



Curriculum Vitae

Adheed Hasan Salloomi

Mustansiriyah University – College of Engineering

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Email: _adalameed@yahoo.com

PERSONAL SUMMARY:

- Prof Doctor in Electrical Engineering Department

EDUCATION:

- Ph.D. #1: University of Technology
- M.Sc. #2: University of Technology
- B.Sc. #3: University of Mosul

ACADEMIC HONORS AND AWARDS:

- #1:
- #2:

ACADEMIC /TEACHING EXPERIENCE:

- #1: Lecturer in many colleges for more than 15 years
- #2: Lecturer in technical college-Musayab

COURSES TAUGHT:

الدراسات الأولية	الدراسات العليا
Mathematics	Antennas & propagation
Antennas	Mobile Communications
Linear Algebra	Satellite Communications
Basics of Electrical Engineering	

PROFESSIONAL AFFILIATIONS:

- Chairman, Diversity Committee
- President,

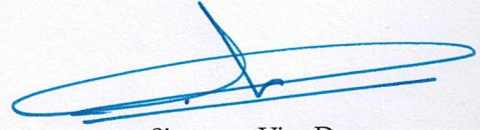
PUBLICATIONS:

- Papers. About 60 papers
- 4 Books.

PROFESSIONAL DEVELOPMENT

- Certifications.
- Conferences. Many conference papers
- Workshops. Lectures in Iraqi Engineers Committee

Signature Head of Department



Signature Vice Dean

الأستاذ المساعد الدكتور
عبدالحسين محمد عبد الجبار
تعاون العميد للشؤون العامة

Published Papers:

1. **Safe Time of GSM Mobile Phone Usage,**(Wassit Journal for Science and Medicine), Vol. 10 , No. 1 , 2017.
2. **Linear Adaptive Antenna Array Geometry Effects on Radiation Pattern.** IRAQI JOURNAL OF APPLIED PHYSICS LETTERS, Vol. 3 , No. 1 , 2010.
3. **A Theoretical Approach for SAR Calculation in Human Head Exposed to RF Signals.** JOURNAL OF Engineering and Development, Vol. 16, No. 4 , Dec. 2012.
4. **Range-Coverage Extension Using Smart Antennas in Mobile Communications Systems.** IRAQI JOURNAL OF APPLIED PHYSICS, Vol.5,No.2, 2009).
5. **Cellular Mobile Base Station Radiation at Baghdad,** .JOURNAL OF Madenet Alelem College, Vol. 4 , No.2, 2012.
6. **FACTORS CONTROLLING MIMO CHANNELS CAPACITY.** JOURNAL OF Engineering and Development, Vol. 17 , No. 1 , 2013)
7. **Safety Distance and Power Density Calculations for GSM communication Systems.** (JOURNAL OF Engineering and Development, Vol. 15 , No. 2 , 2011).
8. **Adaptive Antenna Capability in Cellular Communication Performance Improvement.** (JOURNAL OF Engineering and Technology, Vol. 33 , No. 3 , 2015).
9. **ESTIMATION OF EXPOSURE TO GSM CELLULAR BASE STATIONS RADIATIONS.** (International Conference of Engineering, College of Engineering, Al-Mustansyriya Univ. 2014).
10. **COMPACT OPEN-ENDED CURVE-SHAPED SLOT ANTENNA FOR UWB APPLICATIONS.** Diyala Journal for Engineering Sciences , Vol. 8 , No. 2 , 2015.
11. **SMART ANTENNA ADAPTIVE BEAM FORMING BASE ON NEURAL NETWORK WITH DIFFERENT TRAINING ALGORITHMS,** JOURNAL OF Engineering and Development, Vol. 20 , No. 3 , 2015.
12. **Multi-Layer Feed Forward Neural Network Application In Adaptive Beam-forming Of Smart Antenna System,** IEEE & Al-Sadeq International Conference on Multidisciplinary in IT and Communication Science and Applications IRAQ (9-10) May, 2016.

13. **Elman Recurrent Neural Network Application in Adaptive Beam-forming of Smart Antenna System**, International Journal of Computer Applications, Volume 129 – No.11, November,2015.
14. **Evaluation of SAR with modeling generic phone and hand in human head using FDTD in SEMCAD-X program**, JOURNAL OF Engineering and Development, **Accepted** letter 9179 , 19/12/ 2016).
15. **Cellular Networks Pollution Reduction**, Al-Kitab Journal for pure Science, Vol.2 (2), PP. 62-70 , 2018.
16. **Environmental Pollution Of Cellular Mobile Base Station In Populated Areas**, Al-Kitab Journal for pure Science, Vol.2 (2), PP. 71-83, 2018.
17. A beamforming comparative study of least mean square, genetic algorithm and grey wolf optimization algorithms for multipath smart antenna system, TELKOMNIKA 18 (6), 2020.
18. Study and Comparison of Channel Simulation Models for 5G Applications, Journal of Engineering and applied science , Special issue (6),PP.9405-9413, 2019.
19. Investigation of the Effect Different Antenna parameters (Height, Tilt, and Power) on Network Coverage and System Capacity, American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS), Volume 56, No 1, pp 74-85, 2019.
20. A beamforming comparative study of least mean square, genetic algorithm and grey wolf optimization algorithms for multipath smart antenna system, TELKOMNIKA Telecommunication, Computing, Electronics and Control Vol. 18, No. 6, pp. 2911-2920, December 2020.
21. Optimisation of Adaptive Antenna Array Performance Using Particle Swarm Algorithm, IEEE Xplore. First International Conference of Computer and Applied Sciences (CAS), Mustansiriyah University, Education College, Computer Science Department, Baghdad, Iraq,2019, pp137-142.
22. PERFORMANCE IMPROVEMENT FOR SMART ANTENNA SYSTEM LEAST SQUARE BEAMFORMING ALGORITHMS, Journal of Engineering and Sustainable Development, First Online Scientific Conference for Graduate Engineering Students June 2020.
23. A DUAL PORT SPATIALLY DIVERSE ANTENNA SYSTEM FOR COGNITIVE RADIO APPLICATIONS, Journal of Engineering and Sustainable Development, First Online Scientific Conference for Graduate Engineering Students June 2020.
24. DESIGN DUAL UWB RECTANGULAR MICROSTRIP ANTENNA FOR WIRELESS COMMUNICATIONS, Journal of Engineering and Sustainable Development, First Online Scientific Conference for Graduate Engineering Students June 2020.

25. STUDY AND ANALYSIS OF INTRA-CELL INTERFERENCE AND INTER-CELL INTERFERENCE FOR 5G NETWORK, Journal of Engineering and Sustainable Development Vol. 24, No.03, May 2020, pp 43-57.
26. Planning and Optimization of 5G mobile network for Al-Najaf city (phase I), Fifth International Engineering Conference on Developments in Civil & Computer Engineering Applications 2019 - (IEC2019) - Erbil – IRAQ, IEEE.
27. Analysis of Interference and Signal Quality in Cellular Wireless Networks, 3rd International Conference on Sustainable Engineering Techniques (ICSET 2020).
28. Photonic Antenna Design for Long Term Evolution Application, 3rd International Conference on Sustainable Engineering Techniques (ICSET 2020).
29. Interference and Signal Quality Analysis of Cellular Wireless Networks, Journal of Engineering and applied science, Vol.13, No. 18, PP.7677-7682, 2018.
30. Calculated and Measured Values of RF Pollution Level of Cellular Base Stations Radiation in Iraq, Jour of Adv Research in Dynamical & Control Systems, Vol. 10, 06-Special Issue, 2018
31. SAR AND THERMAL EFFECT PREDICTION IN HUMAN HEAD EXPOSED TO CELL PHONE RADIATIONS, Science International, Vol.30, No.4), pp 653-656,2018.
32. POWER CONSUMPTION IMPROVEMENT FOR GREEN CELLULAR MOBILE COMMUNICATIONS, Journal of Engineering and Sustainable Development Vol. 22, No.02 (Part-5), March 2018, The Fourth Scientific Engineering and First Sustainable Engineering Conference
33. Proposed Model for Interference Estimation in Code Division Multiple Access, TELKOMNIKA Telecommunication, Computing, Electronics and Control Vol. 13, No. 2, pp. 125-132, December 2018.
34. Bi-Layer, Broadband , Sub-Wavelength Reflectarray, Journal of Engineering and applied science , Vol.13, No. 20, PP.8662-8665, 2018.
35. A Novel Theoretical Model for Cellular Base Station Radiation Prediction, International Journal of Simulation: Systems, Science & Technology, Vol. 19, No.6, 2019.
36. Enhancement signal detection in underwater acoustic noise using level dependent estimation time-frequency de-noising technique, JOURNAL OF MARINE ENGINEERING & TECHNOLOGY, 2018.

37. Specific absorption rate and thermal distribution in human brain exposed to cell phone radiations, The Fourth Scientific Conference for Electrical Engineering Techniques Research (EETR2022)

~~أ.م.د. ياسين يوسف محمد~~
رئيس قسم الهندسة الكهربائية
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السيرة الذاتية

عضيد حسن سلومي

الجامعة المستنصرية - كلية الهندسة

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Email: adalameed@yahoo.com



ملخص تعريفي:

- استاذ دكتور في قسم للهندسة الكهربائية

الشهادات الدراسية:

- Ph.D. #1: الجامعة التكنولوجية -العراق
- M.Sc. #2: الجامعة التكنولوجية- العراق
- B.Sc. #3: جامعة الموصل- العراق

الجوائز والتكريم الأكاديمي

- #1:
- #2:

الخبرة الأكاديمية والتدريس:

- #1: مدرس لاكثر من 15 عاما في جامعات حكومية وكليات اهلية للدراسات العليا والاولية
- #2: محاضر لمدة خمس سنوات في الكلية التقنية- المسيب

المقررات الدراسية التي تم تدريسها:

الدراسات الأولية	الدراسات العليا
Mathematics Antennas Linear Algebra Basics of Electrical Engineering	Antennas & propagation Mobile Communications Satellite Communications

الأنساب المهني او الجمعيات:


- عضو نقابة المهندسين العراقيين

المنشورات العلمية

- بحوث علمية: أكثر من 60 بحث منشور كما في القائمة المرفقة
- كتب مؤلفة: 4 كتب مؤلفة في مجال الاتصالات
- دراسة مقدمة لوزارة البيئة حول تأثيرات ابراج الهاتف النقال في الصحة والبيئة

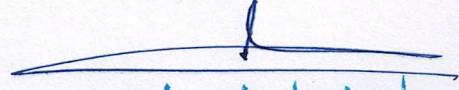
تطوير المهارات:

- مشاركة بعدد من المؤتمرات العلمية والورش والدورات في التعليم المستمر والقاء عدد من المحاضرات في جمعية المهندسين ونقابة المهندسين.



توقيع معاون العميد

الأستاذ المساعد الدكتور
عبد المجيد محمد العبد
معاون العميد للشؤون العامة



توقيع رئيس القسم محمد
رئيس قسم الهندسة الكهربائية
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Published Papers:

1. **Safe Time of GSM Mobile Phone Usage,**(Wassit Journal for Science and Medicine), Vol. 10 , No. 1 , 2017.
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