

REFERENCES

- Al-Hajj, A., & Horner, M. (1998). Modelling the running costs of buildings. *Construction Management and Economics*, 16(4), 459-470. doi: 10.1080/014461998372231
- Ali, A. S., & Kamaruzzaman, S. N. (2010). Cost performance for building construction projects in Klang Valley. *Journal of Building Performance*, 1(1).
- Ali, A., Kamaruzzaman, S., Sulaiman, R., & Cheong Peng, Y. (2010). Factors affecting housing maintenance cost in Malaysia. *Journal of Facilities Management*, 8(4), 285-298. doi: 10.1108/14725961011078990
- Ali, A. S. (2009). Cost decision making in building maintenance practice in Malaysia. *Journal of Facilities Management*, 7(4), 298-306. doi: 10.1108/14725960910990044
- Al-Juwairah, Y. A. (1997). *Factors affecting construction costs in Saudi Arabia*. (Doctoral dissertation, King Fahd University of Petroleum and Minerals). Retrieved from <https://eprints.kfupm.edu.sa/id/eprint/10044/1/10044.pdf>
- Al-Khatam, J. A. (2003). Buildings Maintenance Cost. Master of Engineering Report (CEM-600). *Construction Engineering and Management*, KFUPM, Dhahran, Saudi Arabia.
- Altunisik, R., Coskun, R., Bayraktaroglu, S., & Yildirim, E. (2004). *Research methods in social sciences*. Sakarya: Sakarya Bookstore.
- Anghelache, C., Marinescu, R. T., Gheorghe, M., Bichir, V., & Nan, S. (2011). The Laspeyres and Paasche Indices Used in Economic and Financial Analysis. In *Proceedings of the International Symposium, Economic-Financial Crisis and the Emergency of the Reform*, Artifex University of Bucharest.
- Ashworth, A. (1996). Estimating the Life Expectancy of Building Components in Life Cycle Costing Calculations. *Structural Survey*, 14(2), 4-8.
- Ashworth, A. (2004). *Cost studies of buildings* (ed.). Essex: Pearson Education Limited.
- Ashworth. (1994) *Cost Studies of Buildings*. London: Longman.
- Ayyad, T. M. (2011). The impact of building orientation, opening to wall ratio, aspect ratio and envelope materials on buildings energy consumption in the tropics. (Doctoral dissertation, The British University in Dubai (BUiD)). Retrieved from <https://bspace.buid.ac.ae/bitstream/1234/132/1/90055.pdf>
- Barrett, P., & Baldry, D. (2009). *Facilities management: Towards best practice*. John Wiley & Sons.

- Bartlett, J. E., Kotrlik, J. W. K. J. W., & Higgins, C. C. H. C. C. (2001). Organizational research: Determining appropriate sample size in survey research appropriate sample size in survey research. *Information Technology, Learning, and Performance Journal*, 19(1), 43.
- Bhattacharjee, A. (2012). *Social science research: Principles, methods, and practices*.
- Bishesh, B., & Banga. B. (2016). Special economic zones in India as a regional development stimulator. *Imperial Journal of Interdisciplinary Research (IJIR)*, 2(6), 1318-1322.
- Bors, D. (2018). *Data analysis for the social sciences: Integrating theory and practice*. Sage.
- Boussabaine, A. & Kirkham, R. (2005). *Whole Life-cycle Costing: Risk and Risk Responses*. Oxford, UK: Blackwell Publishing.
- Bromilow, F. J. & Pawsey, M. R. (1987). Life cycle cost of university buildings. *Construction Management and Economics*, 5(4), S3-S22.
- BSI. (2013). BS 8544:2013 Guide for life cycle costing of maintenance during the in-use phases of buildings. London, United Kingdom: BSI.
- BS-ISO. (2008). BS EN 15868-5:2008 Building and constructed asset – Service life planning; Part 5 – Life cycle costing. London; United Kingdom: BSI.
- BOMA. (2016), 2016 Office Experience Exchange Report. BOMA: Washington.
- Caplehorn, P. (2012). *Whole life costing: a new approach*. Routledge.
- Catalina, T., Virgone, J., & Iordache, V. (2011, November). Study on the impact of the building form on the energy consumption. In *Proceedings of building simulation*, (pp. 1726-1729).
- Leeuwen G. V. (February 1995). A Hedonic Approach to Output Indices for Construction. Voorburg: CBSN.
- Chatterjee, S., & Hadi, A. S. (2012). *Regression analysis by example* (5th ed.). Retrieved from <http://pdf.th7.cn/download/files/1508/Regression%20Analysis%20by%20Example,%205th%20Edition.pdf>.
- Che-Ghani, N. Z., Myeda, N. E., & Ali, A. S. (2016). Operations and maintenance cost for stratified buildings: A critical review. In *MATEC Web of Conferences* (Vol. 66, pp. 00041). EDP Sciences.

- Chiurugwi, T., Udejaja, C., & Hogg, K. (2010). Exploration of Drivers and Barriers to Life Cycle Costing (LCC) in Construction Projects: Professional Quantity Surveying Assessment. In *Proceedings of the International Conference on Computing in Civil and Building Engineering*, University of Nottingham, UK.
- Churcher, D. (2008). A BSRIA Guide: Whole-Life Cycle Costing Analysis (BSRIA B6 5/2008). Berkshire, United Kingdom: BSRIA.
- Cohen, L., Manion, L., & Morrison, K. (2000). *Research methods in education* (5th ed.). London: Routledge Falmer.
- Cole, R. J., & Sterner, E. (2000). Reconciling Theory and Practice of Life-Cycle Costing. *Building Research and Information*, 28(5/6), 358-375.
- Collis, J., & Hussey, R. (2003). *Business Research*. Palgrave Macmillan: Basingstoke.
- Craft, R. C., & Leake, C. (2002). The Pareto principle in organizational decision making. *Management Decision*.
- Creswell, J. W. (2014). Research design: Qualitative, quantitative, and mixed methods approaches. Retrieved from <https://www.google.lk/url>.
- Dainty, A. (2007, July). A review and critique of construction management research methods. In *Proceedings of Construction Management and Economics 25th Anniversary Conference, University of Reading*, (pp. 1533-1543).
- Datta, P. P., & Roy, R. (2010). Cost modelling techniques for availability type service support contracts: a literature review and empirical study. *CIRP Journal of Manufacturing Science and Technology*, 3(2), 142-157.
- De Silva, N., Ranasinghe, M., & De Silva, C. (2012). Risk factors affecting building maintenance under tropical conditions. *Journal of Financial Management of Property and Construction*, 17(3), 235-252. doi: 10.1108/13664381211274353
- Dhillon, B. S. (2009). *Life cycle costing for engineers*. Crc Press.
- Dragos, D., & Neamtu, B. (2013). Sustainable Public Procurement: LCC in the New EU Directive Proposal. *European Procurement & Public Private Partnership*, 8(1), 1930.
- Durairaj, S. K., Ong, S. K., Nee, A. Y., & Tan, R. B. (2002). Evaluation of life cycle cost analysis methodologies. *Corporate Environmental Strategy*, 9(1), 30-39.
- Easterby-Smith, M., Thorpe, R., & Jackson, P. (2002). *Management research: An introduction* (2nd ed.). Retrieved from https://books.google.lk/books?id=EcziVa2192gC&printsec=frontcover&source=gbs_ge_summary_r&cad=0#v=onepage&q&f=false.

- El-Haram, M., & Horner, M. (2002). Factors affecting housing maintenance cost. *Journal of Quality in Maintenance Engineering*, 8(2), 115-123. doi: 10.1108/13552510210430008
- El-Haram, M. A., Marenjak, S., & Horner, M. W. (2002). Development of a Generic Framework for Collecting Whole Life Cost Data for the Building Industry. *Journal of Quality in Maintenance Engineering*, 8(2), 144-151.
- Eurostat (2013), *Handbook on Residential Property Prices Indices (RPPIs)*, Publications Office of the European Union: Luxembourg.
- Falk, R. F., & Miller, N. B. (1992). *A primer for soft modeling*. University of Akron Press.
- Faremi, O., Adenuga, O., Dada, M., & John, B. (2014). Factors Affecting Maintenance Cost of Institutional Buildings. In *Proceedings of the 9th Unilag Annual Research Conference and Fair*, University of Lagos, Nigeria.
- Fernandez, G. (2010). *Statistical data mining using SAS applications*. CRC press.
- Ferry, D. J., & Brandon, P. S. (1991). *Cost Planning of Buildings* (6th ed.), Chapters 14–19.
- Field, A. (2009). *Discovering statistics using SPSS:(and sex and drugs and rock'n'roll)*. Sage.
- Flanagan, R., & Jewel, C. (2005). *Whole life appraisal for construction*. Oxford: Blackwell Science.
- Geekiyanage, D., Ramachandra, T., & Rotimi, J. O. (2017). A Morphology-based Model for Forecasting Cooling Energy Demand of Condominium Buildings in Sri Lanka. In *Proceedings of the 33rd annual conference of Association of Researchers in Construction Management* (Vol. 289, p. 289).
- Gianola, D., de los Campos, G., González-Recio, O., Long, N., Okut, H., Rosa, G. J. M., ... & Wu, X. L. (2010, August). Statistical learning methods for genome-based analysis of quantitative traits. In *Proceedings of the 9th World Congress on Genetics Applied to Livestock Production* (Vol. 14, pp. 1-6).
- Glucha, P. & Baumann, H. (2004). The life cycle costing (LCC) approach: a conceptual discussion of its usefulness for environmental decision-making. *Building and Environment*, 39, 571-580.
- Göb, R., McCollin, C., & Ramalhoto, M. F. (2007). Ordinal methodology in the analysis of Likert scales. *Quality & Quantity*, 41(5), 601-626.
- Goh, B. H., & Sun, Y. (2016). The development of life-cycle costing for buildings. *Building Research & Information*, 44(3), 319-333.

- Goh, B. (2016). Designing a whole-life building cost index in Singapore. *Built Environment Project and Asset Management*, 6(2), 159-173. doi: 10.1108/bepam-09-2014-0045
- Green, A., & Bengé, D. P. (2014). *NRM 3: Order of Cost Estimating and Cost Planning for Building Maintenance Works*. UK: Royal Institution of Chartered Surveyors (RICS).
- Green, M. (2009). Issues paper: Digital modelling & the built environment. *Built Environ.* Digital Modelling Working Group Discussion paper Nov, Dept of Innovation, Industry, Science & Research, Australian Gov.
- Günaydın, H. M., & Doğan, S. Z. (2004). A neural network approach for early cost estimation of structural systems of buildings. *International Journal of Project Management*, 22(7), 595-602.
- Higham, A., Fortune, C., & James, H. (2015). Life cycle costing: evaluating its use in UK practice. *Structural Survey*, 33(1), 73-87. doi: 10.1108/ss-06-2014-0026
- Hourigan, N. (2012). *Improving the service provision of life cycle costing in Ireland's PQS offices*. (MSc. Advanced Construction Cost Management, DIT, Dublin).
- Huang, X. X., Newnes, L. B., & Parry, G. C. (2012). The adaptation of product cost estimation techniques to estimate the cost of service. *International Journal of Computer Integrated Manufacturing*, 25(4-5), 417-431.
- Hughes, W., Ancell, D., Gruneberg, S., & Hirst, L. (2004), Exposing the myth of the 1:5:200 ratio relating initial cost, maintenance and staffing costs of office buildings, in Khosrowshahi, F. (Ed.), In *Proceedings of the 20th Annual ARCOM Conference*, UK.
- Hunter K., Hari S., & Kelly J. (2005). A whole life costing input tool for surveyors in UK local government. *Structural Survey*, 23(5), 346-358(13).
- Ibrahim, A.D. (2007), "Effect of changes in layout shape on unit construction cost of residential buildings", *Samaru Journal of Information Studies*, Vol. 7 No. 1, pp. 24-31.
- ISO, B. (2017). 15686-5: 2017. Buildings and constructed assets. Service life planning. *Life-cycle costing*. BSI, 17.
- Ive, G. (2006). Re-examining the costs and value ratios of owning and occupying buildings. *Building research & information*, 34(3), 230-245.
- Jakobsen, J. C., Wetterslev, J., Winkel, P., Lange, T., & Gluud, C. (2014). Thresholds for statistical and clinical significance in systematic reviews with meta-analytic methods. *BMC medical research methodology*, 14(1), 120.

- Johnson, J. W. (2001). Determining the relative importance of predictors in multiple regression: Practical applications of relative weights. *Child Development*, 59, 969-992.
- Kantardzic, M. (2011). *Data mining: concepts, models, methods, and algorithms*. John Wiley & Sons.
- Kehily, D. (2010), *Guide to Life Cycle Costing*, Society of Chartered Surveyors, Ireland, Dublin, available at: <http://www.scsi.ie> (accessed 6 August 2016).
- Kelly, J., & Hunter, K. (2009). *Life cycle costing sustainable design*. Coventry; United Kingdom: RICS.
- Kerama, N.S. (2013). *Factors affecting housing maintenance management cost in Kakamega municipality, Kenya*. (Thesis (PgDip), The University of Nairobi, Nairobi). Retrieved from shorturl.at/ktCFQ
- Kirkham, R. (2014). *Ferry and brandon's cost planning of buildings*. John Wiley & Sons.
- Kirkham, R. J. (2005). Re-engineering the Whole Life Cycle Costing Process. *Construction Management and Economics*, 23(1), 9-14.
- Kirkham, R. J. (2012). *Ferry and Brandon's Cost Planning of Buildings* (8th ed.). Oxford: United Kingdom: Blackwell Publishing.
- Kirkham, R. J., Boussabaine, A. H., & Awwad, B. H. (2002). Probability distributions of facilities management costs for whole life cycle costing in acute care NHS hospital buildings. *Construction Management & Economics*, 20(3), 251-261.
- Kirkham, R. J., Boussabaine, A. H., Grew, R. G., & Sinclair, S. P. (1999). Forecasting the running costs of sport and leisure centres. In *Proceedings of the Eighth International Conference on Durability of Building Materials and Components*, 8 dbmc (pp. 1728-1738).
- Korpi, E., & Ala-Risku, T. (2008). Life cycle costing: a review of published case studies. *Managerial Auditing Journal*, 23(3), 240-261. doi: 10.1108/02686900810857703
- Krem, M. (2012). *Effect of building morphology on energy and structural performance of high-rise office buildings*. (University of Massachusetts, Amherst). Retrieved from https://scholarworks.umass.edu/cgi/viewcontent.cgi?article=1582&context=open_access_dissertations
- Krstić, H., & Marenjak, S. (2017). Maintenance and operation costs model for university buildings. *Technical Gazette*, 24(1), 193-200.

- Kulatunga, K. J., Amaratunga, D., & Haigh, R. (2007). Researching construction client and innovation: methodological perspective.
- Kumar, R. (2011). *Research methodology: A step-by-step guide for beginners*. Retrieved from http://www.sociology.kpi.ua/wpcontent/uploads/2014/06/Ranjit_Kumar-Research_Methodology_A_Step-byStep_G.pdf.
- Lai, J., & Yik, F. (2008). Benchmarking operation and maintenance costs of luxury hotels. *Journal of Facilities Management*, 6(4), 279-289. doi: 10.1108/14725960810908145
- Langdon, D. (2007). *Life Cycle Costing (LCC) as a contribution to sustainable construction: a common methodology*. Literature Review, Davis Langdon Management Consulting.
- Liu, H., Gopalkrishnan, V., Quynh, K. T. N., & Ng, W. K. (2009). Regression models for estimating product life cycle cost. *Journal of Intelligent Manufacturing*, 20(4), 401-408.
- Maguire, D. J., Smith, R., & Kouyoumjian, V. (2008). The business benefits of GIS: an ROI approach. ESRI, Inc.
- Mahmoud, T. (1994). *Assessment of the problems facing the maintenance industry in Saudi Arabia*. (Doctoral dissertation, King Fahd University of Petroleum and Minerals). Retrieved from <http://eprints.kfupm.edu.sa/10131/1/10131.pdf>
- Manion, L., & Morrison, K. (2000). *Research methods in education*. Routledge.
- Marcus, A. H., & Elias, R. W. (1998). Some useful statistical methods for model validation. *Environmental Health Perspectives*, 106(suppl 6), 1541-1550.
- Marenjak, S., El-Haram, M. A., & Horner, M. R. (2003, September). A generic approach to minimize whole life costs in the building industry. In *Proceedings of 19th Annual ARCOM Conference*.
- Matel, E., Vahdatikhaki, F., Hosseinyalamdary, S., Evers, T., & Voordijk, H. (2019). An artificial neural network approach for cost estimation of engineering services. *International Journal of Construction Management*, 1-14.
- Meikle, J. (2001). A review of recent trends in house construction and land prices in Great Britain. *Construction Management & Economics*, 19(3), 259-265.
- Meng, X., & Harshaw, F. (2013, 2-4 September). The Application of Whole Life Costing in PFI/PPP Projects. In *Proceedings of the 29th Annual ARCOM Conference*, Reading, UK.

- Munn, P., & Drever, E. (1990). Using Questionnaires in Small-Scale Research. *A Teachers' Guide*. Scottish Council for Research in Education, 15 St. John Street, Edinburgh, EH8 8JR, Scotland, United Kingdom.
- Mwitondi, K. S. (2012). Statistical data mining using SAS applications.
- Narayan, V. (2003), Effective Maintenance Management: Risk and Reliability Strategies for Optimizing Performance, *Industrial Press*, New York, NY.
- New York City Rent Guidelines Board. (2017). *2017 Price Index of Operating Costs*. New York.
- Niazi, A., Dai, J. S., Balabani, S., & Seneviratne, L. (2006). Product cost estimation: Technique classification and methodology review.
- Oduyemi, O., Okoroh, M., & Dean, A. (2014). Barriers to Life Cycle Costing Usage. In *Proceedings of the 30th Annual ARCOM Conference*, Portsmouth, UK.
- Office of Government Commerce (OGC). (2003). *Achieving Excellence Guide 7: Whole-life Costing*. Retrieved from http://www.ogc.gov.uk/SDToolkit/reference/ogc_library/achievingexcellence/ae7.pdf
- Office of Government Commerce (OGC). (2007). Whole-life costing and cost management - Achieving Excellence in Construction Procurement Guide. London, United Kingdom: OGC.
- Ofori, I., Duodu, P., & Bonney, S. (2015). Establishing factors influencing building maintenance practices: Ghanaian perspective. *Journal of Economics and Sustainable Development*, 6(24), 184-193.
- Olayinka, A., & Owolabi, O. (2015). Evaluation of the factors affecting housing maintenance and its probable solutions. *International Journal of Latest Research in Engineering and Technology*, 1(4), 59-64.
- Olubodun, F., Kandwa, J., Oladapo, A., & Thompson, J. (2010). An Appraisal of the Level of Application of Life Cycle Costing within the Construction Industry in the UK. *Structural Survey*, 28(4), 254-265.
- Omari, D. O. (2015). *An Investigation into factors affecting the maintenance cost of commercial buildings in Nairobi, Kenya*. (Unpublished Dissertation, Department of Real Estate and Construction Management, School of the Built Environment).
- Opoku, A. (2013). The Application of Whole Life Costing in the UK Construction Industry: Benefits and Barriers. *International Journal of Architecture, Engineering and Construction*, 2(1), 35-42.

- Perera, B. A. K. S., Chethana, I. M., Illankoon, S., & Perera, W. A. N. (2016). Determinants of operational and maintenance costs of condominiums. *Built-Environment Sri Lanka*, 12(1).
- Perera, O., Morton, B., & Perfrement, T. (2009). Life cycle costing in sustainable public procurement: A question of value. *International Institute for Sustainable Development: A white paper from IISD*.
- Pessenlehner, W., & Mahdavi, A. (2003). Building morphology, transparency, and energy performance. In *Proceedings of the Eighth International IBPSA Conference*, (pp. 1025-1030).
- Philip, C. H., & Chow, W. K. (2001). Energy use in commercial buildings in Hong Kong. *Applied Energy*, 69(4), 243-255.
- Raheja, D. G. (1991). *Assurance Technologies*. NY: McGraw-Hill, Inc.
- Ramachandra, T. (2013). *Exploring feasible solutions to payment problems in the construction industry in New Zealand*. (Doctoral dissertation, AUT University). Retrieved from <http://hdl.handle.net/10292/5554>
- RIBA. (2012). *RIBA plan of work 2013*. RIBA: London.
- RICS (2014). *New Rules of Measurement: NRM 3: Order of cost estimating and cost planning for building maintenance works*, ISBN 978 1 78321 024 4. RICS: UK.
- RICS. (2012). *New Rules of Measurement-NRM 2: Detailed Measurement for Building Works*.
- Robinson, H., Symonds, B., Gilbertson, B., & Ilozor, B. (Eds.). (2015). *Design Economics for the Built Environment: Impact of Sustainability on Project Evaluation*. John Wiley & Sons.
- Rosen, S. (1974). Hedonic prices and implicit markets: product differentiation in pure competition. *Journal of political economy*, 82(1), 34-55.
- Ross, T. J. (2004). *Fuzzy logic with engineering applications (2)*. New York: Wiley.
- SAE, J. (1993). *1100 Motor Vehicle Dimensions Society of Automotive Engineers Inc*. Warren Dale, Jun.
- Saghatforoush, E., Trigunarysyah, B., & Too, E. G. (2012). Assessment of operability and maintainability success factors in provision of extended constructability principles.
- Saunders, M., Lewis, P., & Thornhill, A. (2009). Understanding research philosophies and approaches. *Research methods for business students*, 4(106-135).

- Saunders, M., Lewis, P., & Thornhill, A. (2016). *Research methods for business students* (7th ed.). Harlow, England: Pearson Education.
- Schaude, J. (2011). *Life Cycle Cost Calculation Models for Buildings*. Retrieved from http://www.inpro-project.eu/media/lcc_juttaschade.pdf
- Seeley, I. H. (1996). *Building Economics* (4 ed.). New York: Palgrave MacMillan.
- Smith, J., Jaggar, D., Love, P. E. D., & Olatunji, O. A. (2007). *Building Cost Planning for the Design Team* (ed.).
- Somerville, C. T. (1999). Residential construction costs and the supply of new housing: endogeneity and bias in construction cost indexes. *The Journal of Real Estate Finance and Economics*, 18(1), 43-62.
- Sri Lanka Sustainable Energy Authority. (2014). Annual Report. SLSEA: Colombo.
- Sterner, E. (2000). Life-cycle costing and its use in the Swedish building sector. *Building Research & Information*, 28(5-6), 387-393.
- Taherdoost, H. (2016). Sampling methods in research methodology; how to choose a sampling technique for research. *How to Choose a Sampling Technique for Research* (April 10, 2016).
- Taherdoost, H. (2017). Determining sample size; how to calculate survey sample size. *International Journal of Economics and Management Systems*, 2, 236-239.
- Talib, R., Ahmad, A. G., Zakaria, N., & Sulieman, M. Z. (2014). Assessment of factors affecting building maintenance and defects of public buildings in Penang, Malaysia. *Architecture Research*, 4(2), 48-53.
- Tashakkori, A., & Teddlie, C. (2003). *Handbook of mixed methods in social & behavioral research* (6th ed.). Thousand Oaks, CA: SAGE Publications.
- Ungar, B. L. (2003). *Factors Affecting the Construction and Operating Costs of Federal Buildings*. Washington DC, USA: General Services Administration.
- Van Teijlingen, E. R., & Hundley, V. (2001). *The importance of pilot studies*.
- Wang, N., Wei, K., & Sun, H. (2014). Whole life project management approach to sustainability. *Journal of Management in Engineering*, 30(2), 246-255.
- Waziri, B. S. (2016). Design and construction defects influencing residential building maintenance in Nigeria. *Jordan Journal of Civil Engineering*, 10(3).
- Weddikara, C. (2001). Towards sustainable development - an overview. *Financial Times*

- Weerasinghe, A., Ramachandra, T., & Rotimi, J. O. (2016). A Simplified model for predicting running cost of office buildings in Sri Lanka. In *Proceedings of the 32nd Annual ARCOM Conference*.
- Williams, C. (2007). Research Methods. *Journal of Business & Economics Research*, 5(3), 65-72.
- Winch, G., & Courtney, R. (2001). Re-engineering. Manoliadis et al., sustainable construction and drivers of change in Greece: A Delphi study. *Construction Management and Economics*, 24(1), 113-120.
- Wong, I. L., Perera, S., & Eames, P. (2010). Goal Directed Life Cycle Costing as a Method to Evaluate the Economic Feasibility of Office Buildings with Conventional and TIFacades. *Construction Management and Economics*, 28(7), 715-735.
- Yang, Q., Liu, M., Shu, C., Mmereki, D., Uzzal Hossain, M., & Zhan, X. (2015). Impact Analysis of Window-Wall Ratio on Heating and Cooling Energy Consumption of Residential Buildings in Hot Summer and Cold Winter Zone in China. *Journal of Engineering*, 2015, 1-17. doi: 10.1155/2015/538254
- Yıldırım, A., & Simsek, H. (2006). *Qualitative research methods in social studies*. Ankara: Seckin Publications.
- Yin, R. K. (2003). *Case study research: Design and methods* (2nd ed.). London, England: Sage Publication.
- Yin, R. K. (2009). *Case study research: Design and methods* (4th ed.). Thousand Oaks, CA: Sage Publications.
- Yu, M. K., & Ive, G. (2008). The compilation methods of building price indices in Britain: a critical review. *Construction Management and Economics*, 26(7), 693-705.
- Zhiliang, M., Zhenhua, W., Wu, S., & Zhe, L. (2011). Application and extension of the IFC standard in construction cost estimating for tendering in China. *Automation in Construction*, 20(2), 196-204.