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EDUCATION

(23-01-2017) دكتوراه
the language
Wasit

RESEARCH METRICS

h-index (Scopus)	0
h-index (GS)	15
Citations (Scopus)	0
Citations (GS)	777
Documents (Scopus)	0
Documents (GS)	36

RESEARCH INTERESTS

- Linguistic Inquiries in Quranic Exegesis
- Linguistic Issues

Jasim Mohammed musa

جاسم محمد موسى الطعان

Professor

ACADEMIC TITLES

2025-10-19 **Professor**

TEACHING EXPERIENCE

Faculty member / Lecturer / Instructor
College of Basic Education
2009-07 - Present

COURSES

- **Grammar**
- **Grammar**

GRADUATE SUPERVISION

Grammatical Rationales in the Commentaries on *Al-I'rāb 'an Qawā'id al-I'rāb* by Ibn Hishām al-Anṣārī (d. 761 AH): Al-Kāfījī (d. 879 AH), Khālid al-Azharī (d. 905 AH), and Al-Qūjawī (d. 950 AH).
Murtada Adnan Ayed (2027)

PUBLICATIONS (36)

1. **Auto-PPA: An Adaptive Deep RL Agent for VLSI Physical Design Optimization**
   Journal of VLSI Circuits and Systems 8 (1), 9-19, 2026 | 2026 | Cited: 2
2. **Thermal-Aware Particle Swarm Optimization for UAV Medical Delivery Route Planning in Hot-Climate Urban Environments**
   Wasit Journal of Engineering Sciences 14 (3), 138-157, 2026 | 2026
3. **Detection of unauthorized devices for exams based on arduino and high-gain antenna**
   AIP Conference Proceedings 3408 (1), 2026 | 2026
4. **AI-Optimized Wake-Up Radio Systems for 6G IoT**
   Al-Nahrain Journal for Engineering Sciences 29 (2), 260-272, 2026 | 2026
5. **AI-Based Model for Home Waste Separation Using Raspberry Pi 5 AI Kit**
   Physics and Chemistry of Solid State 27 (1), 44-51, 2026 | 2026 | Cited: 2
6. **Enhancing Cybersecurity in Cyber-Physical Systems: an Explainable AI Approach for Intrusion Detection**
   2025 5th International Conference on Emerging Smart Technologies and ..., 2025 | 2025 | Cited: 15
7. **AI-based monkeypox detection model using Raspberry Pi 5 AI Kit**
   Sustainable Engineering and Innovation 7 (1), 1-14, 2025 | 2025 | Cited: 14
8. **Using artificial intelligence for enhancement of solar cell efficiency in the south of Iraq**
   2025 | Cited: 4
9. **Developing an advanced framework to recognize suspicious vehicles based on the Internet of Things applications using LOGO Net environment**
   Journal of Internet Services and Information Security 15 (2), 610-621, 2025 | 2025 | Cited: 1

10. **A Two-Phase Clustering Framework for Adaptive Load Balancing in Vehicular Networks using OPTICS and K-Medoid algorithms**
National Journal of Antennas and Propagation 7 (2), 175-186, 2025 | 2025

11. **AI-Based Arabic Sign Language to Voice Translation System**
Proceedings of the International Conference on Applied Innovations in IT ..., 2025 | 2025

12. **Investigation of AI with OpenCV-Python for Detecting Diabetes**
Conference of Recent Trends and Applications of Soft Computing in ..., 2025 | 2025 | Cited: 4

13. **Investigation of the Internet of Things to Track the Distribution Temperature of Transformers with Accounting Residential Loads**
https://link.springer.com/book/10.1007/978-3-031-82881-2, 2025 | 2025

14. **Optimizing energy and QoS in VANETs through approximate computation on heterogeneous MPSoC**
2024 4th International Conference on Emerging Smart Technologies and ..., 2024 | 2024 | Cited: 19

15. **A Comprehensive Review of Routing in 4G/5G Cellular Networks: Challenges, Trends, and Future Directions**
Journal of Al-Qadisiyah for Computer Science and Mathematics 16 (4), 215–230 ..., 2024 | 2024

16. **Using a chaotic digital system to generate random numbers for secure communication on 5G networks**
Engineering, Technology & Applied Science Research 14 (2), 13598-13603, 2024 | 2024 | Cited: 14

17. **Transformer-based automatic Arabic text diacritization**
Sustainable Engineering and Innovation 6 (2), 285-296, 2024 | 2024 | Cited: 9

18. **Dark web illegal activities crawling and classifying using data mining techniques**
iJIM 16 (10), 123, 2022 | 2022 | Cited: 78

19. **Artificial Bee Colony with Crossover Operations for Discrete Problems**
Engineering, Technology & Applied Science Research 12 (6), 9510-9514, 2022 | 2022 | Cited: 9

20. **Increased Efficiency of the Artificial Bee Colony Algorithm Using the Pheromone Technique**
Engineering, Technology & Applied Science Research 12 (6), 9732-9736, 2022 | 2022 | Cited: 4

21. **Encryption of Color Image Based on DNA Strand and Exponential Factor**
International journal of online and biomedical engineering | 2022 | Cited: 48

22. **Face patterns analysis and recognition system based on quantum neural network QNN**
iJIM 16 (08), 35, 2022 | 2022 | Cited: 56

23. **DR-LL Gan: diabetic retinopathy lesions synthesis using generative adversarial network**
International Journal of Online and Biomedical Engineering (iJOE), 2022 | 2022 | Cited: 44

24. **Automated cheating detection based on video surveillance in the examination classes**
iJIM 16 (08), 125, 2022 | 2022 | Cited: 36

25. **Systematic review of enhancement of artificial bee colony algorithm using ant colony pheromone**
International Journal of Interactive Mobile Technologies 15 (16), 173, 2021 | 2021 | Cited: 28

26. **Design and implementation of a smart traffic light management system controlled wirelessly by arduino**
International Association of Online Engineering, 2020 | 2020 | Cited: 40

27. **The application of wireless communication in IOT for saving electrical energy**
International Journal of Interactive Mobile Technologies | 2020 | Cited: 64

28. **Using modern education technique in Wasit university**
International Association of Online Engineering, 2020 | 2020 | Cited: 78

29. **Analysis the Efficient Energy Prediction for 5G Wireless Communication Technologies.**
Int. J. Emerg. Technol. Learn. 14 (8), 23-37, 2019 | 2019 | Cited: 81

30. **A predictive model for liver disease progression based on logistic regression algorithm**
Periodicals of Engineering and Natural Sciences 7 (3), 2019 | 2019 | Cited: 52

31. **Improvement the Route Discovery Mechanism of Dynamic Source Routing Protocol in MANET**
International Conference on Distributed Computing and High Performance ..., 2018 | 2018 | Cited: 16

32. **Distributed hybrid method to solve multiple traveling salesman problems**
2018 International Conference on Advance of Sustainable Engineering and its ..., 2018 | 2018 | Cited: 19

33. **FTJJ o**
AR i. D. Abed, and C. Systems," Attendance System Design And Implementation ..., 2018 | 2018 | Cited: 7

34. **Attendance System Design And Implementation Based On Radio Frequency Identification (RFID) And Arduino**
Journal of Advanced Research in Dynamical Control Systems 10 (4), 1342-1347, 2018 | 2018 | Cited: 41

35. **Plate Detection and Recognition of Iraqi License Plate Using KNN Algorithm**
Journal of Education College Wasit University 1 (26), 449-460, 2017 | 2017 | Cited: 7

36. **Enhanced a TCP security protocol by using optional fields in TCP header**

Journal of Education College Wasit University 1 (24), 485-502, 2016 | 2016 | Cited: 5