

husam sachit senah

حسام ساجت عويد ناصر سنة

Professor

PROFILE

Husam Sachit Senah, Professor at the University of Wasit, specialized in the morphological transformations of historic city centers. My research investigates the structural evolution of urban fabrics and the sustainability of cultural identity through rigorous quantitative indicators. Currently, I supervise a group of Master's candidates in Urban Design, focusing on heritage conservation methodologies, visual continuity, and the enhancement of streetscape quality in sites of spiritual and architectural significance.

ACADEMIC TITLES

2009-08-04	Assistant Lecturer
2013-08-04	Lecturer
2020-08-26	Assistant Professor
2025-11-26	Professor

TEACHING EXPERIENCE

Head of the Architectural Engineering Department

Wasit University

2026-02 - Present

COURSES

- **Architectural Criticism Theories** (AE 5306)
- **Architectural Design Theories** (AE 5305)
- **Basic of Architectural Design I** (WARC01)
- **Basic of Architectural Design II** (WARC04)

GRADUATE SUPERVISION

Urban Landscape Resilience

Shahad Abdul Hussein HatHoot (2025)

ADMINISTRATIVE POSITIONS

2026-03-02 - Present	Head of Department

PUBLICATIONS (21)

1. **Digital Twin Model in Planning Holy Cities: A Case Study of the Shrine Area in Karbala**
   Iraqi Journal of Architecture and Planning | 2026
2. **Adaptive sustainability strategies for old Najaf city: integrating heritage and urban development**
   Al-Nahrain Journal for Engineering Sciences 29 (1), 67-74, 2026 | 2026

CONTACT

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EDUCATION

بكلوريوس (22-07-2001)

Architectural Engineering

Baghdad

ماجستير (09-08-2005)

Architectural Engineering

Baghdad

دكتوراه (04-08-2013)

Urban Design

Baghdad

RESEARCH METRICS

h-index (Scopus)	3
h-index (GS)	5
Citations (Scopus)	20
Citations (GS)	62
Documents (Scopus)	10
Documents (GS)	18

RESEARCH INTERESTS

• Morphological Transformations, Architectural and Urban Conservation, Streetscape Quality in Heritage Sites, Conservation Methodologies for Historic Centers

3. **Sustainable urban heritage strategies for Iraq's holy cities: A case study of the Old City of Najaf**
Sustainable Engineering and Innovation | 2026

4. **Promoting Urban Cohesion Through Functional Diversity in the Historic City of Kufa**
International Journal of Design and Nature and Ecodynamics | 2026

5. **Microclimatic Stimulation and Spatial Behavior in Hot-Dry Urban Spaces: An Experimental Study Using ENVI-met and Jan Gehl's Urban Space Quality Framework**
IOP Conference Series: Earth and Environmental Science 1666 (1), 012011, 2026 | 2026

6. **Sustainable Urban Tourism and Cultural Identity: A Morphological Study in Historic Centres**
IOP Conference Series: Earth and Environmental Science 1666 (1), 012005, 2026 | 2026

7. **Preserving heritage for Iraqi cities: Urban modernization approaches according to expert opinions**
Heritage and Sustainable Development 7 (2), 1199-1212, 2025 | 2025 | Cited: 3

8. **Sustainability Investigation of the Old Mustansiriya Madrasa in Modern Construction: A Comparative Study**
Journal of Islamic Architecture 8 (3), 726-736, 2025 | 2025 | Cited: 3

9. **Urban Resilience Strategies: Creating Adaptable and Sustainable Public Spaces Along Riverbanks in Mid-Sized Cities – A Case Study of Kut City**
International Journal of Sustainable Development and Planning | 2025

10. **Urban Landscape Resilience: Reconnecting the River with Al-Kut's Traditional City Centre**
Wasit Journal of Engineering Sciences 12 (4), 191-202, 2024 | 2024 | Cited: 2

11. **Promoting the Social Cohesion in the Traditional Cities**
International Journal of Sustainable Development and Planning | 2022 | Cited: 7

12. **The Threshold of Urban Sustainability within the Traditional Cities: Traditional Alnajaf city as a case study**
IOP Conference Series: Materials Science and Engineering 1058 (1), 012055, 2021 | 2021 | Cited: 13

13. **Urban changes and its impact on the tangible and intangible heritage of City's Centre: Najaf City as a Case Study**
IOP Conference Series: Materials Science and Engineering 1058 (1), 012070, 2021 | 2021 | Cited: 14

14. **Measuring City's Social Urban Sustainability Criteria Using GIS: Kut City as a Case Study**
2021 International Conference on Advance of Sustainable Engineering and its ..., 2021 | 2021 | Cited: 5

15. **The role of urban morphological indicators to improve commercial streets of alkut city center**
University of Diyala–College of Engineering, 2020 | 2020 | Cited: 3

16. **Urban Visual Quality Of Traditional Kut City Center**
no 7, 57-64, 2019 | 2019 | Cited: 2

17. **Urban transformations of historical cities centers: Urban renewal projects of Alnajaf city center**
International Conference on Advances in Sustainable Engineering and Applications Icasea 2018 Proceedings | 2018 | Cited: 10

18. **Urban participation in improving the urban environment of historic city centers**
Wasit Journal of Engineering Sciences 6 (1), 44-56, 2018 | 2018

19. **Effect of New Urban Transformations at Townscape of Historical Cities Urban Study of Alnajaf Historical City Center**
Journal of Engineering 23 (8), 1-20, 2017 | 2017 | Cited: 1

20. **فعاليات الاستدامة والشكل الحضري في مراكز المدن التاريخية (Sustainable activities and urban form in the historical city-centers)**
المجلة العراقية للهندسة الميكانيكية وهندسة المواد 9 (c), 489-506, 2016 | 2016

21. **التحولات المورفولوجية في مراكز المدن التأريخية (Morphological Transformations in Historical Cities Centers)**
جامعة بغداد, كلية الهندسة, قسم هندسة العمارة, 2013 | 2013