

نوم: احمد جواد "نیازی"

د پلار نوم: محمد یاسین نیازی

علمی رتبه: پوهندوی

د ساختماني پوهنځي د مهندسي څانگې استاد؛

زده کړې:

- دوکتورا: د هندوستان OPJS پوهنتون د مهندسي رشتي کي، 2019
  - ماسټري: د پارول پوهنتون مهندسي او شهرسازي پوهنځي د شهرې او منطقوي پلانگداري له ډيپارټمنټ څخه کي، 2016
  - ماسټري: د کابل پولي تخنيک پوهنتون ساختماني پوهنځي د صنعتي او مدني ودانيو له ډيپارټمنټ څخه کي، ۲۰۱۴
  - ليسانس: د کابل پولي تخنيک پوهنتون ساختماني پوهنځي د مهندسي له ډيپارټمنټ څخه کي، ۲۰۱۰
- د ليسانس په پروگرام کي د تدريس مضمونونه: طرحريزي مهندسي، روش تحقيق، حفاظت کار، برنامه ريزي پروژه و کاربرد کمپيوتر در مهندسي، اساسات شهرسازي، لندسکيپ مهندسي

د ماسټري په پروگرام تدريس کونکي مضمونونه: روش و اخلاق علمي تحقيق، طرحريزي پيشرفته ۱، ۲، ۳، سيمينار ۱، ۲

څيړنيز علمي آثار:

- LAND-USE CHANGE AND ITS IMPACT ON DELHI CITY URBAN MANAGEMENT
- LAND READJUSTMENT AS A LAND DEVELOPMENT MECHANISM FOR INFORMAL AREAS OF KABUL CITY
- ARCHITECTURE IDENTITY OF INDIAN CITIES: HISTORY AND TRANSFORMATION
- URBAN INFRASTRUCTURE MANAGEMENT IN JAIPUR: CHALLENGES AND OPPORTUNITIES
- EVALUATION OF DISTRIBUTION PATTERN IN URBAN SERVICES USING NETWORK ANALYZE AND NEAREST NEIGHBORHOOD INDEX BASED ON DISTRIBUTARY JUSTICE APPROACH: CASE OF KABUL CITY
- IMPROVED CLUSTERING USING DEEP LEARNING MODEL ON WATER RESOURCE ENGINEERING
- IOT-ENABLED WATER MANAGEMENT FOR IMPROVING THE CROP HEALTH IN SMART AGRICULTURE FARMING
- A STUDY ON CREATION OF NEW TOWNS AND THEIR DEVELOPMENT IN THE POSTWAR ERA: FOUNDING IDEAS AND FORMS OF NEW TOWNS
- IMPACT INVESTIGATION OF KAJAKI DAM ON VEGETATION COVERAGE OF THE SURROUNDING BASIN USING LANDSAT SATELLITE IMAGE PROCESSING METHOD: AN ANALYTICAL COMPARISON BETWEEN 2000 AND 2021
- NEW TOWNS AND PROBING THE IDENTITY: FEATURES AND STRENGTHENING APPROACHES
- URBAN DEVELOPMENT THROUGH PARTICIPATORY APPROACH: CONTEMPORARY METHODS OF URBAN PLANNING IN KABUL CITY
- FIRE HAZARDS IN KABUL CITY: CAUSES, CASUALTY, CAPITAL LOSSES, AND RECOMMENDATIONS FOR MITIGATION- A REVIEW
- MINIMAL SPATIAL STANDARD FOR AFGHANISTAN: AN ANALYTICAL DESK RESEARCH ON EMERGENCY SHELTERS AMONG INTERNATIONAL GUIDELINES
- ASSESSING THE PATTERNS AND DYNAMICS OF BALKH RIVER FLOW DISCHARGE IN NORTH RIVER BASIN OF AFGHANISTAN FROM 2006 TO 2021

- GREEN CAMPUS DESIGN: ACHIEVING CARBON NEUTRALITY THROUGH RENEWABLE ENERGY AND SUSTAINABLE PRACTICES IN AFGHAN HIGHER EDUCATION
- GREYWATER INTEGRATION FOR URBAN GREENERY: A FRAMEWORK FOR PUBLIC BUILDINGS ARCHITECTURAL DESIGN IN KABUL ARID CLIMATE OR SEMI-ARID CLIMATE
- ENTERTAINMENT-CENTRIC STATISTICAL ANALYSIS OF INDOOR AND OUTDOOR AUDITORIUMS IN MALL CONSTRUCTION USING VISITORS OPINIONS
- AN IN-DEPTH STUDY ON MATERIAL SELECTION FOR SUSTAINABLE RESIDENTIAL ARCHITECTURAL PROJECTS

- توسعه شهرنشینی (از دیاد نفوس شهرها) در قاره آسیا و پیامدهای آن بالای مدیریت شهری
- تاثیر کرکاس (اسکلیت بندی) بالای زیبایی ساختمانها
- تعیین سمت قبله برای ولایات افغانستان و بعضی کشور های جهان
- استملاک زمین در پلان سازی شهر کابل و تاثیرات آن بالای شهر سازی
- تحلیل و بررسی فکتور های اساسی موثر بالای حل مناسب مسایل طرح ریزی تعمیرات عام المنفعه
- تعیین نمودن اقتصادی حل پلانی - حجمی تعمیرات مسکونی در جریان طرح ریزی مهندسی
- مطالعه آسیب پذیری تعمیرات شهر کابل در برابر زلزله
- تجدید نظر در طرح ریزی مهندسی در شرایط پسا کرونایی
- بررسی تاثیرات عناصر مهندسی بالای کمپوزیشن تعمیرات
- تحول استفاده اشکال هندسی در مهندسی سنتی افغانستان مطالعه موردی مسجد شاه دوشمشیره ع
- بررسی جامع طراحی مهندسی ترمینل بس های مسافربری مطالعه موردی ترمینل بس مسیر کابل کندهار

د ژباړې او ترتیب علمی آثار

1. د ساختماني توکو لارښود (ترجمه)
2. ښاري پلان جوړونه (ترجمه)

د څیړنې ساحه: شهر سازی، ښاري مدیریت او پلان جوړونه، پایدار مهندسی او اسلامي مهندسی.

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ولد: محمد یاسین نیازی

رتبه علمی: پوهندوی

استاد دیپارتمنت مهندسی پوهنځی ساختمانی؛

تحصیلات؛

- دوکتورا: از پوهنتون OPJS هندوستان از رشته مهندسی، 2019
- ماستري: پوهنتون پارول پوهنځیمهندس و شهرسازی دیپارتمنت پلانگذاری شهری و منطقه ای، 2016
- ماستري: پوهنتون پولی تخنیک کابل پوهنځی ساختمانی رشته صنعتی و مدنی، ۲۰۱۴
- لیسانس: پوهنتون پولی تخنیک کابل پوهنځی ساختمانی رشته مهندسی، ۲۰۱۰

تدریس مضامین در سطح لیسانس: روش تحقیق، حفاظت کار، برنامه ریزی پروژه و کاربرد کمپیوتر در مهندسی، طرحریزی مهندسی، لندسکیپ، اساسات شهرسازی

تدریس مضامین در سطح ماستری: روش و اخلاق علمی تحقیق، طرحریزی پیشرفته ۱، ۲، ۳، سیمینار ۱، ۲

آثار تحقیقی:

- LAND-USE CHANGE AND ITS IMPACT ON DELHI CITY URBAN MANAGEMENT
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- Impact Investigation of Kajaki Dam on Vegetation Coverage of the Surrounding Basin Using Landsat Satellite Image Processing Method: An Analytical Comparison between 2000 And 2021
- New Towns and Probing the Identity: Features and Strengthening Approaches
- Urban Development Through Participatory Approach: Contemporary methods of Urban Planning in Kabul City
- Fire Hazards in Kabul City: Causes, Casualty, Capital Losses, and Recommendations for Mitigation- A Review
- Minimal Spatial Standard for Afghanistan: An Analytical Desk Research on Emergency Shelters Among International Guidelines
- Assessing the Patterns and Dynamics of Balkh River flow Discharge in North River Basin of Afghanistan from 2006 to 2021
- Green Campus Design: Achieving Carbon Neutrality through Renewable Energy and Sustainable Practices in Afghan Higher Education
- Greywater Integration for Urban Greenery: A Framework for Public Buildings Architectural Design in Kabul Arid Climate or Semi-Arid Climate

- Entertainment-Centric Statistical Analysis of Indoor and Outdoor Auditoriums in Mall Construction Using Visitors Opinions
- An in-depth study on material selection for sustainable residential architectural projects

- توسعه شهرنشینی (از دیاد نفوس شهرها) در قاره آسیا و پیامدهای آن بالای مدیریت شهری
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#### آثار ترجمه و ترتیب

1. د ساختمانی توکو لارینود (ترجمه)

2. بناری پلان جوړونه (ترجمه)

ساحه تحقیق: شهر سازی، مدیریت و پلانگذاری شهری، مهندسی پایدار و مهندسی اسلامی.

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**Associate Professor Ahmad Jawad NIAZI Ph. D.**

**Architecture Department, Construction Faculty;**

**Educational Background:**

- **Ph. D. in Architecture from OPJS University India, 2019;**
- **Master degree in Urban and regional planning Department, Architecture Faculty of Architecture and Urban Planning, Parul University, in 2016;**
- **Master degree in Civil and Industrial Building Department, Construction Faculty of Kabul Polytechnic University, in 2014;**
- **B.Sc. degree from Architecture department, Construction Faculty of Kabul Polytechnic University, in 2010;**

**Subjects in Bachelor Program:** Research methods, work protection, project planning and computer applications in architecture.

**Subjects in Master Program:** Scientific Research Methodology and Ethics, Advanced Design 1,2,3, Seminar 1,2

**Publications:**

- LAND-USE CHANGE AND ITS IMPACT ON DELHI CITY URBAN MANAGEMENT
- Land Readjustment as a Land Development Mechanism For Informal Areas of Kabul City
- ARCHITECTURE IDENTITY OF INDIAN CITIES: HISTORY AND TRANSFORMATION
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- Iot-Enabled Water Management For Improving The Crop Health In Smart Agriculture Farming
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- Fire Hazards in Kabul City: Causes, Casualty, Capital Losses, and Recommendations for Mitigation- A Review
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- Entertainment-Centric Statistical Analysis of Indoor and Outdoor Auditoriums in Mall Construction Using Visitors Opinions
- An in-depth study on material selection for sustainable residential architectural projects

- توسعه شهرنشینی (از دیاد نفوس شهرها) در قاره آسیا و پیامدهای آن بالای مدیریت شهری
- تأثیر کرکاس (اسکلیت بندی) بالای زیبایی ساختمانها
- تعیین سمت قبله برای ولایات افغانستان و بعضی کشورهای جهان
- استملاک زمین در پلان سازی شهر کابل و تأثیرات آن بالای شهر سازی
- تحلیل و بررسی فکتور های اساسی موثر بالای حل مناسب مسایل طرح ریزی تعمیرات عام المنفعه
- تعیین نمودن اقتصادیت حل پلانی - حجمی تعمیرات مسکونی در جریان طرح ریزی مهندسی
- مطالعه آسیب پذیری تعمیرات شهر کابل در برابر زلزله
- تجدید نظر در طرح ریزی مهندسی در شرایط پسا کرونایی
- بررسی تأثیرات عناصر مهندسی بالای کمپوزیشن تعمیرات
- تحول استفاده اشکال هندسی در مهندسی سنتی افغانستان مطالعه موردی مسجد شاه دوشمشیره ع
- بررسی جامع طراحی مهندسی ترمینل بس های مسافربری مطالعه موردی ترمینل بس مسیر کابل کندهار

#### BOOK AND LECTURE NOTES

1. Construction manual (translation)
2. Urban planning (translation)

**Research Area:** Urban development, urban management and planning, sustainable architecture and Islamic architecture.

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د پلار نوم: احمد فريد

علمي رتبه: پوهنمل دوكتور

د ساختماني پوهنځي د مهندسي څانگي استاد؛

زده کړې:

- دوکتورا: د اسکی شهر تخنیکي پوهنتون، مهندسي له ډیپارټمنټ څخه، 2023 (ترکیه)
  - ماسټري: د دکابل پولي تخنیک پوهنتون، ساختماني پوهنځي، د صنعتي و مدني ودانيو (تعميرات) له ډیپارټمنټ څخه، 2016
  - لیسانس: د دکابل پولي تخنیک پوهنتون، ساختماني پوهنځي، د مهندسي له ډیپارټمنټ څخه، ۲۰۱۳
- دلیسانس په پرو گرام کي د تدریس مضمونونه: مهندسي طرح ریزی، پایښت لرونکی چاپیریالی سیستمونه
- د ماسټري په پروگرام تدریس کونکی مضمونونه: پایښت لرونکی مهندسي، طرح ریزی پیشرفته مهندسي، د مهندسي ډیزاین میتودونه
- څیړنیز علمي آثار:

1. Mehdizade, A., & Ayoobi, A. W. (2026). A Holistic Design Framework for Post-Disaster Housing Using Interlinked Modules for Diverse Architectural Applications. Sustainability, 18(2), 778.
2. Ayoobi, A. W., & Mehdizade, A. (2025). Climate responsive simulation of passive shading strategies for seasonal optimization of building energy demand. Discover Sustainability, 6(1), 1263.
3. Ayoobi, A. W., & Mehdizade, A. (2025). Exploring the Interrelationship Between Sustainability and Quality of Life in Urban Design: A Mixed-Methods Analysis of Shared and Distinct Indicators. Architecture, 5(3), 80.
4. Mehdizade, A., Ayoobi, A. W., & Inceoglu, M. (2025). Applicable and flexible post-disaster housing through parametric design and 3D printing: A novel model for prototyping and deployment. Sustainability, 17(16), 7212.
5. Ayoobi, A. W., Ekimci, B. G., & Inceoglu, M. (2024). A Comparative Study of Sustainable Cooling Approaches: Evaluating the Performance of Natural Ventilation Strategies in Arid and Semi-Arid Regions. Buildings, 14(12), 3995.
6. Ayoobi, A. W., & Inceoglu, M. (2024). Developing an Optimized Energy-Efficient Sustainable Building Design Model in an Arid and Semi-Arid Region: A Genetic Algorithm Approach. Energies, 17(23), 6095.
7. Ayoobi, A. W., Inceoglu, M., & Ikhlas, F. (2024). Evaluation of Tawa Khana as a vernacular floor heating system for enhancing building energy efficiency: A case study of Kabul City, Afghanistan. International Advanced Researches and Engineering Journal, 8(3), 133-140.
8. Ayoobi, A. W., Inceoglu, G., & Inceoglu, M. (2024). Prioritizing sustainable building design indicators through global SLR and comparative analysis of AHP and SWARA for holistic assessment: a case study of Kabul, Afghanistan. Journal of Building Pathology and Rehabilitation, 9(2), 139.
9. Ayoobi, A. W., Inceoglu, M., & Inceoglu, G. (2024). A next-generation holistic building design framework: a focus on integrating sustainable and vernacular design principles. Smart Construction and Sustainable Cities, 2(1), 18.

10. Ahmadi, H., Sahak, A. S., Ayoobi, A. W., Pekkan, E., Inceoglu, M., & Karsli, F. (2023). Application of GIS-based AHP model for the impact assessment of COVID-19 lockdown on environment quality: the case of Kabul City, Afghanistan. *Journal of the Indian Society of Remote Sensing*, 51(3), 439-452.
11. Ayoobi, A. W., Inceoglu, M., & Çolak, O. (2021, October). Assessment of the effect of architecture morphology on building energy demands using BIM, example of Kabul city residential buildings. In *International Conference on Architecture, Materials and Construction* (pp. 369-380). Cham: Springer International Publishing.
12. Ayoobi, A. W., Ahmadi, H., Inceoglu, M., & Pekkan, E. (2022). Seasonal impacts of buildings' energy consumption on the variation and spatial distribution of air pollutant over Kabul City: application of Sentinel—5P TROPOMI products. *Air Quality, Atmosphere & Health*, 15(1), 73-83.
13. Ayoobi, A. W., & Lu, M. İ. (2021). Mutual Relationship of Culture and Architecture: Focused on Residential houses in Kabul City Mutual Relationship of Culture and Architecture: Focused on Residential houses in Kabul City.
14. Ayoobi, A.W., Inceoglu. (2021). Relationship between the Indicators of Sustainable Urban Design and Quality of Life. The 9th World Sustainability Forum /MDPI. DOI: 10.13140/RG.2.2.18807.55200/1
15. Ayoobi, A. W., & Demirkol, H. G. (2021). An evaluation of architectural monuments in Afghanistan as in the capital city, Kabul. *Journal of Design for Resilience in Architecture and Planning*, 2(1), 64-85.
16. Inceoglu, M., & Ayoobi, A. W. (2020). Design model for sustainable and quality neighborhoods. *Theory and practice in sustainable planning and design*, Peter Lang. 489-504. DOI: 10.3726/b17335
17. Ayoobi, A.W. (2018). Evaluation of sustainable architecture and its positive impact on environment: Focused on Kabul city (in Persian). *Science and Technology Journal of Kabul Polytechnic University*, 67 (1). 194-205.
18. Ayoobi, A.W. (2018). The role of architectural elements in creating Islamic architecture schools and its usage in Afghanistan (in Persian). *Science and Technology Journal of Kabul Polytechnic University*, 68 (1). 234-246.

د څيړني ساحه: پايښت لرونکي مهندسي، ودانۍ د انرژۍ ماډلینګ، نوښتګر ډيزاين، سيمه ايز معمارۍ، د مهندسي ډيزاين

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اسم پدر: احمد فرید

رتبه علمی: پوهنمل دوکتور

استاد دیپارتمنت مهندسی پوهنخی ساختمانی؛

تحصیلات؛

- دوکتورا: پوهنتون تخنیکي اسکی شهر، دیپارتمنت مهندسی، ۲۰۲۳ (ترکیه)
- ماستري: پوهنتون پولی تخنیک کابل، پوهنخی ساختمانی، دیپارتمنت ساختمانهای صنعتی و مدنی (تعمیرات)، ۲۰۱۶
- لیسانس: پوهنتون پولی تخنیک کابل، پوهنخی ساختمانی، دیپارتمنت مهندسی، 2013

تدریس مضامین در سطح لیسانس: طرحریزی مهندسی، سیستم های پایدار محیطی

تدریس مضامین در سطح ماستری: مهندسی پایدار، طراحی پیشرفته مهندسی، میتود های طرحریزی مهندسی

آثار تحقیقی:

1. Mehdizade, A., & Ayoobi, A. W. (2026). A Holistic Design Framework for Post-Disaster Housing Using Interlinked Modules for Diverse Architectural Applications. Sustainability, 18(2), 778.
2. Ayoobi, A. W., & Mehdizade, A. (2025). Climate responsive simulation of passive shading strategies for seasonal optimization of building energy demand. Discover Sustainability, 6(1), 1263.
3. Ayoobi, A. W., & Mehdizade, A. (2025). Exploring the Interrelationship Between Sustainability and Quality of Life in Urban Design: A Mixed-Methods Analysis of Shared and Distinct Indicators. Architecture, 5(3), 80.
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8. Ayoobi, A. W., Inceoglu, G., & Inceoglu, M. (2024). Prioritizing sustainable building design indicators through global SLR and comparative analysis of AHP and SWARA for holistic assessment: a case study of Kabul, Afghanistan. Journal of Building Pathology and Rehabilitation, 9(2), 139.

9. Ayoobi, A. W., Inceoglu, M., & Inceoglu, G. (2024). A next-generation holistic building design framework: a focus on integrating sustainable and vernacular design principles. *Smart Construction and Sustainable Cities*, 2(1), 18.
10. Ahmadi, H., Sahak, A. S., Ayoobi, A. W., Pekkan, E., Inceoglu, M., & Karsli, F. (2023). Application of GIS-based AHP model for the impact assessment of COVID-19 lockdown on environment quality: the case of Kabul City, Afghanistan. *Journal of the Indian Society of Remote Sensing*, 51(3), 439-452.
11. Ayoobi, A. W., Inceoglu, M., & Çolak, O. (2021, October). Assessment of the effect of architecture morphology on building energy demands using BIM, example of Kabul city residential buildings. In *International Conference on Architecture, Materials and Construction* (pp. 369-380). Cham: Springer International Publishing.
12. Ayoobi, A. W., Ahmadi, H., Inceoglu, M., & Pekkan, E. (2022). Seasonal impacts of buildings' energy consumption on the variation and spatial distribution of air pollutant over Kabul City: application of Sentinel—5P TROPOMI products. *Air Quality, Atmosphere & Health*, 15(1), 73-83.
13. Ayoobi, A. W., & Lu, M. İ. (2021). Mutual Relationship of Culture and Architecture: Focused on Residential houses in Kabul City Mutual Relationship of Culture and Architecture: Focused on Residential houses in Kabul City.
14. Ayoobi, A.W., Inceoglu. (2021). Relationship between the Indicators of Sustainable Urban Design and Quality of Life. The 9th World Sustainability Forum /MDPI. DOI: 10.13140/RG.2.2.18807.55200/1
15. Ayoobi, A. W., & Demirkol, H. G. (2021). An evaluation of architectural monuments in Afghanistan as in the capital city, Kabul. *Journal of Design for Resilience in Architecture and Planning*, 2(1), 64-85.
16. Inceoglu, M., & Ayoobi, A. W. (2020). Design model for sustainable and quality neighborhoods. *Theory and practice in sustainable planning and design*, Peter Lang. 489-504. DOI: 10.3726/b17335
17. Ayoobi, A.W. (2018). Evaluation of sustainable architecture and its positive impact on environment: Focused on Kabul city (in Persian). *Science and Technology Journal of Kabul Polytechnic University*, 67 (1). 194-205.
18. Ayoobi, A.W. (2018). The role of architectural elements in creating Islamic architecture schools and its usage in Afghanistan (in Persian). *Science and Technology Journal of Kabul Polytechnic University*, 68 (1). 234-246.

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- Master Degree, Civil & Industrial Constructions Department, Construction Faculty, Kabul Polytechnic University, 2016;
- B.Sc. Degree, Architecture Department, Construction Faculty, Kabul Polytechnic University, 2013;

**Subjects in Bachelor Program:** Sustainable Environmental Systems, Architecture Design

**Subjects in Master Program:** Sustainable Architecture, Advanced Architecture Design, Architectural Design Methods

**Publications:**

1. Mehdizade, A., & Ayoobi, A. W. (2026). A Holistic Design Framework for Post-Disaster Housing Using Interlinked Modules for Diverse Architectural Applications. *Sustainability*, 18(2), 778.
2. Ayoobi, A. W., & Mehdizade, A. (2025). Climate responsive simulation of passive shading strategies for seasonal optimization of building energy demand. *Discover Sustainability*, 6(1), 1263.
3. Ayoobi, A. W., & Mehdizade, A. (2025). Exploring the Interrelationship Between Sustainability and Quality of Life in Urban Design: A Mixed-Methods Analysis of Shared and Distinct Indicators. *Architecture*, 5(3), 80.
4. Mehdizade, A., Ayoobi, A. W., & Inceoğlu, M. (2025). Applicable and flexible post-disaster housing through parametric design and 3D printing: A novel model for prototyping and deployment. *Sustainability*, 17(16), 7212.
5. Ayoobi, A. W., Ekimci, B. G., & Inceoğlu, M. (2024). A Comparative Study of Sustainable Cooling Approaches: Evaluating the Performance of Natural Ventilation Strategies in Arid and Semi-Arid Regions. *Buildings*, 14(12), 3995.
6. Ayoobi, A. W., & Inceoğlu, M. (2024). Developing an Optimized Energy-Efficient Sustainable Building Design Model in an Arid and Semi-Arid Region: A Genetic Algorithm Approach. *Energies*, 17(23), 6095.
7. Ayoobi, A. W., Inceoglu, M., & Ikhlas, F. (2024). Evaluation of Tawa Khana as a vernacular floor heating system for enhancing building energy efficiency: A case study of Kabul City, Afghanistan. *International Advanced Researches and Engineering Journal*, 8(3), 133-140.
8. Ayoobi, A. W., Inceoğlu, G., & Inceoğlu, M. (2024). Prioritizing sustainable building design indicators through global SLR and comparative analysis of AHP and SWARA for holistic

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9. Ayoobi, A. W., Inceoğlu, M., & Inceoğlu, G. (2024). A next-generation holistic building design framework: a focus on integrating sustainable and vernacular design principles. *Smart Construction and Sustainable Cities*, 2(1), 18.
  10. Ahmadi, H., Sahak, A. S., Ayoobi, A. W., Pekkan, E., Inceoğlu, M., & Karsli, F. (2023). Application of GIS-based AHP model for the impact assessment of COVID-19 lockdown on environment quality: the case of Kabul City, Afghanistan. *Journal of the Indian Society of Remote Sensing*, 51(3), 439-452.
  11. Ayoobi, A. W., Inceoğlu, M., & Çolak, O. (2021, October). Assessment of the effect of architecture morphology on building energy demands using BIM, example of Kabul city residential buildings. In *International Conference on Architecture, Materials and Construction* (pp. 369-380). Cham: Springer International Publishing.
  12. Ayoobi, A. W., Ahmadi, H., Inceoglu, M., & Pekkan, E. (2022). Seasonal impacts of buildings' energy consumption on the variation and spatial distribution of air pollutant over Kabul City: application of Sentinel—5P TROPOMI products. *Air Quality, Atmosphere & Health*, 15(1), 73-83.
  13. Ayoobi, A. W., & Lu, M. İ. (2021). Mutual Relationship of Culture and Architecture: Focused on Residential houses in Kabul City Mutual Relationship of Culture and Architecture: Focused on Residential houses in Kabul City.
  14. Ayoobi, A.W., Inceoglu, M. (2021). Relationship between the Indicators of Sustainable Urban Design and Quality of Life. The 9th World Sustainability Forum /MDPI. DOI: 10.13140/RG.2.2.18807.55200/1
  15. Ayoobi, A. W., & Demirkol, H. G. (2021). An evaluation of architectural monuments in Afghanistan as in the capital city, Kabul. *Journal of Design for Resilience in Architecture and Planning*, 2(1), 64-85.
  16. İnceoğlu, M., & Ayoobi, A. W. (2020). Design model for sustainable and quality neighborhoods. *Theory and practice in sustainable planning and design*, Peter Lang. 489-504. DOI: 10.3726/b17335
  17. Ayoobi, A.W. (2018). Evaluation of sustainable architecture and its positive impact on environment: Focused on Kabul city (in Persian). *Science and Technology Journal of Kabul Polytechnic University*, 67 (1). 194-205.
  18. Ayoobi, A.W. (2018). The role of architectural elements in creating Islamic architecture schools and its usage in Afghanistan (in Persian). *Science and Technology Journal of Kabul Polytechnic University*, 68 (1). 234-246.

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زده کړي:

• ماسټري: د سلجوق پوهنتون مهندسي له ډيپارټمنټ څخه 2018

• ليسانس: د کابل پولي تخنيک پوهنتون ساختماني پوهنځي د مهندسي له ډيپارټمنټ څخه ۲۰۱۳

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څيړنيز علمي آثار:

- Architecture and Health (Black Sea Journal of Engineering and Science, 2021)
- Analyzing Preschool Education Models in Architectural Design (Istanbul Aydin University, A + Arch Design, 2021)
- Green Campus Design: Achieving Carbon Neutrality through Renewable Energy and Sustainable Practices in Afghan Higher Education (KPU IJET, 2025)
- Entertainment-Centric Statistical Analysis of Indoor and Outdoor Auditoriums in Mall Construction Using Visitors Opinions
- An In-Depth Study On Material Selection for Sustainable Residential Architectural Projects
- Fundamental Parameters of Sustainable Building Design: A Systematic Literature Review of Challenges and Trade-Offs
- Evaluating the Educational Impact of Studio-Based Design Methodologies in Architectural Courses
- Microclimatic architectural design by interfacing grasshoppers and Dynamo with Rhino and Revit
- Building Information Model for Cost Estimation and Scheduling in Building Architecture

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تحصيلات؛

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- Fundamental Parameters of Sustainable Building Design: A Systematic Literature Review of Challenges and Trade-Offs
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آثار ترجمه و ترتيب

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**Publications:**

- Architecture and Health (Black Sea Journal of Engineering and Science, 2021)
- Analyzing Preschool Education Models in Architectural Design (Istanbul Aydin University, A + Arch Design, 2021)
- Green Campus Design: Achieving Carbon Neutrality through Renewable Energy and Sustainable Practices in Afghan Higher Education (KPU IJET, 2025)
- Entertainment-Centric Statistical Analysis of Indoor and Outdoor Auditoriums in Mall Construction Using Visitors Opinions
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- Evaluating the Educational Impact of Studio-Based Design Methodologies in Architectural Courses
- Microclimatic architectural design by interfacing grasshoppers and Dynamo with Rhino and Revit
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**BOOK AND LECTURE NOTES**

1. Analyzing Architecture (translation)
2. Sustainability – Principle and Practice (translation)

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زده کړې:

- ماسټري : دکابل پولي تخنیک پوهنتون ساختماني پوهنځي دصنعتي او مدني ودانيو له ډیپارټمنټ څخه د ودانيو دساختمان په څانگه کې، ۲۰۱۸
- لیسانس : دکابل پولي تخنیک پوهنتون ساختماني پوهنځي د مهندسي له ډیپارټمنټ څخه ، ۲۰۱۱
- دلیسانس په پرو گرام کې د تدریس مضمونونه: د مهندسي ډیزاین، د ودانيو فزیک، انجنیري تجهیزات (مرکز گرمی)، د ودانيو مهندسي
- د ماسټري په پروگرام تدریس کونکی مضمونونه: د مهندسي تیوري او نقد، د افغانستان عنعنوی معماري، د تاریخي ودانيو ساتنه او څارنه، څیرکه معماري
- څیرنیز علمی آثار:

- A Review on Main Parameters of Composition for Artistic and Harmonic Solution in Architectural Design of Partial Forms
- Assessment of Timber Degradation by Wood-Fungus and Insects in Afghanistan's Diverse Climatic Zones
- Evaluation of Tawa Khana as a vernacular floor heating system for enhancing building energy efficiency: A case study of Kabul City, Afghanistan
- Evaluation of the reconstruction of Jabal Saraj royal palace in Parwan Afghanistan
- د مهندسي توکو ترکیب یا کمپوزیشن او دودانیو په طرح کی دهغوی رول ، (مقاله)؛
- په افغانستان کی دودانیو چارو صنعتی کول ، (مقاله)؛
- د مهندسي له نظره دودانیو پروراندی دزلزلی ضد تدابیر (مقاله)
- دودانیو د بیلابیلو ساختمانی سیستمونو دکلکوالی اواققتصاد څیرنه اوارزونه ، (دماستری تیزس)؛

د ژباړې او ترتیب علمی آثار

5. معرفی مختصر مهندسي درسي کتاب (ترجمه)
6. د ودانی فزیک ممد درسي کتاب (ترجمه)
7. د مهندسي ترکیب یا کمپوزیشن، (لکچرنوټ)،
8. دطراحی ځانگړی کورس، (لکچرنوټ)،
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آثار تحقیقی:

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- Assessment of Timber Degradation by Wood-Fungus and Insects in Afghanistan's Diverse Climatic Zones
- Evaluation of Tawa Khana as a vernacular floor heating system for enhancing building energy efficiency: A case study of Kabul City, Afghanistan
- Evaluation of the reconstruction of Jabal Saraj royal palace in Parwan Afghanistan

- د مهندسی توکو ترکیب یا کمپوزیشن او دودانیو په طرح کی دهغوی رول ، (مقاله)؛
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- د مهندسی له نظره دودانیو پر وړاندی دزلزلی ضد تدابیر (مقاله)
- دودانیو د بیلابیلو ساختمانی سیستمونو دکلکوالی او اقتصاد څیرنه اوارزونه ، (دماستری تیزس)؛

آثار ترجمه و ترتیب

10. معرفی مختصر مهندسی کتاب درسی (ترجمه)

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**Publications:**

- A Review on Main Parameters of Composition for Artistic and Harmonic Solution in Architectural Design of Partial Forms
  - Assessment of Timber Degradation by Wood-Fungus and Insects in Afghanistan's Diverse Climatic Zones
  - Evaluation of Tawa Khana as a vernacular floor heating system for enhancing building energy efficiency: A case study of Kabul City, Afghanistan
  - Evaluation of the reconstruction of Jabal Saraj royal palace in Parwan Afghanistan
  - Contribution of architectural composition in architectural design of buildings, (Article);
  - Industrialization of construction technology in Afghanistan, (Article);
  - Evaluation of architectural principles for earth quake control, (Article);
  - Technical and economical indexes evaluation of construction system of buildings, (Master thesis)
- BOOK AND LECTURE NOTES**
1. Simple Introduction to Architecture (Translation)
  2. Building Physics (Translation)
  3. Special course of architectural design, (lecture notes)
  4. architectural compositions, (lecture notes)
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**Research Area: Architecture Design, Building Physics and Conservation**

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تحصيلات؛

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ماستری : پوهنتون پولی تخنیک کابل پوهنځی ساختمانی رشته ساختمان های صنعتی و مدنی ۱۹۸۵

تدریس مضامین در سطح لیسانس: مبادی مهندسی، تیوری مهندسی، ساختمان-۱، ساختمان-۲، مهندسی معاصر و مهندسی تعمیرات صنعتی

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آثار تحقیقی:

در حدود ۲۵ اثر تحقیقی ملی و بین المللی .1

آثار تالیف:

۱. کتاب درسی عناصر مهندسی تعمیرات ۱، ۲ و ۳

۲. کتاب درسی مهندسی معاصر

3. رهنمای متودیکی اجرای کار های صنفی

۴. رهنمای تهیه و ترتیب بخش تشریحی پروژه های دیپلوم رشته مهندسی

ساحه تحقیق: انکشاف معماری عنعنوی افغانستان در هماهنگی با روند رشد سریع مهندسی معاصر جهان

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د پلار نوم: يار محمد

علمي رتبه: پوهاند

دنده: د کابل پولي تخنيک پوهنتون، ساختماني پوهنځي د مهندسي (ارکيټيکچر) ډيپارټمنټ استاد (۱۳۶۵ - ۱۴۰۴ کلونه)

زده کړې:

ماسټري: د کابل پولي تخنيک پوهنتون، ساختماني پوهنځي، د صنعتي او مدني ودانيو څانگه (۱۹۸۵ کال)

د ليسانس په کچه تدريسېدونکي مضامين:

د مهندسي مبدي، د مهندسي تيوري، ودانۍ-۱، ودانۍ-۲، معاصره مهندسي او د صنعتي ودانيو مهندسي.

د ماسټري په کچه تدريسېدونکي مضامين:

په مهندسي ډيزاين کې د باروړونکو بدنونو رول، د استوگني پاليسي او ستونزې، په مهندسي ډيزاين کې عقلانيت.

څېړنيز اثار:

۱. شاوخوا ۲۵ ملي او نړيوال علمي او څېړنيز اثار.

تاليف شوي اثار:

۱. د ودانيو د مهندسي عناصرو درسي کتاب (۱، ۲ او ۳ ټوکونه).

۲. د معاصرې مهندسي درسي کتاب.

۳. د ټولگنيزو (صنفي) کارونو د ترسره کولو ميتوديکي لارښود.

۴. د مهندسي څانگې د ډيپلوم پروژو د تشرېحي برخې د چمتو کولو او ترتيب لارښود.

د څېړنې ساحه:

د نړۍ د معاصرې مهندسي له چټکې ودې سره په همغږۍ کې د افغانستان د دوديزې معمارۍ پراختيا.

**Name:** Saleh Mohammad Yari

**Father's Name:** Yar Mohammad

**Academic Rank:** Professor (Pohand)

**Position:** Faculty Member at the Department of Architecture, Faculty of Construction, Kabul Polytechnic University (1365–1404 / 1986–2026)

### **Education**

- **Master of Science (M.Sc.):** Industrial and Civil Construction, Faculty of Construction, Kabul Polytechnic University (1985)

### **Teaching Experience**

#### **Undergraduate Courses (B.Sc.):**

- Principles of Architecture
- Theory of Architecture
- Building Construction-1 &
- Contemporary Architecture
- Architecture of Industrial Buildings

#### **Graduate Courses (M.Sc.):**

- The Role of Structural Elements in Architectural Design
- Housing Policy and Issues
- Rationalism in Architectural Design

### **Research and Publications**

- **Research Papers:** Approximately 25 national and international research papers.
- **Authored Books:**
- *Architectural Elements of Buildings* (Vols 1, 2, and 3) - Textbook
- *Contemporary Architecture* - Textbook
- *Methodical Guide for Conducting Coursework*
- *Guide for Preparing the Descriptive Section of Diploma Projects in Architecture*

### **Research Interests**

- The development of traditional Afghan architecture in coordination with the global rapid growth of contemporary architecture.

اسم: احمدزبير صديقي

ولد: محمد بشير صديقي

رتبه علمي: پوهنيار

استاد دپارتمنت مهندسي پوهنځي ساختماني پوهنتون پولي تخنيک کابل (سال ۱۴۰۴)

تحصيلات؛

ماستري : پوهنتون پولي تخنيک کابل پوهنځي ساختماني رشته مهندسي تعميرات ۱۴۰۳

تدريس مضامين در سطح ليسانس: مهارت مسلکي ، طراحي مهندسي، فزيک ساختمان، انټرير ډيزاين، طراحي محيطي و جامعه و مهندسي تعميرات صنعتي

رهنماي تهيه و ترنيب بخش تشریحي پروژه های ديپلوم رشته مهندسي

ساحه تحقيق: انکشاف مهندسي در جامعه ديني و فرهنگي افغانستان

- نوم: احمدزبير صديقي  
د پلار نوم: محمد بشير صديقي  
علمي رتبه: پوهنيار  
دنده: د كابل پولي تخنيك پوهنتون، ساختماني پوهنځي، د مهندسي ډيپارټمنټ استاد (۱۴۰۴ - ۱۴۰۴ كلونه)
- زده كړې:  
ماستري: د كابل پولي تخنيك پوهنتون، ساختماني پوهنځي، د ودانيو د مهندسي څانگه (۱۴۰۳ كال)  
د ليسانس په كچه تدريسېدونكي مضامين:  
مسلكي مهارت، مهندسي ډيزاين (طراحي)، د وداني فزيك، انټرير ډيزاين (داخلي ډيزاين)، محيطي او ټولنيز ډيزاين او د صنعتي ودانيو مهندسي.
- لارښود اثر:  
۴. د مهندسي څانگې د ډيپلوم پروژو د تشرېحي برخې د چمتو كولو او ترتيب لارښود.
- د څېړنې ساحه:  
د افغانستان په ديني او كلتوري ټولنه كې د مهندسي پراختيا.



**Name:** Ahmad Zubair Siddiqi

**Father's Name:** Mohammad Bashir Siddiqi

**Academic Rank:** Assistant Professor (Pohanyar)

**Position:** Faculty Member at the Department of Architecture, Faculty of Construction, Kabul Polytechnic University (1404–1404 / 2025–2026)

### **Education**

- **Master of Science (M.Sc.):** Architectural Engineering, Faculty of Construction, Kabul Polytechnic University (1403 / 2024)

### **Teaching Experience (Undergraduate Level)**

- Professional Skills
- Architectural Design
- Building Physics
- Interior Design
- Environmental and Social Design
- Architecture of Industrial Buildings

### **Publications/Guides**

- Guide for Preparing and Organizing the Descriptive Section of Diploma Projects in Architecture.

### **Research Interests**

- The development of Architecture within the religious and cultural context of Afghan society.

اسم: محمد منیر مایار

ولد: شاه آقا

رتبه علمی: پوهنبار

استاد دیپارتمنت مهندسی پوهنځی ساختمانی پوهنتون پولی تخنیک کابل (سال های ۱۴۰۲ - ۱۴۰۴)

تحصیلات؛

ماستری : پوهنتون پولی تخنیک کابل پوهنځی ساختمانی رشته مهندسی تعمیرات ۱۴۰۳

تدریس مضامین در سطح لیسانس: طرحریزی تعمیرات ، فزیک ساختمان، تاریخ مهندسی، مبادی مهندسی

رهنمایی تهیه و ترتیب بخش تشریحی پروژه های دیپلوم رشته مهندسی

ساحه تحقیق: طراحی ساختمان های سازگار با اقلیم، پایداری و ساختمان های سبز

آثار تحقیقی:

- A comprehensive Landscape & Facilities Study and Assessment of upgrades for a community park: Case Study of Shahr-e-Naw Park)
- Climate-responsive and Energy-Efficient Building Design in Kabul city.

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نوم: محمد منير مایار

د پلار نوم: شاه آقا

علمي رتبه: پوهنيار

دنده: د کابل پولي تخنيک پوهنتون، ساختماني پوهنځي، د مهندسي ډيپارټمنټ استاد (۱۴۰۲ - ۱۴۰۴ کلونه)

زده کړي:

ماستري: د کابل پولي تخنيک پوهنتون، ساختماني پوهنځي، د ودانيو د مهندسي څانگه (۱۴۰۳ کال)

د ليسانس په کچه تدريسېدونکي مضامين:

د ودانيو طرح کول، د ساختمان فزيک، د مهندسي تاريخ او د مهندسي مبادي

لارښود اثر:

د مهندسي څانگي د ډيپلوم پروژو د تشریحي برخي د چمتو کولو او ترتيب لارښود.

د څيړني ساحه:

د اقليم سره مناسب د تعميراتو طرحريزي، پايښت لرونکي مهندسي

آثار تحقيقي:

- A comprehensive Landscape & Facilities Study and Assessment of upgrades for a community park: Case Study of Shahr-e-Naw Park)
- Climate-responsive and Energy-Efficient Building Design in Kabul city.

تماس: +93 780454751 [monir.mayar@kpu.edu.af](mailto:monir.mayar@kpu.edu.af)

**Name:** Mohammad Monir Mayar

**Father's Name:** Shah Aqa

**Academic Rank:** Assistant Professor (Pohanyar)

**Position:** Faculty Member at the Department of Architecture, Faculty of Construction, Kabul Polytechnic University (1402–1404 / 2023–2026)

### **Education**

- **Master of Science (M.Sc.):** Architecture, Faculty of Construction, Kabul Polytechnic University (1403 / 2024)

### **Teaching Experience (Undergraduate Level)**

- Architecture History
- Architectural Design
- Building Physics
- Sustainable Building Design
- Fundamentals of Architecture

### **Publications/Guides**

- A comprehensive Landscape & Facilities Study and Assessment of upgrades for a community park: Case Study of Shahr-e-Naw Park)
- Climate-responsive and Energy-Efficient Building Design in Kabul city.

### **Research Interests**

Climate-responsive and Energy-Efficient Building Design, Sustainable Building Design

**Contact:** [monir.mayar@kpu.edu.af](mailto:monir.mayar@kpu.edu.af) +93 780454751