



Ban Hassan Majeed Muhi AlDeen Alsalihi

بان حسن مجيد محي الدين الصالحي

Associate Professor

PROFILE

I am an assistant professor and one of the faculty members in the Computer Science Department, College of Education for Pure Science (Ibn Al-Haitham), at the University of Baghdad, Baghdad, Iraq. Most of my research interests are in mathematics education, educational technology, multiple intelligences in teaching and learning, thinking within in types and its skills, and modern teaching strategies needed in a technology-driven world. Instructional techniques; technological innovations; applications of AI in education such as deep learning and augmented reality; and finally, ICT in education such as digital education, smart learning, Google Classroom, Moodle, digital educational content, and Edmodo. Hold an international assessor-certified Publons and academy peer reviewer. Currently a member of the editorial board in the peer review process for several international journals. Also, I hold a Training Of Trainers (TOT). I have a certificate in designing digital educational content.

ACADEMIC TITLES

2021-07-25 Associate Professor

GRADUATE SUPERVISION

(2023)

(2023)

(2025)

PUBLICATIONS (53)

- Generative AI Effects on Academic Achievement and Sustainable Professional Development: A Quasi-Experimental Comparative Study in Chemistry and Mathematics**
International Journal of Engineering Pedagogy 16 (3), 86-96, 2026 | 2026
- Effect of an Intelligent Educational Program Based on the Four Pillars Strategy on Mathematics Achievement and Productive Disposition among Middle School Students**
AIP Conference Proceedings, 2026 | 2026
- Descriptive correlational study: Strategic thinking with coursera platform for educators and students' achievement in mathematics**
AIP Conference Proceedings 3441 (1), 060012, 2026 | 2026
- The Impact of Intelligent Adaptive Learning on Flexible Thinking and Academic Achievement for Undergraduate Students**
International Journal of Engineering Pedagogy 16 (2), 55-68, 2026 | 2026 | Cited: 1
- Design of a Hybrid AI-Driven Engineering Model for Energy-Efficient and Sustainable Educational Systems**
International Journal of Engineering Pedagogy (ijEP) | 2026 | Cited: 1

CONTACT

Phone: 07702742023
Email: ban.h.m@ihcoedu.uobaghdad.edu.iq
ban.h.m@ihcoedu.uobaghdad.edu.iq

EDUCATION

بكلوريوس (28-06-1994)

Mathematics
Mustansiriyah

ماجستير (24-11-2014)

Mathematics Education
Baghdad

RESEARCH METRICS

h-index (Scopus)	13
h-index (GS)	21
Citations (Scopus)	485
Citations (GS)	1247
Documents (Scopus)	23
Documents (GS)	49

RESEARCH INTERESTS

• Mathematics, Mathematics Education, AI in Education



6. **Evaluating the Content of the Computer Textbook for the Fourth Preparatory Class According to Critical Thinking Skills and the Extent to which Students Acquire them**
Journal of Educational and Psychological Researches/ University of Baghdad | 2026
7. **Investigating the Relationship between High School Mathematics Educators' Mental Mathematical Representations and Their Students' Achievement**
Journal of Educational and Psychological Sciences, 2025 | 2025
8. **Digital Intelligence for University Students Using Artificial Intelligence Techniques**
International Journal of Computing and Digital Systems 17 (1), 1-10, 2025 | 2025 | Cited: 16
9. **Utilizing Machine Learning Techniques to Predict University Students' Digital Competence**
International Journal of Engineering Pedagogy 15 (3), 75–91, 2025 | 2025 | Cited: 13
10. **تقويم محتوى كتاب الحاسوب للصف الرابع الإعدادي وفق مهارات التفكير الناقد ومدى اكتساب الطلبة لها**
Journal Of Educational and Psychological Researches 22 (85), 379-411, 2025 | 2025
11. **The Impact of Artificial Intelligence on Computational Thinking in Education at University**
International Journal of Engineering Pedagogy (ijEP) | 2024 | Cited: 35
12. **Information and Communication Technology and its Impact on Improving the Quality of Engineering Education Systems**
International Journal of Engineering Pedagogy (ijEP) | 2024 | Cited: 21
13. **The Impact of Virtual Trips on Lateral Thinking and Middle School Student's Achievement**
International Education and Culture Studies (IECS) 4 (4), 1-10, 2024 | 2024
14. **The Impact of Two Proposed Strategies Based on Active Learning on Students' Achievement at the Computer and Their Social Intelligence**
International Journal of Engineering Pedagogy (ijEP) | 2024 | Cited: 12
15. **Digital citizenship for faculty of Iraqi universities**
Periodicals of Engineering and Natural Sciences 11 (2), 263-274, 2023 | 2023 | Cited: 26
16. **The Effect of Cognitive Modeling in Mathematics Achievement and Creative Intelligence for High School Students**
International Journal of Emerging Technologies in Learning | 2023 | Cited: 19
17. **The Impact of a Scenario-Based Learning Model in Mathematics Achievement and Mental Motivation for High School Students**
International Journal of Emerging Technologies in Learning | 2023 | Cited: 21
18. **Impact of Deep Learning Strategy in Mathematics Achievement and Practical Intelligence among High School Students**
International Journal of Emerging Technologies in Learning (Online) 18 (06 ...), 2023 | 2023 | Cited: 45
19. **Computer Literacy with Skills of Seeking for Information Electronically among University Students**
International Journal of Interactive Mobile Technologies (ijIM) 17 (07), 47-57, 2023 | 2023 | Cited: 12
20. **Cognitive Agility For fifth Class Students in Mathematics.**
The Third International Conference for Humanities and Social Sciences, 247, 2023 | 2023
21. **Efficiency of Cognitive Representation of Fifth Class Students in Mathematics**
The Third International Scientific Conference for Humanities and Social ... 2023 | 2023
22. **التفكير الشمولي لدى طالبات الصف الخامس العلمي في مادة الرياضيات**
Journal of Al-Qadisiya in Arts and Educational Sciences, 113-119, 2023 | 2023
23. **التفكير التقويي لدى طالبات الصف الخامس العلمي في مادة الرياضيات**
Journal of Al-Qadisiya in Arts and Educational Sciences, 301-308, 2023 | 2023
24. **Enhancement the Educational Technology by Using 5G Networks**
International Journal of Emerging Technologies in Learning (ijET) 18 (01), 2023 | 2023 | Cited: 74
25. **Effect of augmented reality technology on spatial intelligence among high school students**
International Journal of Emerging Technologies in Learning (ijET) 17 (24 ...), 2022 | 2022 | Cited: 75
26. **Computational Thinking (CT) Among University Students**
International Journal of Interactive Mobile Technologies (ijIM) | 2022 | Cited: 64
27. **Smart learning based on Moodle E-learning platform and digital skills for University students**
International Journal of Recent Contributions from Engineering, Science & IT ... 2022 | 2022 | Cited: 74

28. **The Impact of Educational Curricula On Promoting Sustainable Development**
Nasaq 36 (1), 1597-1623, 2022 | 2022
29. **Impact of a Proposed Strategy according to Progressive Inquiry Model in the Mathematically Excellence Skills of third-class intermediate students**
The Second International Conference for Humanities and Social Sciences, 18-26, 2022 | 2022
30. **A Future Vision of Mathematics Teacher Preparation Program at the Universities**
International Education and Culture Studies (IECS) 2 (1), 1-12, 2022 | 2022 | Cited: 16
31. **Cognitive load of university students and its relationship to their academic achievement**
Texas Journal of Philology, Culture and History 3, 1-13, 2022 | 2022 | Cited: 22
32. **Impact of a Proposed Strategy According to Luria's Model in Realistic Thinking and Achievement in Mathematics**
International Journal of Emerging Technologies in Learning | 2022 | Cited: 24
33. **The skill of making a decision and its relationship with academic achievement among students**
International Journal of Recent Contributions from Engineering Science & IT ..., 2021 | 2021 | Cited: 31
34. **The Impact of Teaching by Using STEM Approach in The Development of Creative Thinking and Mathematical Achievement Among the Students of The Fourth Scientific Class**
International Journal of Interactive Mobile Technologies | 2021 | Cited: 173
35. **Impact of ASSURE Model on Mathematical Correlation and Achievement in Mathematics**
European Journal of Humanities and Educational Advancements (EJHEA) 2 (11 ..., 2021 | 2021 | Cited: 21
36. **The Impact Of Reflexive Learning Strategy On Mathematics Achievement By First Intermediate Class Students And Their Attitudes Towards E-Learning**
Turkish Journal of Computer and Mathematics Education (TURCOMAT) 12 (7 ..., 2021 | 2021 | Cited: 36
37. **Tactical thinking and its relationship with solving mathematical problems among mathematics department students**
International Journal of Emerging Technologies in Learning (ijET) 16 (9 ..., 2021 | 2021 | Cited: 103
38. **The impact of CATs on mathematical thinking and logical thinking among fourth-class scientific students**
International Journal of Emerging Technologies in Learning 16 (10), 194-211, 2021 | 2021 | Cited: 93
39. **Mathematical Ability and its Relationship to Academic Resilience among secondary school students**
The 3rd International Research Conference on Social Sciences & Humanities ..., 2021 | 2021
40. **The Skill of Making a Decision and its Relationship of Academic Achievement Among Students**
International Journal of Recent Contributions from Engineering, Science & IT (ijES) | 2021
41. **The Effectiveness of Educational Pillars Based on Vygotsky's Theory in Achievement and Information Processing Among First Intermediate Class Students**
International Journal of Emerging Technologies in Learning | 2021 | Cited: 62
42. **TH. Salim; Al-Malah, D. Kh.; Majeed, BH (2021). The influence E-Learning platforms of Undergraduate Education in Iraq**
International Journal of Recent Contributions from Engineering, Science & IT ..., 2021 | 2021 | Cited: 41
43. **The Relationship Between Conceptual Knowledge and Procedural Knowledge among Students of the Mathematics Department at the Faculty of Education for Pure Science/ Ibn Al-Haitham ...**
International Journal of Innovation, Creativity and Change (IJICC) 12 (4 ..., 2020 | 2020 | Cited: 39
44. **The relationship between conceptual knowledge and procedural knowledge among students of the mathematics department at the faculty of education for pure sciences/IBn Al-Haitham, university of Baghdad**
International Journal of Innovation, Creativity and Change | 2020
45. **The Relationship between Mathematical Mathematical Knowledge and Mathematical Logic Intelligence in Second Stage Students Computer Science Department, College of Education for ...**
Journal of the University of Anbar for Humanities, 308-330, 2018 | 2018

46. **Mathematical-procedural Knowledge ant its relation to logical-mathematical intelligence among students at the third stage in mathematics department**
Journal Of Educational and Psychological Researches 15 (58), 478-498, 2018 | 2018 | Cited: 12
47. **Logical intelligence Athlete and it's relation to the skill of decision - making in students of faculties of Education in the province of Baghdad**
Research and Islamic Studies Journal 54, 75-124, 2018 | 2018
48. **المعرفة الإجرائية لدى طلبة قسم الرياضيات في كلية التربية للعلوم الصرفة/ابن الهيثم**
Journal Of Arab Studies In Education & Psychology (ASEP) 85 (2), 393-402, 2017 | 2017
49. **Procedural Knowledge for the, Mathematics Departments Students, College of Education for Pure Sciences / Ibn al-Haytham, University of Baghdad**
Journal Of Arab Studies In Education & Psychology (ASEP) | 2017 | Cited: 4
50. **The Conceptual Mathematical Knowledge and Analytical Thinking for the First Stage Students at Math Sciences Department, Faculty of Education for Pure Sciences, IBN Alhaithem, University of Baghdad**
International Journal of Science and Research (IJSR) | 2017
51. **The Conceptual Mathematical Knowledge and Analytical Thinking for the First Stage Students at Math Sciences Department, Faculty of Education for Pure Sciences, IBN Alhaithem ...**
International Journal of Science and Research (IJSR) 6 (12), 1379-1392, 2017 | 2017 | Cited: 17
52. **Mathematical Logical Intelligence and Decision-Making Skills and Their Relationship with the Students Achievement at Colleges of Education Students in the Province of Baghdad**
Ministry of Higher Education and Scientific Research / University of Baghdad ..., 2014 | 2014
53. **Mathematical Logical Intelligence and its Relationship with Achievement among College of Education Students in Baghdad Governorate**
Nasaq, 307-354, 2014 | 2014 | Cited: 22