

Obuks Ejohwomu, PhD, MSc, BEng | FNSE, FHEA  
Academic (Teaching & Research) Reader in Sustainable Built Environment &  
Project Management  
Infrastructure and Resilience  
Email: obuks.ejohwomu@manchester.ac.uk



## Overview

Obuks Ejohwomu is a Reader (Associate Professor) and founder of Nudge SIG (Special Interest Group) at The University of Manchester. He is the current Head of Admissions in the School of Engineering, Faculty of Science and Engineering. He is listed as one of Manchester's Heritage Heroes for the impact of his research work. Obuks is also a fellow of the Higher Education Academy and the unit lead for commercial and procurement management. Obuks particularly leads a research group focusing on a **future sustainable built environment** with expertise in *decarbonised projects, indoor/outdoor air pollution monitoring using low-cost sensors, occupational health & safety and digitalisation in the built environment*. Contributed to the 2024 Building Regulations by determining the principles for a Scottish equivalent to the Passivhaus standard, as outlined in the published consultation. Recipient of the 2024 Project Management Education Award in recognition of outstanding global contributions to education. He is a Better World Showcase 2022 award winner for outstanding contributions to environmental sustainability. An award winner for notable contribution to the fight against the COVID-19 pandemic. He has managed grants valued at over GBP £1.3m, with funders including EPSRC, Association of Project Management (APM), GCRF, Lloyds Register Foundation, NHS Foundation Trust, and UKRI. He is the PI on a high-impact multidisciplinary research project probing the "societal value of quality low-cost urban air monitoring in low resource environments (SQUARE). Before joining MACE he worked as a contracts manager on several building construction projects totalling over N100m (Lukayson Ventures Ltd), a systems engineer in the telemetry and laboratory business area of Scottish Water, Glasgow, Research Assistant on a Black Country learning and skills action research project (University of Wolverhampton), Research Fellow (University of Reading) on the EPSRC Health and Care Infrastructure Research and Innovation Centre (HaCIRIC), Programme Manager (W D Consults Ltd), Lecturer in Civil Engineering (Covenant University), Senior Lecturer in Project Management and Head, Department of Management Technology (Bells University of Technology). In the past, he has consulted for the likes of Coffey International on DFID projects (Growth and Employment in States (GEMS)) in Nigeria, National Petroleum Investment Management Services (NAPIMS), Nigerian National Petroleum Corporation Staff Cooperative Multipurpose Society, and Pipelines and Products Marketing Company Limited (PPMC). He obtained his BEng degree in Civil Engineering from UNIBEN, MSc in Systems Engineering from Heriot-Watt, and PhD in Construction Engineering and Management from Wolverhampton. Associate Editor - Journal of Engineering, Design and Technology. Guest editor and editorial board member for some of his field's leading journals. University of Melbourne FEIT Visiting Fellow. He is a **Foundation Governor** at St Edmund's Catholic Academy and Director at The Royal School. When the opportunity is available, he enjoys networking and hiking.

PhD Completion (\*as PI):

- \*Societal value of nuclear decommissioning and remediation.
  - \*Assessment of user (dis)engagement in the provision of affordable housing: the case of the UK social housing sector.
  - A building information modelling maturity model for the South African construction industry.
  - \*Development of a project risk management framework: a case study of major African economies.
  - \*Standards-innovation relationship in projects: In the context of ship-recycling in Bangladesh.
  - \*A hermeneutical approach to social value: A case study of national infrastructure planning in Oman.
  - \*Development of safety leading and lagging indicators framework for contractor selection in construction projects.
  - \*Standardizing carbon neutrality in the delivery of complex projects.
- Ongoing PhD Supervision (\*as PI):
- \*Ethics in Stakeholder Engagement for Project Sustainability (Part-Time).
  - \*Risk analysis of low-carbon technological innovation in reducing building life cycle carbon emissions.
  - Exploring governance in construction Circular Economy.
  - Improving the cost modelling of environmental, social, governance using artificial intelligence.
  - Facilitating the transition to a circular economy for cooling in developing countries.
  - \*Application of operation science in production and manufacturing to improve integration management on oil and gas capital projects (Part-Time).

- \*Bridging digital transformation and environmental, social, and governance (ESG) metrics: insights from the construction business ecosystem.
- Heating and Cooling Demand in a Changing Climate: A case study of new build UK Social Housing.
- Inter-firm Conflict and Delay in Construction Projects: A study on the Malaysian Construction Industry.
- Investigating Air Pollution, HIV, and Systemic Inflammation as Pathways to Chronic Disease Outcomes among Adults in Kenya.
- \*Toward Transferable Scalable Urban Energy Digital Twins: An Explainable AI Approach for Spatio-Temporal Building Energy Optimization Across Megacities

## Employment

### Reader in Project Management

Academic (Teaching & Research) Reader  
 Civil Eng and Management (L5)  
 The University of Manchester  
 1 Aug 2025 → present

### External Examiner

Universitat Politècnica de Catalunya  
 Barcelona, Spain  
 1 Sept 2025 → present

### External Examiner (PhD),

Cape Peninsula University of Technology  
 Cape Town, South Africa  
 1 Feb 2022 → present

### External Examiner (PhD),

University of Johannesburg  
 Johannesburg, South Africa  
 1 Mar 2020 → present

### External Examiner (PhD)

University of Salford  
 Salford, United Kingdom  
 17 Jan 2020 → present

### External Examiner (PhD)

University of Bradford  
 Bradford, United Kingdom  
 10 Oct 2019 → present

### External Examiner (PhD)

Nelson Mandela University  
 Port Elizabeth, South Africa  
 8 Aug 2018 → present

### External Examiner (PhD)

University of the West of England, Bristol  
 Bristol, United Kingdom  
 23 Jul 2018 → present

**Grants proposals reviewer for Newton Fund**

The British Council  
London, United Kingdom  
12 Jun 2018 → present

**External Examiner (PhD)**

University of Bedfordshire  
Luton, United Kingdom  
2 May 2018 → present

**External Examiner (PhD)**

University of Wolverhampton  
Wolverhampton, United Kingdom  
5 Mar 2018 → present

**External Adviser School of Architecture and Built Environment**

University of Wolverhampton  
Wolverhampton, United Kingdom  
8 Sept 2017 → present

**External Examiner (PhD)**

University of Lincoln  
Lincoln, United Kingdom  
1 Jun 2017 → present

**Chair**

7th International Conference on Infrastructure Development in Africa  
31 Mar 2017 → 1 Apr 2018

**External Examiner (PhD)**

Kwame Nkrumah University of Science & Technology  
Kumasi, Ghana  
1 Jan 2016 → present

**External Examiner**

University of Johannesburg  
Johannesburg, South Africa  
1 Jan 2015 → present

**Research outputs****Demographic and emission drivers of household air pollution in biomass using communities**

Godasiaei, S. H., Ejohwomu, O., Oladokun, M. & Elghaish, F., 17 Apr 2026, (Accepted/In press) In: Nature Scientific Reports. p. 1-32 32 p., Submission ID 120be403-4a36-45f1-aa59-a24df28c9af9.

**Transitioning to smart circular construction: A conceptual framework for circular economy implementation through Construction 4.0 technologies**

Abiodun, O., Abadi, M., Ejohwomu, O. & Manu, P., 1 Apr 2026, In: Environmental Impact Assessment Review. 118, 2026, p. 1-16 16 p., 108260.

**Examining the barriers to the adoption of the metaverse in construction projects: lessons learned from the UK**

Mohandes, S. R., Zou, J., Ejohwomu, O., Kidd, C. & Arashpour, M., 3 Feb 2026, In: Journal of Engineering, Design and Technology. 24, 1, p. 242-259

**Improving Energy Performance and Futureproofing Social Housing: Professional Views and Policy Directions in the UK**  
Brown, C., Welfle, A., Ejohwomu, O. & Clery, D., 1 Feb 2026, In: Energy Policy.

**A generative physics-informed machine learning model for soil microplastic accumulation dynamics**  
Ejohwomu, O. & Godasiaei, S. H., 1 Jan 2026, In: Journal of Environmental Management. 397, 14 p., 128326.

**Generative physics-informed machine learning for modeling indoor air quality and its impact on student health and performance**  
Dosumu, A., Godasiaei, S. H., Ejohwomu, O. & Mohandes, S. R., 1 Dec 2025, In: Journal of Environmental Management. 395, 38 p., 127676.

**Energy Performance Gap in Zero-Energy Buildings: A Socio-Technical Complexity Framework for Risk Assessment and Mitigation**  
Gong, Z., Ejohwomu, O., Shen, F., Aye, L., Aminian, E. & Abadi, M., 5 Oct 2025, In: Environmental Challenges. p. 1 32 p.

**Interpretability in Machine Learning for IAQ and HVAC Optimisation: A Response to Oka et al.**  
Godasiaei, S. H., Ejohwomu, O., Zhong, H. & Booker, D., 1 Oct 2025, In: Building and Environment. 284, p. 1-12 12 p., 113494.

**Sustainable Investment Decision-Making on Office Buildings using Reinforcement Learning and Large Language Models**  
Tao, Z., Baguley, P., Maqbool, R. & Ejohwomu, O., Oct 2025, *Open Conference of AI Agents for Science 2025*.

**Embedding Circularity Assessments in Building Projects' Frontend Decision-making: Presenting a Compelling Behaviour Change Case**  
Abadi, M., Moore, D., Huang, J., Mohandes, S. R. & Ejohwomu, O., 30 Sept 2025, In: Smart and Sustainable Built Environment. SASBE-04-2025-0173.

**A Framework of Maturity Levels for Building Firms to Inform the Strategic Transition to Smart Circular Construction**  
Abiodun, O., Abadi, M., Ejohwomu, O. & Manu, P., 2 Sept 2025, *Proceedings of the 41st Annual ARCOM Conference, 1-3 September 2025, Abertay University, Dundee, UK, Association of Researchers in Construction Management*. ARCOM, p. 753-762 10 p.

**Developing a Conceptual Framework to Embed the Social Cost of Carbon in Cost Estimation for Commercial Buildings**  
Tao, Z., Baguley, P., Ejohwomu, O. & Maqbool, R., 1 Sept 2025, *Association of Researchers in Construction Management, ARCOM 2025 - Proceedings of the 41st Annual Conference*. Thomson, C. & Neilson, C. J. (eds.). Association of Researchers in Construction Management, p. 950-959 10 p. (Association of Researchers in Construction Management, ARCOM 2025 - Proceedings of the 41st Annual Conference).

**Reviewing the sustainability tracking process for cross-university construction projects at the University of Manchester.**  
Tippett, J., Heysham, N., Ejohwomu, O., Adelekan, A., Brown, C., Carroll, D., Cheung, C., Choi, S., Li, J., Maqbool, R., Mohandes, S. R., Okorie, O., Gong, Z., Wu, Q. & Yu, Y., 20 Aug 2025, Zenodo. 36 p.

**Passive cooling for circular economy: Building materials and design solutions**  
Yu, Y., Ejohwomu, O. & Gallego-Schmid, A., 17 Jul 2025, (E-pub ahead of print) In: Procedia CIRP. 135, p. 332-337

**A Framework for Prioritising Decisions in Zero Carbon Building Design**  
Too, J., Hui, F. K. P., Ejohwomu, O. A., Herath, N. & Duffield, C., 25 Jun 2025, In: Journal of Cleaner Production. 512, 145627.

**Potential domains, challenges, and evaluation standards for integrating artificial intelligence and BIM into construction processes**  
Olugboyege, O., Ejohwomu, O. & Omopariola, E. D., 22 Jun 2025, (Accepted/In press) In: Frontiers in Engineering and Built Environment. p. 1 28 p.

**Integrating Experimental Analysis and Machine Learning for Enhancing Energy Efficiency and Indoor Air Quality in Educational Buildings**

Godasiaei, S. H., Ejohwomu, O., Zhong, H. & Booker, D., 15 May 2025, In: *Building and Environment*. 276, 38 p., BAE 112874.

**Framework for standardising carbon neutrality in building projects: An interactive tool**

Too, J., Ejohwomu, O. & Hui, F., 8 May 2025, Manchester : University of Manchester Figshare.

**Human Augmentation Technology Adoption for the Construction Industry**

Adekunle, S. A., Aigbavboa, C., Ejohwomu, O., Akinradewo, O., Ebekoziem, A. & Aghimien, D., 29 Apr 2025, *Sustainable Communities through Digital Transformation*. Arayici, Y., Thurairajah, N. & Kumar, B. (eds.). 1 st ed. Routledge, 22 p.

**Multi-Level Optimisation of Feature Extraction Networks for Concrete Surface Crack Detection**

Elghaish, F., Matarneh, S., Rahimian, F. P., Abdellatef, E., Edwards, D., Ejohwomu, O., Abdelmegid, M. & Park, C., 1 Mar 2025, In: *Developments in the Built Environment*. 21, p. 1 38 p., 100587.

**Exploring Potentials and Barriers of Industry 4.0 Technologies to Facilitate the Transition to Circular Economy in Construction: A Systematic Literature Review**

Abiodun, O., Abadi, M., Ejohwomu, O. & Manu, P., 1 Jan 2025, *International SEEDS Conference 2023*. SEEDS Conference, 19 p. 326

**A PRACTICAL APPROACH TO TEACHING EMERGING TECHNOLOGIES: A CASE OF BIM**

Adekunle, S. A., Oyeyipo, O., Aigbavboa, C., Ebekoziem, A., Aliu, J. & Ejohwomu, O., 12 Dec 2024, (Accepted/In press) In: *Engineering Construction and Architectural Management*. p. 1 15 p.

**Dynamic ESG Scoring Modelling in Asset Management**

Tao, Z., Baguley, P., Cheung, C. & Ejohwomu, O., 22 Oct 2024.

**Dimensions of Maturity Model for Institutionalising Smart Circular Construction: A Systematic Literature Review**

Abiodun, O., Abadi, M., Ejohwomu, O. & Manu, P., 2 Sept 2024, *Proceedings of the 40th Annual ARCOM Conference, 2-4 September 2024, London, UK, Association of Researchers in Construction Management*. ARCOM, 10 p.

**Development of a Machine Learning Sustainability Cost Estimation Model in the Facilities Management Sector**

Tao, Z., Baguley, P., Cheung, C., Ejohwomu, O. & Jones, D., Sept 2024, *BAM, Nottingham, 2/09/24*.

**Exploring the discrepancy between bribery-related legal and social norms in public project procurement in Nigeria**

Olugboyega, O., Ejohwomu, O. & Omopariola, E. D., 22 Jun 2024, (Accepted/In press) *ARCOM Conference 2024: Looking Back to Move Forward 40th Conference and Annual General Meeting*.

**Leadership Energy Theory for Sustaining Leadership Competence and Effectiveness**

Olugboyega, O., Ejohwomu, O., Omopariola, E. D. & Omoregie, A., 7 Jun 2024, In: *Merits*. 4, 2, p. 191-210 20 p.

**Determining the stationary Digital Twins Implementation Barriers for sustainable construction projects**

Mohandes, S. R., Kumar, A., Fazeli, A., Banihashemi, S., Arashpour, M., Cheung, C., Ejohwomu, O. & Zayed, T., 9 May 2024, (E-pub ahead of print) In: *Smart and Sustainable Built Environment*. p. 1-75 75 p.

**Developing a Social Value Model for Oman's National Infrastructure Planning: A Hermeneutical Approach**

Al-Hinai, A., Ejohwomu, O. & Abadi, M., 1 Mar 2024, In: *Sustainable and Resilient Infrastructure*. 9, 2, p. 1-39 39 p.

**The Climate Emergency: A Tale of two cities**

Too, J., Ejohwomu, O., Hui, F., Herath, N. & Duffield, C., 30 Jan 2024, In: *Heliyon*. 10, 2, 16 p., e24294.

### **Dynamic Scoring Model on Assess ESG Performances of Buildings**

Tao, Z., Baguley, P., Cheung, C. & Ejohwomu, O., 2024.

### **Improving the cost modelling of Environmental, Social and Governance using Artificial Intelligence**

Tao, Z., Baguley, P., Cheung, C. & Ejohwomu, O., 2024.

### **Modelling the relationship between digital twins implementation barriers and sustainability pillars: Insights from building and construction sector**

Kineber, A. F., Fazeli, A., Singh, A. K., Mohandes, S. R., Arashpour, M., Cheung, C., Ejohwomu, O. & Zayed, T., 1 Dec 2023, In: *Sustainable Cities and Society*. 99, 20 p., 104930.

### **Examining the mediating roles of social malaise and religious manipulations in corruption manifestations: the case of the construction sector**

Olugboyega, O., Ejohwomu, O. & Omopariola, E. D., 12 Oct 2023, In: *Engineering, Construction and Architectural Management*. p. 1-27 27 p.

### **BIM-A AND BIM-VR SYSTEMS FOR CONSTRUCTION WORKER'S SAFETY COGNITION DEVELOPMENT**

Olugboyega, O., Ejohwomu, O. & Omopariola, E. D., 4 Sept 2023, *Proceedings of the 39th Annual ARCOM Conference, 4-6 September 2023, University of Leeds, Leeds, UK*. p. 144-153 10 p.

### **Project Management Process Barriers Impacting the Delivery of Technology Transition: A Systematic Literature Review**

Bennett, E., Ejohwomu, O., Gale, A. & Saunders, F., 31 Aug 2023, p. 1-14. 14 p.

### **Intricacies and lifeline for the construction industry amidst the coronavirus pandemic**

Adekunle, S. A., Aigbavboa, C. O., Ejohwomu, O. A., Ogunbayo, B. F. & Ikuabe, M., 31 Jul 2023, *Construction Safety, Health and Well-being in the COVID-19 era*. Manu, P., Cheung, C., Yunusa-Kaltngo, A., Emuze, F., Saurin, T. A. & Hadikusmo, B. H. W. (eds.). Routledge, 15 p.

### **Project Leadership Functions and the Associated Behaviour for Projects and Project Organisations**

Olugboyega, O., Ejohwomu, O., Omopariola, E. D. & Omoregie, A., 10 Jul 2023, (E-pub ahead of print) In: *Buildings*. 13, 7, 18 p., 1739.

### **A Building Information Modelling Maturity Model for Developing Countries**

Adekunle, S. A., Aigbavboa, C., Ejohwomu, O., Thwala, W. D. & Mahamadu, A.-M., 7 Jul 2023, Routledge. 140 p.

### **Accelerating the delivery and exploitation of technical R&D projects: : the limitations of traditional project management process**

Bennett, E., Ejohwomu, O., Gale, A. & Saunders, F., 30 Jun 2023, p. 1-10. 10 p.

### **Project Leadership Functions and the Associated Behaviour for Projects and Project Organizations**

Olugboyega, O., Ejohwomu, O., Omopariola, E. D. & Omoregie, A., 8 Jun 2023

### **Temperature, Humidity and Air Pollution Relationships during a Period of Rainy and Dry Seasons in Lagos, West Africa**

Emekwuru, N. & Ejohwomu, O., 21 May 2023, In: *Climate*. 18 p., 113.

### **Sustainable Ready-Mixed Concrete (RMC) Production: A Case Study of Five RMC Plants in Nigeria**

Olugboyega, O., Ejohwomu, O., Omopariola, E. D. & Omoregie, A., 17 May 2023, In: *Sustainability*. p. 1 17 p., 8169.

### **How Can Decarbonisation Alternatives Be Prioritised to Achieve Carbon Neutrality in Building Projects?**

Too, J., Ejohwomu, O., Hui, F., Herath, N. & Duffield, C., 1 May 2023, *Structures Congress 2023: Selected Papers from the Structures Congress 2023*. Soules, J. G. (ed.). American Society of Civil Engineers, p. 247-261 15 p.

**Supply chain risk management for improving performance of low-carbon technological innovation in buildings**

Gong, Z., Ejohwomu, O., Aminian, E. & Abadi, M., 24 Apr 2023, (Accepted/In press) *Euroma 2023 conference*. Leuven: EurOMA, 11 p. 1622

**Fostering Digitalization of Construction Projects through Integration: A Conceptual Project Governance Model**

Liu, Z., Ding, R., Gong, Z. & Ejohwomu, O., 22 Mar 2023, In: *Buildings*.

**Understanding Safety of Construction Sites: Construction Site Workers' Experience**

Adekunle, S. A., Ikuabe, M., Aliu, J., Ogunbayo, B., Aigbavboa, C., Oyewo, W. O. & Ejohwomu, O., 20 Mar 2023, *Emerging Debates in the Construction Industry: The Developing Nations' Perspective*. Kissi, E., Aigbavboa, C. & Wellington Thwala, D. (eds.). Abingdon: Routledge, p. 292-306 15 p. (Routledge Research Collections for Construction in Developing Countries).

**The Effect of Pristine Graphene on the Mechanical Properties of Geopolymer Mortar**

Abiodun, O., Kabubo, C., Mutuku, R. & Ejohwomu, O., 16 Jan 2023, In: *Sustainability* (Switzerland). 15, 2, 1706.

**Using nudges to realize project performance management**

Bukoye, O. T., Ejohwomu, O., Roehrich, J. K. & Too, J., 1 Nov 2022, In: *International Journal of Project Management*. 40, 8, p. 886-905

**Implementing safety leading indicators in construction: Toward a proactive approach to safety management**

Xu, J., Cheung, C., Manu, P., Ejohwomu, O. & Too, J., 24 Sept 2022, In: *Safety Science*. 157

**Framework for standardising carbon neutrality in building projects**

Too, J., Ejohwomu, O., Bukoye, O. T., Hui, F., Duffield, C. & Edwards, D., 29 Aug 2022, In: *Journal of Cleaner Production*. 133858.

**Investigating the Factors Affecting SARS-COV-2 Transmission and Mortality Rate in Sub-Saharan Africa**

Ejohwomu, O., Al-Saffar, N., Adekunle, S. A., Oladokun, M., Too, J. & Aigbavboa, C., 19 Jul 2022, In: *Preprints*.

**Standardising the route to project handover to improve delivery of major building projects**

Too, J., Ejohwomu, O., Bukoye, O., Hui, F. & Oshodi, O., 7 Jul 2022, In: *International Journal of Business Performance Management*. 24, 2, p. 175-199 15 p.

**A Critical Review of Maturity Model Development in the Digitisation Era**

Adekunle, S. A., Aigbavboa, C., Ejohwomu, O., Ikuabe, M. & Ogunbayo, B., 20 Jun 2022, In: *Buildings*. 12, 6, 858.

**Understanding the BIM actor role: A study of employer and employee preference and availability in the construction industry**

Adekunle, S. A., Aigbavboa, C. & Ejohwomu, O., 14 Jun 2022, In: *Engineering Construction and Architectural Management*.

**LEADERSOFTOMORROW: STATUSAND OUTLOOK OF BIM IMPLEMENTATION AMONG YOUNG QUANTITY SURVEYORS**

Adekunle, S. A., Aigbavboa, C., Ejohwomu, O., Aliu, J. & Thwala, W. D., 13 Jun 2022, *Proceedings of International Structural Engineering and Construction*.

**Applications of Industry 4.0 Digital Technologies Towards a Construction Circular Economy: Thematic, Gap Analysis and Conceptual Framework**

Elghaish, F., Matarneh, S., Edwards, D., Rahimian, F. P., El-Gohary, H. & Ejohwomu, O., 8 Jun 2022, In: *Construction Innovation: Information Process Management*.

### **Use of nudges across project lifecycle: approach to building project resilience**

Bukoye, O. T., Roehrich, J. K., Ejohwomu, O. & Too, J., 9 May 2022, (Accepted/In press) *29th EurOMA Conference*. p. 1-10 10 p.

### **The exposure of workers at a busy road node to PM<sub>2.5</sub>: occupational risk characterisation and mitigation measures**

Ejohwomu, O. (Lead), Oladokun, M., Oshodi, O., Bukoye, O., Edwards, D., Emekwuru, N., Adenuga, O., Sotunbo, A., Uduku, O., Balogun, M. & Alani, R., 12 Apr 2022, In: *International Journal of Environmental Research and Public Health*. 19, 8, 18 p., 4636.

### **Modelling and Forecasting Temporal Pm2.5 Concentration Using Ensemble Machine Learning Methods**

Ejohwomu, O., Oshodi, O., Oladokun, M., Bukoye, T., Emekwuru, N., Sotunbo, A. & Adenuga, O., 4 Jan 2022, In: *Buildings*. 12, 1, 46.

### **Sustainability challenges and enablers in resource recovery industries: A systematic review of the ship-recycling studies and future directions**

Dey, A., Ejohwomu, O. & Chan, P. W., 20 Dec 2021, In: *Journal of Cleaner Production*. 329, 129787.

### **DIGITAL TRANSFORMATION IN THE CONSTRUCTION INDUSTRY: A BIBLIOMETRIC REVIEW**

Adekunle, S. A., Aigbavboa, C., Ejohwomu, O. & Thwala, W. D., 17 Dec 2021, In: *Journal of Engineering, Design and Technology*. 39 p.

### **Why standardize carbon neutrality in delivery of complex projects?**

Too, J., Ejohwomu, O., Hui, F. & Duffield, C., 6 Dec 2021, *International Conference on Sustainable Infrastructure (ICSI 2021)*. American Society of Civil Engineers, p. 29 30 p.

### **Construction and Fourth Industrial Revolution: Issues and Strategies**

Ejohwomu, O., Adekunle, S. A. & Bukoye, T., 1 Dec 2021, *The Construction Industry: Global Trends, Job Burnout and Safety Issues*. Nova Science Publishers

### **Key constraints to optimal BIM penetration among Nigerian Quantity surveyors**

Adekunle, S. A., Aigbavboa, C., Ejohwomu, O., Thwala, W. D. & Efiannayi, N., 10 Nov 2021, *Construction Management 50th Anniversary Conference*. . No publisher name

### **Identification of Health and Safety prequalification criteria for contractor selection in construction projects: A systematic review**

Abdul Razak, N. (Lead), Ejohwomu, O., Fenn, F., Okedara, K., Dosumu, B. & Muhammad-Sukki, F., 3 Nov 2021, In: *Energies*. 14, 21, 7244.

### **Safety leading indicators in construction: a systematic review**

Xu, J., Cheung, C., Manu, P. & Ejohwomu, O., 1 Jul 2021, In: *Safety Science*. 139, 105250, p. 1-16 16 p., 105250.

### **A Systematic Review on Development of a Project Cost Estimation Framework: A Case Study of Nigeria**

Dosumu, B., Ejohwomu, O. & Yunusa-Kaltungo, A., 24 Jun 2021, *Proceedings of the Construction Business and Project Management Conference Cape Town, South Africa, 24 – 25 June, 2021*. Windapo, A., Aiyetan, A., Umeokafor, N., Okoro, C., Adediran, A. & Mtya, A. (eds.). p. 137 147 p.

### **Building Information Modelling Diffusion Research in Developing Countries: A User meta-model approach**

Adeniyi Adekunle , S., Ejohwomu, O. & Aigbavboa , C. O., 22 Jun 2021, In: *Buildings*.

### **A Case Study of a Negotiated Tender within a Small-to-Medium Construction Contractor: Modelling Project Cost Variance**

Ellis, J., Edwards, D., Thwala, W. D., Ejohwomu, O., Ameyaw, E. E. & Shelbourn, M., 18 Jun 2021, In: *Buildings*. 11, 6, p. 1-30 30 p., 260.

### **SYSTEMATIC ANALYSIS OF DRIVERLESS TECHNOLOGIES**

Edwards, D. J., Rillie, I., Akhtar, J., Chileshe, N., Lai, J., Roberts, C. & Ejohwomu, O., 15 Jun 2021, In: *Journal of Engineering, Design and Technology*. 31 p.

**Evidencing the benefits of Industry 4.0 for the Architecture, Engineering and Construction (AEC) Industry: Promises, practices and unresolved problems**

Ejohwomu, O., Chan, P. & Lu, Y., 17 Apr 2021, (Accepted/In press) In: Engineering, Construction and Architectural Management.

**A resilient approach to modelling the supply and demand of platelets in the United Kingdom Blood supply chain**

Ejohwomu, O., Too, J. & Edwards, D., 1 Mar 2021, In: International Journal of Management Science and Engineering Management. 16, 2, p. 143-150 8 p.

**BIM Implementation: Articulating the Hurdles in Developing Countries**

Adekunle, S. A., Aigbavboa, C. & Ejohwomu, O., 7 Dec 2020, *Proceedings of the 8th International Conference on Innovative Production and Construction (IPC 2020): The Hong Kong University of Science and Technology*. p. 47-54 8 p.

**Hand-Arm Vibration Management: An Operational Health and Safety Strategy Framework**

Edwards, D., Martek, I., Ejohwomu, O., Aigbavboa, C. & Hosseini, R. M., 25 Nov 2020, (E-pub ahead of print) In: International Journal of Building Pathology and Adaptation. p. 1-32 32 p.

**Safety Leading Indicators Final Report (Phase 1)**

Cheung, C., Xu, J., Manu, P. & Ejohwomu, O., Oct 2020, Health and Safety Executive. 49 p.

**Safety Pre-qualification Criteria for Contractor Selection in Construction Projects: A Systematic Review**

Razak, N. A., Ejohwomu, O., Fenn, P., Okedara, K., Dosumu, B. & Muhammad-Sukki, F., 7 Sept 2020, *ARCOM 2020 Conference*. Association of Researchers in Construction Management

**Implementing safety leading indicators in construction: insights on relative importance of indicators**

Cheung, C., Manu, P., Xu, J., Ejohwomu, O. & Freitas, A., Sept 2020, *CIB WO99 & TG59 International Web-Conference 2020: Good Health, Wellbeing & Decent Work*. p. 26

**IMPROVING CONSTRUCTION PROJECT PERFORMANCE IN DEVELOPING COUNTRIES: CONTRACTOR APPROACH**

Adekunle, S. A., Aigbavboa, C. & Ejohwomu, O., 1 Jul 2020, *Proceedings of International Structural Engineering and Construction*. Vacanas, Y., Danezis, C., Singh, A. & Yazdani, S. (eds.).

**Can we use these masks? Rapid Assessment of the Inhalation Resistance Performance of Uncertified Medical Face Masks in the Context of Restricted Resources Imposed during a Public Health Emergency**

Begg, S., Emekwuru, N. G., Miche, N., Whitney, B. & Ejohwomu, O., 19 May 2020, In: medRxiv. p. 1-13 13 p.

**Can Projects be Processual? A Perspective from Ethics in Stakeholder Engagement for Project Sustainability**

Okedara, K., Ejohwomu, O. & Collinge, W., 12 May 2020, (Accepted/In press) *The British Academy of Management (BAM) Conference*.

**Social value for whom, by whom and when? Managing stakeholder dynamics in a UK megaproject**

Mulholland, C., Chan, P., Canning, K. & Ejohwomu, O., 13 Jan 2020, In: Proceedings of Institution of Civil Engineers: Management, Procurement and Law. 173, 2, p. 75-86 12 p.

**Evidence-Based Scope For Reducing 'Fire-Fighting' In Project Management: The Global South Experience**

Ejohwomu, O., Adekunle, S. A. & Aigbavboa, C., 29 Nov 2019, *Proceedings of the 24th International Symposium on Advancement of Construction Management and Real Estate*. Ye, G., Yuan, H. & Zuo, J. (eds.). 1 ed. Springer Singapore

**Challenges of Identity work in Africa's Temporary Organisations: Developing Tsenay Serequeberhan's horizons**

Ejohwomu, O. & Igwilo, M., 3 Sept 2019, *British Academy of Management*.

**Ethics in Stakeholder Engagement for Successful and Sustainable Project, Business and Organizational Management**  
Okedara, K., Chan, P., Collinge, W. & Ejohwomu, O., 3 Sept 2019.

**Ethics and Stakeholder Engagement for Industry/Construction 4.0: A Systematic Review**

Okedara, K., Ejohwomu, O. & Chan, P., 10 Aug 2019, *The Construction Industry in the Fourth Industrial Revolution: Proceedings of 11th Construction Industry Development Board (CIDB) Postgraduate Research Conference*.

**Spatial-temporal dynamics of social value: Lessons learnt from two UK nuclear decommissioning case studies**

Mulholland, C., Ejohwomu, O. & Chan, P. W., 17 Jul 2019, In: *Journal of Cleaner Production*. 237, 0, 117677.

**Re-purposing Summative Assessment as Formative: A Reflective Guide to Facilitating Deep Learning**

Ejohwomu, O., 30 Jun 2019, (Accepted/In press) *Claiming Identity Through Redefined Teaching in Construction Programs*. Mostafa, S. & Rahnamayiezekavat, P. (eds.). IGI Press

**Learning from Failures (LFF): A multilevel conceptual model for changing safety in the Nigerian Construction Industry**

Cheung, C., Yunusa-Kaltungo, A., Ejohwomu, O. & Peihua Zhang, R., 15 May 2019, *Construction Health and Safety in Developing Countries*. 1st ed. London: Taylor & Francis

**Relationship between standard(s) and performance of innovative projects: A systematic review**

Dey, A., Chan, P. & Ejohwomu, O., 14 May 2019, (Accepted/In press) *British Academy of Management*.

**RULES AND VIOLATIONS IN BUYING AND SELLING: RETHINKING BENEFITS MANAGEMENT AND CONTROL PRACTICES**

Adekoya, I., Ejohwomu, O. & Fenn, P., 3 Sept 2018, *ARCOM 2018 Conference, Belfast, UK, 3-5 September 2018*. . Association of Researchers in Construction Management, p. 236 244 p.

**THE PROBLEM OF DEMAND IN AFFORDABLE HOUSING**

Opiyo, N., Chan, P. & Ejohwomu, O., 3 Sept 2018, *ARCOM 2018 Conference, Belfast, UK*. Gorse, C. & Nelson, C. J. (eds.). ARCOM, p. 111 120 p.

**Infrastructure Development and Public Private Partnership in Nigeria: Lessons from current Practice**

Okhade, N. I. & Ejohwomu, O., 28 Mar 2018, *International Conference on Infrastructure Development in Africa*. Ejohwomu, O. A. (ed.). International Conference on Infrastructure Development in Africa, p. 303-320 18 p.

**Comparing univariate techniques for tender price index forecasting: Box-Jenkins and neural network model**

Oshodi, O. S., Ejohwomu, O. A., Famakin, I. O. & Cortez, P., 21 Sept 2017, In: *Construction Economics and Building*. 17, 3, p. 109-123 15 p.

**A Hermeneutical Analysis of Brutalism, Equity and Diversity in Innovative Construction**

Ejohwomu, O. & Igwilo, M., 4 Sept 2017, *The Association of Researchers in Construction Management: Procs 33rd Annual ARCOM Conference, 4-6 September 2017, Cambridge 2017, UK, Association of Researchers in Construction Management*. Chan, P. (ed.).

**Organizational Safety Commitment of Top U.S. Construction Firms**

Shofoluwe, M. A., Ejohwomu, O., Ofori-Boadu, A. & Adewolu, A., 1 Aug 2017, In: *The American Professional Constructor*. 42, 02, p. 15 25 p., Volume 42 | Number 02.

**Nigeria's construction industry: barriers to effective communication**

Ejohwomu, O., Oshodi, O. & lam, K. C., 13 Jun 2017, In: *Engineering Construction and Architectural Management*. 24, 4, 71 p.

**Developmental programmes and policies: a logic model approach**

Ejohwomu, O., Onifade, M. & Adeoye, A., 1 Dec 2016, In: *Journal of Construction Project Management and Innovation*. 6, 2, p. 1429-1446 18 p., 2.

**Knowledge Economy: A Panacea for Sustainable Development in Nigeria.**

Ogundeinde, A. (Lead) & Ejohwomu, O., Dec 2016, In: *Procedia Engineering*. 145, p. 790-795

**Causes of Conflicts in Construction Projects in Nigeria: Consultant's Perspective**

Ejohwomu, O., Oshodi, O. S. & Onifade, M. K., 1 Apr 2016, In: *Nigerian Journal of Technology*. 35, 2, p. 270-277 7 p., 2.

**Identifying the critical causes of conflict in construction projects in Nigeria**

Ejohwomu, O., Oshodi, O. S. & Onifade, M. K., 1 Jan 2016, In: *Nigerian Journal of Technology*. 35, 2, p. 290-296 6 p.

**A review of construction management and economics research outputs in Nigeria: towards a sustainable future**

Ejohwomu, O. & Oshodi, O. S., 1 Jun 2014, In: *Journal of Construction Project Management and Innovation*. 4, Supplement 1, p. 900-905 6 p.

**Built Environment Research Outputs on Sustainable Development in Nigeria: A Call for Paradigm Shift**

Ejohwomu, O. & Oshodi, O. S., 17 Mar 2014, *3rd International Conference on Infrastructure Development in Africa (ICIDA) 2014*. Ejohwomu, O. & Oshodi, O. S. (eds.). p. 440 445 p.

**The Role of Non Governmental Organisations (NGOs) in the Development of Sustainable Infrastructure in Nigeria**

Alagbe, T. O. & Ejohwomu, O., 17 Mar 2014, *3rd International Conference on Infrastructure Development in Africa (ICIDA) 2014*. Ejohwomu, O. & Oshodi, O. S. (eds.). Bells University of Technology, College of Environmental Sciences, p. 192 202 p.

**Effects of Steel Slag Addition on the Plasticity, Strength, and Permeability of Lateritic Soil**

Akinwumi, I., Adeyeri, J. B. & Ejohwomu, O., 8 Jan 2013, *American Society of Civil Engineers: International Conference on Sustainable Design, Engineering, and Construction 2012*.

**The impact of multiskilling on UK's construction manpower**

Ejohwomu, O. (Lead), Olomolaiye, P. & Proverbs, D., Feb 2008, In: *Institution of Civil Engineers. Proceedings. Management, Procurement and Law*. 161, 1, p. 25-30

**The UK construction industry: a review of black country skills demand**

Ejohwomu, O., Proverbs, D. & Olomolaiye, P., 3 Sept 2007, *Procs 23rd Annual ARCOM Conference, 3-5 September 2007, Belfast, UK, Association of Researchers in Construction Management*. Boyd, D. (ed.). p. 419-428 10 p.

**Multiskilling: A UK construction and building services perspective**

Ejohwomu, O., Proverbs, D. G. & Olomolaiye, P., 1 Sept 2006, *Twenty-second annual conference 2006, September 4-6, UCE, Birmingham*. Boyd, D. (ed.). Reading: ARCOM, p. 885-894 10 p.

**Predicting the demand for construction manpower in the UK**

Ejohwomu, O. A., Proverbs, D. G. & Olomolaiye, P., 6 Apr 2006, *6th International Conference of Postgraduate Research in Built and Human Environment*. Salford, UK: University of Salford, p. 151-161 11 p.

**A conceptual demand led model founded on theories of labour market mismatch for the construction and building services industry.**

Ejohwomu, O., Proverbs, D. G. & Olomolaiye, P., Sept 2005, *Proceedings of the 21st ARCOM Annual Conference*. p. 3-12 10 p.

**Modelling the supply and demand for construction and building services in the Black Country**

Ejohwomu, O. A., Proverbs, D. G. & Olomolaiye, P., 1 Jan 2005, *5th International Postgraduate Research Conference in the Built and Human Environment*. Salford, p. 116-123 8 p.

## Activities

### **Building and Environment (Journal)**

Ejohwomu, O. (Assistant editor)  
5 Dec 2025 → ...

### **EurOMA Conference 2025**

Ejohwomu, O. (Chair)  
13 Jun 2025 → 18 Jun 2025

### **International Summit On Climate Change/Air Pollution**

Ejohwomu, O. (Chair)  
24 Apr 2025

### **Frontiers in Built Environment (Journal)**

Adekunle, S. A. (Guest editor), Ejohwomu, O. (Guest editor), Aigbavboa, C. (Guest editor) & Kissi, E. (Guest editor)  
17 Nov 2024 → 7 Mar 2025

### **Digital Supply Chain Management**

Ejohwomu, O. (Speaker)  
28 Oct 2024 → 1 Oct 2026

### **Embedding Social Value in Engineering Procurement: Education, Contracts, and Delivery**

Ejohwomu, O. (Speaker)  
24 Sept 2024 → 26 Sept 2024

### **The funding conundrum: what is the true measure of success (or failure)?**

Ejohwomu, O. (Speaker)  
29 Sept 2023

### **Journal of Engineering, Design and Technology (Journal)**

Ejohwomu, O. (Assistant editor)  
8 Sept 2023

### **Architectural Engineering and Design Management (Journal)**

Ejohwomu, O. (Editor), Edwards, D. (Editor), Windapo, A. (Editor) & Hui, F. (Editor)  
25 Oct 2022 → 31 Oct 2023

### **Sustainability (Journal)**

Ejohwomu, O. (Guest editor)  
5 Sept 2022 → 29 Feb 2024

### **Frontiers in Built Environment (Journal)**

Ejohwomu, O. (Guest editor)  
1 Aug 2022 → 22 Dec 2024

### **Lead Keynote Speaker- 12th cidb Postgraduate Research Conference, East London, South Africa**

Ejohwomu, O. (Speaker)  
10 Jul 2022

### **Buildings (Journal)**

Ejohwomu, O. (Associate editor)  
17 Apr 2022

**Annual Manchester - Africa Business Forum** scheduled to take place on Thu, 24 March 2022 between 13:00 - 16:00 GMT.  
Ejohwomu, O. (Speaker)  
24 Mar 2022

**Air pollution and health burden: unmasking plant and equipment emissions in the built environment**  
Ejohwomu, O. (Speaker)  
21 Oct 2021

**Emerald Publishing Limited (Publisher)**  
Ejohwomu, O. (Member of editorial board)  
30 Jun 2021 → 30 Jun 2023

**Buildings (Journal)**  
Ejohwomu, O. (Assistant editor)  
14 Apr 2021 → 30 Jun 2022

**Engineering Construction and Architectural Management (Journal)**  
Ejohwomu, O. (Editor in chief)  
1 Jan 2020 → 1 Apr 2021

**1.Spatial Dynamics of Social Value and Its Implication for the Nigeria Public Procurement (Amendment) Act 2016.**  
Ejohwomu, O. (Speaker)  
4 Oct 2019

**7th INTERNATIONAL CONFERENCE ON INFRASTRUCTURE DEVELOPMENT IN AFRICA | ICIDA 2018 (Event)**  
Ejohwomu, O. (Editor)  
31 Mar 2018

**7th INTERNATIONAL CONFERENCE ON INFRASTRUCTURE DEVELOPMENT IN AFRICA | ICIDA 2018**  
Ejohwomu, O. (Chair)  
28 Mar 2018

**3RD INTERNATIONAL CONFERENCE ON INFRASTRUCTURE DEVELOPMENT IN AFRICA (ICIDA) 2014**  
Ejohwomu, O. (Chair)  
1 Mar 2014

## **Prizes**

**2019 Taylor & Francis Book and Digital Product Award in the Outstanding Monograph Category**  
Manu, P. (Recipient), Cheung, C. (Recipient), Yunusa-Kaltungo, A. (Recipient) & Ejohwomu, O. (Recipient), 19 Jun 2020

**Best Paper Award**  
Abiodun, O. (Recipient), Abadi, M. (Recipient), Ejohwomu, O. (Recipient) & Manu, P. (Recipient), 29 Aug 2023

**Best Paper Award**  
Ejohwomu, O. (Recipient), 15 Nov 2021

**Faculty of Engineering and Information Technology (FEIT) Visiting Fellow, University of Melbourne, Australia**  
Ejohwomu, O. (Recipient), 23 Sept 2024

**High-Impact Research Award**  
Ejohwomu, O. (Recipient), 27 Nov 2025

**Microscoping Carbon Footprint and Standardising Carbon Emission in Africa**  
Ejohwomu, O. (Recipient), 8 Feb 2023

**Notable Contribution to the fight against COVID-19 pandemic**  
Ejohwomu, O. (Recipient), 22 Jun 2022

**Outstanding contribution to environmental sustainability**  
Ejohwomu, O. (Recipient), 22 Jun 2022

**Outstanding Reviewer in the 2021 Emerald Literati Awards**  
Ejohwomu, O. (Recipient), 1 Dec 2021

**Project Management Education Award at 2024 IEOM Awards Sydney, Australia – September 26, 2024**  
Ejohwomu, O. (Recipient), 26 Sept 2024

**Teaching Excellence Awards 2021**  
Ejohwomu, O. (Recipient), 16 Sept 2021

**The 4Es of carbon-neutral buildings: A standardised approach**  
Ejohwomu, O. (Recipient), 17 Feb 2023

**The RISE Award 2024 for Education and Training**  
Ejohwomu, O. (Recipient), 29 Aug 2024

## **Press/Media**

**Building sector must be more aware of whole-life carbon**  
Ejohwomu, O.  
24/08/23  
1 item of Media coverage

**Built on sand: the need for new environmental standards in the construction industry**  
Ejohwomu, O.  
2/08/23  
1 Media contribution

**Construction industry must address whole-life CO2 emissions in buildings, warn academics**  
Ejohwomu, O.  
22/08/13  
1 item of Media coverage

**EarthSense Zephyr® Sensor Deployed in Nigeria to Launch Air Quality Monitoring in Low Resource Areas**  
Ejohwomu, O.  
6/10/20  
1 Media contribution

**Experts demand urgent action on air pollution in Nigeria**  
Ejohwomu, O.  
25/04/25  
1 item of Media coverage

**How can the construction industry progress towards net-zero amid challenges?**  
Too, J. & Ejohwomu, O.  
13/11/23

1 Media contribution

### **Investigating the impact of air pollution on chronic disease in people living with HIV**

Ejohwomu, O.

14/04/25

1 Media contribution

### **Nigerian scholar receives international recognition over research on blood platelets/**

Ejohwomu, O.

25/03/21

1 item of Media coverage

### **Project Management in action: rapid PPE testing during the Covid-19 crisis**

Ejohwomu, O.

20/05/20

1 Media contribution

### **Researchers say respiratory, cardiovascular diseases, main causes of hospitalization in Lagos**

Ejohwomu, O.

4/09/22

1 item of Media coverage

### **The buzz podcast: Covid-19 FSE report**

Ejohwomu, O.

4/06/20

1 item of Media coverage

### **University academic praised after helping test PPE equipment for key workers**

Ejohwomu, O.

15/05/20

1 item of Media coverage

## **Awards**

## **Projects**

### **Hydrogen Research Corridor**

Holmes, S. (Researcher), Azapagic, A. (Researcher), Atas, A. (Researcher), Walton, A. (Researcher), Smith, A. (Researcher), Larkin, A. (Researcher), Lea-Langton, A. (Researcher), Keshmiri, A. (Researcher), Geim, A. (Researcher), Forsyth, A. (Researcher), Mcmeekin, A. (Researcher), Welfle, A. (Researcher), Jivkov, A. (Researcher), Frankowska, A. (Researcher), Green, A. (Researcher), Garforth, A. (Researcher), Connolly, B. (Researcher), McLachlan, C. (Researcher), D'Agostino, C. (Researcher), Hollis, C. (Researcher), Abeykoon, C. (Researcher), Hardacre, C. (Researcher), De Leeuwe, C. (Researcher), Jones, C. (Researcher), Whitehead, C. (Researcher), Gough, C. (Researcher), Lewis, D. (Researcher), Clery, D. (Researcher), Engelberg, D. (Researcher), Martinez-Cesena, E. (Researcher), Rutter, E. (Researcher), Scenini, F. (Researcher), Siperstein, F. (Researcher), Livens, F. (Researcher), Currell, F. (Researcher), Holland, G. (Researcher), Butler, G. (Researcher), Ivan De Loureiro Pereira, G. (Researcher), Coe, H. (Researcher), Chernyavsky, I. (Researcher), Kuriakose, J. (Researcher), Evans, J. (Researcher), Lloyd, J. (Researcher), Apsley, J. (Researcher), Harou, J. (Researcher), Moore, K. (Researcher), Taylor, K. (Researcher), Li, K. (Researcher), Stamford, L. (Researcher), Sarkisov, L. (Researcher), Li, L. (Researcher), Ma, L. (Researcher), Huuse, M. (Researcher), Lozada Hidalgo, M. (Researcher), Perez-Page, M. (Researcher), Attfield, M. (Researcher), Schröder, M. (Researcher), Babaei, M. (Researcher), Iacchetti, M. (Researcher), Hodson, M. (Researcher), Freer, M. (Researcher), Bassil, N. (Researcher), Zhang, N. (Researcher), Bourne, N. (Researcher), Turner, N. (Researcher), Scrutton, N. (Researcher), Kaltsoyannis, N. (Researcher), Ejohwomu, O. (Researcher), Dewick, P. (Researcher), Jarman, P. (Researcher), Budd, P. (Researcher), Martin, P. (Researcher), Boya, R. (Researcher), Raveendran Nair, R. (Researcher), Bellamy, R. (Researcher), Dryfe, R. (Researcher), Smith, A. (Researcher), Haigh, S. (Researcher), Lindley, S. (Researcher), Chansai, S. (Researcher), MacGregor, S. (Researcher), Yang, S. (Researcher), Nixon, S. (Researcher), Bouzarovski, S. (Researcher), Abbas, S. Z. (Researcher), Joekar-Niasar, V. (Researcher), Spallina, V. (Researcher), Flavell, W. (Researcher), Bodel, W. (Researcher) & Fan, X. (Researcher)

## **Impacts**

**Revealing the societal value of quality urban air monitoring in low resource environments**

Ejohwomu, O. (Participant)