 2012 | Cited: 8

94. **An ultra-wideband printed monopole antenna with a fractal based reduced ground plane**
Proceedings of Progress In Electromagnetics Research Symposium, 2012 | 2012 | Cited: 15

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

96. **Enhanced Gain Ultra-Wideband Antenna with Different Notch Response**
0

97. **Compact Dual-Band BPF Based on Loaded SIW with Meandered Slot Line for 5G and Beyond Applications**
0