

Table of Contents

Building Information Modeling (BIM) Implementation Strategies for Sustainable Infrastructure in Africa: The Case of Ethiopia.....	8
Co-Carbonisation of Biomass-Plastic Wastes in an Integrated Thermochemical Process.....	17
Save Disposal of Wastewater in Irrigation and its Effect on Soil Properties under Khartoum Conditions.....	25
Assessment of Accessibility and Disability Planning in Nigerian Construction Industry.....	31
Effect of Sulphate Attack on the Strength of Cement Brands Blended with Cassava Peel Ash.....	39
Integrated Management of Industrial Wastewater Treatment and its Reuse Options for Sustainable Developments A Green Technology Concept.....	45
Methodology for Sustainable Development of Eco and Zero Carbon Cities.....	53
An Overview of the Recent Developed MSDES Software used in Distributed Microstrip Circuit Design.....	62

- [17] G. Ngowtanasawan, "A Causal Model of BIM Adoption in the Thai Architectural and Engineering Design Industry," *Procedia Eng.*, vol. 180, pp. 793–803, 2017, doi: 10.1016/j.proeng.2017.04.240.
- [18] P. Ma, S. Zhang, Y. Hua, and J. Zhang, "Behavioral Perspective on BIM Postadoption in Construction Organizations," *J. Manag. Eng.*, vol. 36, no. 1, pp. 1–13, 2020, doi: 10.1061/(ASCE)ME.1943-5479.0000729.
- [19] U. S. Abdulmumin, M. A. Idi, I. M. Ibrahim, and A. A. Muhammad, "Awareness Level of Building Information Modelling Tools to Construction Consultants in Abuja , Nigeria," vol. IX, no. I, pp. 72–77, 2020.
- [20] T. O. Olawumi and D. W. M. Chan, "Development of a Benchmarking Model For BIM Implementation in Developing Countries," *Benchmarking An Int. J.*, vol. 26, no. 4, pp. 1210–1232, 2019, doi: 10.1108/BIJ-05-2018-0138.
- [21] Y. Zhou, Y. Yang, and J. Bin Yang, "Barriers to BIM implementation strategies in China," *Eng. Constr. Archit. Manag.*, vol. 26, no. 3, pp. 554–574, 2019, doi: 10.1108/ECAM-04-2018-0158.
- [22] O. Aljobaly and A. Banawi, *Evaluation of the Saudi Construction Industry for Adoption of Building Information Modelling*, vol. 965. Springer International Publishing, 2020. doi: 10.1007/978-3-030-20454-9_49.
- [23] Y. Chen, H. Dib, R. F. Cox, M. Shaurette, and M. Vorvoreanu, "Structural Equation Model of Building Information Modeling Maturity," *Eng. Constr. Archit. Manag.*, vol. 142, no. 3, 2016, doi: 10.1061/(ASCE)CO.1943-7862.0001147.
- [24] L. Liao and E. Ai Lin Teo, "Organizational Change Perspective on People Management in BIM Implementation in Building Projects," *J. Manag. Eng.*, vol. 34, no. 3, p. 04018008, 2018, doi: 10.1061/(asce)me.1943-5479.0000604.
- [25] N. A. A. Ismail, M. Chiozzi, and R. Drogemuller, "An Overview of BIM Uptake in Asian Developing Countries," 2017. doi: 10.1063/1.5011596.
- [26] Y. H. Ahn, Y. H. Kwak, and S. J. Suk, "Contractors' Transformation Strategies for Adopting Building Information Modeling," *J. Manag. Eng.*, vol. 32, no. 1, 2016, doi: 10.1061/(ASCE)ME.1943-5479.0000390.
- [27] A. Hayter, *Probability and Statistics for Engineers and Scientists*, 4th ed. University of Denver, 2012.
- [28] M. Hamma-adama, T. Kouider, and H. Salman, "State of Building Information Modelling (BIM) Adoption in Nigeria," 2018.
- [29] F. Assefa, "The Impact of BIM Technology in the Ethiopia Construction Industry," 2019.
- [30] P. M. Bosch-Sijtsema, P. Gluch, and A. A. Sezer, "Professional Development of the BIM Actor Role," *Autom. Constr.*, vol. 97, no. October 2018, pp. 44–51, 2019, doi: 10.1016/j.autcon.2018.10.024.
- [31] R. Morlhon, R. Pellerin, and M. Bourgault, "Building Information Modeling implementation through maturity evaluation and Critical Success Factors management," *Procedia Technol.*, vol. 16, pp. 1126–1134, 2014, doi: 10.1016/j.protcy.2014.10.127.