

ROHANA MAHBUB (Assoc Prof, Dr)

Senior Lecturer (CSQS), Head of Quality Unit (iCEPS)

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Research Interest Group:
Construction Innovation
Green Technology and Sustainable Development (GTSD)

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Areas of Expertise

- Innovative Construction Approaches
- Mechanisation, Automation and Robotics in Construction
- Industrialised Building Systems and Modular Construction
- Built Environment Education
- Economic and Financial Evaluation in Conservation and Heritage Projects
- Risk Assessment
- Green Technology and Sustainable Construction
- Construction Project Management

Google Scholar: <https://scholar.google.com.my/citations?user=VZNmvRQAAAAJ&hl=en>
Research Gate: <https://www.researchgate.net/profile/Rohana-Mahbub>

Personal Information

Rohana Mahbub

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Head of Quality Unit
Institute of Continuing Education and Professional Studies
(iCEPS), UiTM-MTDC Technopreneur Centre
Universiti Teknologi MARA
40450 Shah Alam, Selangor, Malaysia.

Academic Qualifications

PhD in Built Environment and Engineering, 2008, Queensland University of Technology, Australia
Master of Science in Construction Project Management, 1993, University of Manchester, Institute of Science and Technology (UMIST), United Kingdom
BSc (Hons) in Quantity Surveying, 1988, University of Reading, United Kingdom
A Levels, 1985, Cornwall College of Further and Higher Education, Camborne, United Kingdom

Teaching and Learning

1. Master in Heritage and Conservation Management AP777, Semester 2, Management and Ethics WHC724, Lecture
2. BSc (Hons) Degree in Quantity Surveying AP224, Semester 3, Construction Technology III BQS502, Lecture
3. BSc (Hons) Degree in Quantity Surveying AP224, Semester 3, Research Methodology BQS514, Lecture
4. BSc (Hons) Degree in Quantity Surveying AP224, Semester 5, Construction Technology V BQS602, Lecture

Postgraduate Student Supervision (PhD and MSc)

1. Faridah Binti Muhamad Halil (Graduated 2013), The Implementation of Strategic Partnering in Industrialised Building System – PhD
2. Datuk IR Haji Abdul Latif Bin Mohd Som (Graduated 2014), Antecedents Of Export Performance: Empirical Evidence From Malaysian Construction Professional Consultants - PhD
3. Saifuza Binti Abd Shukor (Graduated 2016), A Framework on Improving Integration of Supply Chain in Industrialised Building System (IBS) Using Design & Build Procurement in Malaysia - PhD
4. Faudzi Bin Muhammad (Graduated 2017), Knowledge Sharing Framework for Sustainable Value Planning in Malaysian Public Construction Projects - PhD
5. Muhamad Faiz Bin Musa (2012455358), Adopting Sustainable Modular and Mechanisation approach through Industrialised Building System (IBS) in the Malaysian Construction Industry - PhD
6. Siti Syariazulfa Binti Kamaruddin (2011563787 - graduated), A Framework of the Economic Factors and Cost in the Implementation of Mechanisation and Automation (M&A) In Industrialised Building System (IBS) Approach - PhD
7. AR. Wan Mohammad Norshah Abdul Satar (2018286532 - graduated), Tourist Experience Model: A Case Study of Melaka World Heritage Site - MSc
8. Muhamad Yusof Bin Abdullah (2016841004), An Economic Appraisal of Modern Methods of Construction (MMC) in Adopting Mechanisation & Automation - PhD
9. Mohamed Rizal Bin Mohamed (2014315419 - graduated), Small and Medium Enterprise Contractors Participation in Industrialised Building System - PhD
10. Ezyana Anyzah Binti Marmaya (2015512389 - graduated), Environmental Risk Assessment Framework for Industrial Projects in The Malaysian Construction Industry – MSc Research
11. Nur Hidayah Binti Idris (2019699868), A Sustainable Decision-Making Model for the Implementation of Innovative Technologies in the Malaysian Construction Industry - PhD
12. Syamim Nadiyah Binti Abdullah Zawawi (2020444406), Understanding Development Barriers in Implementing Technological Changes in the Malaysian Construction Industry - PhD

13. Ezyana Anyzah Binti Marmaya (2021109799), Sustainable Cost Management Framework for Heritage Building Conservation Works in Malaysia – PhD
14. Chen Yu (2022281468), Performance and Cost Analysis Model of Recycled Plastic Polyethylene terephthalate (PET) concrete – PhD
15. Kamarul Azhar bin Mahmood (2014836368), A User Requirement Model on Cost Information System for Malaysian Public Construction Projects – PhD
16. Khairun Nisya Kairun Nizam (2023700515), The Implementation of Heritage Building Information Modelling (HBIM) for Quantity Surveyors in Cost Planning for Conservation Projects in Malaysia - MSc

Publications

Publication 2015

- [1] **Rohana Mahbub** "Framework on the Barriers to the Implementation of Automation and Robotics in the Construction Industry", Proceedings of the International Conference on Innovation and Management (IAM2015W) ISSN 2218-6387, Singapore, 3-6 February 2015
- [2] **Rohana Mahbub** "Effective Teaching of Technology: Building Information Modelling (BIM) Module for Built Environment Students" Proceedings of 14th International Conference on Education and Educational Technology (EDU '15) ISSN 2227-4618 ISBN 978-1-61804-300-9, Kuala Lumpur, Malaysia, 23-25 April 2015
- [3] Ani Saifuza Abd Shukor, Mohammad Fadhil Mohammad, **Rohana Mahbub** and Faridah Muhammad Halil, "Towards Improving Integration of Supply Chain in IBS Construction Project Environment", Proceedings of AMER International Conference on Quality of Life AicQoL 2015, Jakarta, Indonesia, 25-27 April 2015
- [4] Faridah Muhammad Halil, Mohammad Fadhil Mohammad and **Rohana Mahbub** "Trust Attributes in Supply Chain Partnering in Industrialised Building System", Proceedings of AMER International Conference on Quality of Life AicQoL 2015, Jakarta, Indonesia, 25-27 April 2015
- [5] **Rohana Mahbub** "Framework on the Barriers to the Implementation of Automation and Robotics in the Construction Industry", International Journal of Innovation in Management (IJIIM) Volume 3 No 1, June 2015, ISSN 2308-1295, pg 21-35
- [6] **Rohana Mahbub** "Framework on The Process for Industrialised Building System (IBS) Production And Installation", Proceedings of Academia Industry Collaboration 2015: Seminar on IBS Technology And Innovation In the Malaysian Construction Industry (AIC 2015), Perak, Malaysia, 9 June 2015
- [7] **Rohana Mahbub** "Mechanisation, Automation and Robotics Technologies Implementation in the Malaysian Construction Industry: How Ready Are We?", IBS Digest 3, CIDB Publications, July 2015
- [8] Abdul Hadi Nawawi, Faudzi Muhammad, **Rohana Mahbub** and Nazirah Zainul Abidin "Perceived Project Sustainability Performance Indicators (PPSPI) for Value Planning", Elsevier Procedia - Social and Behavioural Sciences, Vol 202, 22 August 2015 pg 89 – 97
- [9] **Rohana Mahbub** "Framework on The Production and Installation Process for Industrialised Building System (IBS)", BinaTECH: Construction Technology and Living Trends Vol 3, 2015
- [10] **Rohana Mahbub** "The Economic Viability of Prefabrication and Modular Construction for Residential Buildings in Malaysia", Proceedings of the 23rd Global Lean Construction Conference – Innovative Production and Construction 2015 ISBN 978-0-321-9874557-2-7, Perth, Australia, 28-31 July 2015, pg 41-45
- [11] **Rohana Mahbub** "Knowledge-based Sustainable Decision-making Framework for the Implementation of Innovative Technologies in the Malaysian Construction Industry", Proceedings of

the 9th International Conference on Management, Marketing and Finances (MMF '15) ISBN 978-1-61804-335-1, Seoul, South Korea, 5-7 September 2015

- [12] Faudzi Muhammad, Abdul Hadi Nawawi, **Rohana Mahbub** and Nazirah Zainul Abidin "Knowledge Sharing for Sustainable Value Planning: Using PLS-SEM in Exploratory-Explanatory Analysis", Proceedings of the 2nd International Conference on Research Methodology for Built Environment and Engineering, Shah Alam, Malaysia, 7 October 2015 pg 64 – 69
- [13] Anis Husna Shoib and **Rohana Mahbub** "Building Information Modelling (BIM) Education Framework for Built Environment Programmes In Malaysia", Proceedings of the 2nd International Conference on Research Methodology for Built Environment and Engineering, Shah Alam, Malaysia, 7 October 2015 pg 110 – 115

Publication 2016

- [1] **Rohana Mahbub** "Framework on the Production and Installation of Industrialized Building System (IBS) Construction Approach in Malaysia", Proceedings of the 4th International Conference on Architecture and Civil Engineering (ACE2016), Singapore, 25-26 April 2016
- [2] **Rohana Mahbub** "Exploring the Use of i-Learn Platform for Multi-Disciplinary Teaching of Built Environment Programmes", Proceedings of the 16th International Conference on Education and New Learning Technologies, Barcelona, Spain, 4-6 July 2016
- [3] **Rohana Mahbub** "Assessing the Effectiveness of Teaching and Learning Methods for Building Information Modelling (BIM) Module", Proceedings of the 16th International Conference on Education and New Learning Technologies, Barcelona, Spain, 4-6 July 2016
- [4] Faudzi Muhammad, **Rohana Mahbub**, Abdul Hadi Nawawi and Nazirah Zainul Abidin "Achieving Sustainable Value Planning for Malaysian Public Projects", Proceedings of the 4th International Building Control Conference, Kuala Lumpur, 7 March 2016 and published/ indexed in MATEC Web of Conferences 66, 00011 (2016) ref DOI: 10.1051/mateconf/20166600011
- [5] Faridah Muhammad Halil, Mohammad Fadhil Mohammad, **Rohana Mahbub** and Ani Saifuza Abd Shukor "Strategic Supply Chain Partnering in Industrialised Building System", Asian Journal of Environment-Behaviour Studies Vol 7 No 26, April/June 2016 ISSN1394-0384
- [6] Ani Saifuza Abd Shukor, Faridah Muhammad Halil, Mohammad Fadhil Mohammad and **Rohana Mahbub** "Integration of Supply Chain in IBS Construction", Asian Journal of Quality of Life Vol 1 No 3, Sept/Oct 2016 pp 18-28
- [7] Faridah Muhammad Halil, Mohammad Fadhil Mohammad, **Rohana Mahbub** and Ani Saifuza Abd Shukor "Trust Attributes to Supply Chain Partnering in Industrialized Building System", Elsevier Procedia Social and Behavioral Sciences Vol. 222, June 2016, pp 46-55
- [8] Ani Saifuza Abd Shukor, Mohammad Fadhil Mohammad, **Rohana Mahbub** and Faridah Muhammad Halil "Towards Improving Integration of Supply Chain in IBS Construction Project Environment", Elsevier Procedia Social and Behavioral Sciences Vol. 222, June 2016, pp 36-45
- [9] Siti Syariazulfa Kamaruddin, Mohammad Fadhil Mohammad and **Rohana Mahbub** "Barriers and Impact of Mechanisation and Automation in Construction to Achieve Better Quality Products", Elsevier Procedia Social and Behavioral Sciences Vol. 222, June 2016, pp 111-120

Publication 2017 to 2018

- [1] **Rohana Mahbub** "Enhancing the Adoption of Mechanization and Automation Technologies for Small Medium Enterprise (SME) Contractors in Malaysia", Proceedings of the 5th International Conference on Architecture and Civil Engineering (ACE2017), Singapore, 8-9 May 2017 (pp 251-254) ISSN: 2301-394X, E-Periodical ISSN: 2301-3958

- [2] Ezyana Anyzah Marmaya and **Rohana Mahbub** "Risk Assessment and the Environmental Impact of Industrial Projects in Malaysia: A Case Study of Samur, Sabah", Environment-Behaviour Proceedings Journal of 5th AMER International Conference on the Quality of Life (AicQoL2017), Bangkok, Thailand, 25-27 February 2017 (pp 507 – 519)
- [3] **Rohana Mahbub** "Quality Assurance for Higher Education: Challenges in Sustaining Continuous Quality Improvement for Malaysian Universities", Proceedings of the 11th Annual International Technology, Education and Development Conference, Valencia, Spain, 6-8 March 2017
- [4] **Rohana Mahbub** "Enhancing Learning Through Practical Training for Quantity Surveying Undergraduate Programmes in Malaysia", Proceedings of the 11th Annual International Technology, Education and Development Conference, Valencia, Spain, 6-8 March 2017
- [5] Ezyana Anyzah Marmaya and **Rohana Mahbub** "A Comparative Study on the Environmental Impact Assessment of Industrial Projects in Malaysia", 3rd International Conference on Research Methodology for Built Environment and Engineering (ICRMREE) 2017, Shah Alam, Malaysia, 8-9 November 2017
- [6] **Rohana Mahbub** "Spearheading Industrial Revolution 4.0 through Quantity Surveying Education", QSLINK Issue 2018 published by Board of Quantity Surveyors, Malaysia, KDN PP 12472/01/2019
- [7] Siti Syariazulfa Kamaruddin, Mohammad Fadhil Mohammad, Khairool Aizat Ahmad Jamal and **Rohana Mahbub** "Reducing Barriers and Impact of Mechanisation and Automation in IBS using BIM to Achieve Better Quality End-products", BinaTech 2018
- [8] Siti Syariazulfa Kamaruddin, Mohammad Fadhil Mohammad and **Rohana Mahbub** "IBS: An Economic Perspective on Mechanisation and Automation", Asian Journal of Quality of Life (AjQoL), Volume 3 (9), Jan/Feb 2018, pp 87-98
- [9] Shamsida Saidan Khaderi, Ani Saifuza Abd Shukor, Anis Sazira Bakri and **Rohana Mahbub** "Public Infrastructure Project Tendering Through Public-Private Partnerships (PPP) – A Literature Review", International Conference on Built Environment and Engineering, Johor, Malaysia, 29-30 October 2018
- [10] Mohamed Rizal Mohamed, Mohammad Fadhil Mohammad, **Rohana Mahbub**, Mohd Adib Ramli and Khairool Aizat Ahmad Jamal "The Issues and Challenges of Small and Medium-sized Contractors in Adopting Industrialised Building System", International Journal of Engineering and Technology, Issue 7, 2018 pp432-436
- [11] Ezyana Anyzah Marmaya and **Rohana Mahbub** "A Comparative Study on the Environmental Impact Assessment of Industrial Projects in Malaysia", IOP Conference Series: Earth and Environmental Science 117, 2018, doi: 10.1088/1755-1315/117/1/012020
- [12] Naqib Nor Halim and **Rohana Mahbub** "Technology Transfer for Automated Industrialised Building System: A Case Study of Gamuda", Proceedings of QSRI 2018, pp148–154, ISBN:978-967-363-501-6

Publication 2019 to 2021

- [1] Mohamed Rizal Mohamed, Mohammad Fadhil Mohammad, **Rohana Mahbub**, Mohd Adib Ramli, Sujatavani Gunasagaran and Siti Mariam Abdul Halim "Business Strategy of Small and Medium- sized Enterprise Construction Companies in Adopting IBS in Malaysia", International Journal of Academic Research in Business & Social Sciences, Vol 9 No 9, 2019 pp1127- 1139
- [2] Muhamad Saiful Islam Abd Aziz and **Rohana Mahbub** "The Impact of Pusat Komuniti Desa (PKD) towards Community Satisfaction: A Case study of PKD Al- Muktafi Billah Shah, Terengganu", Proceedings of QSRI 2019, ISBN: 978-967-363-501-6 Publication 2019 to 2021
- [3] Nurul Shuhada Sulaiman and **Rohana Mahbub** "The Effectiveness on Strategies to Reduce Non-revenue Water in Johor", Proceedings of QSRI 2019, ISBN: 978-967-363-501-6
- [4] Muhammad Yusuf Khalid and **Rohana Mahbub** "Developers' Perspective on Green Building Assessment", Proceedings of QSRI 2019, ISBN: 978-967-363-501-6

- [5] Hasmimie Adwin and **Rohana Mahbub** "Post Occupancy Evaluation of Facilities Management for Masjid Seksyen 7 and Masjid Jamek Raja Tun Uda, Shah Alam", Proceedings of QSRI 2019, ISBN: 978-967-363-501-6
- [6] **Rohana Mahbub** "The Implementation of Automation and Robotics in the Construction Industry", Invited Speaker for Technology Driven Construction Methods and Building Seminar, Sri Venkateswara College of Engineering, India, 2020
- [7] **Rohana Mahbub** "Enhancing Productivity in Construction through the Application of Mechanisation, Automation and Robotics Technologies", Malaysian Construction Research Journal Vol 11/No 3/ 2020, ISSN: 1885-3807 eISSN: 2590-4140
- [8] **Rohana Mahbub** et al "Construction Industry Standard for Productivity Measurement of Building Construction Projects", CIS 30:2021, 2021, Construction Industry Development Board, Malaysia
- [9] Sharifah Nur Farhana Syed Sahimi, **Rohana Mahbub**, Afzan Ahmad Zaini, Nadia Zaini and Yon Syafni Samat "Assessing Predicting Factors: Good Management Practices Towards the Successful Implementation of Green Supply Chain Management in IBS Construction Projects", Malaysian Construction Research Journal Vol 33/No 1/2021, ISSN: 1885-3807 eISSN: 2590-4140
- [10] Nur Hidayah Idris, **Rohana Mahbub** and Norfashiha Hashim "A Sustainable Decision-making Model for the Implementation of Innovative Technologies in the Malaysian Construction Industry – A Pilot Study", Malaysian Construction Research Journal, ISSN: 1885-3807 eISSN: 2590-4140

Publication 2022 to 2023

- [1] Nur Hidayah Ismail, **Rohana Mahbub**, Norfashiha Hashim, Har Einur Azrin Baharuddin, Noor Akmal Adillah Ismail "An Empirical Study on the Current Implementation of Innovative Technologies in the Malaysian Construction Industry – A Pilot Study", 1st Asean Quantity Surveying Association (AQSA) Academic Conference Proceedings, eISBN 978-629-97003-0-2, pp 60 – 62
- [2] Nur Hidayah Ismail, **Rohana Mahbub**, Norfashiha Hashim, Har Einur Azrin Baharuddin, Noor Akmal Adillah Ismail "An Empirical Study on the Current Implementation of Innovative Technologies in the Malaysian Construction Industry – A Pilot Study", Malaysian Construction Research Journal (Special Issue) Volume 19, No 2, 2023, eISSN 2590-4140, pp 127 – 142

Research Grants and Contracts

- [1] Forensic Cost Management Model for Heritage Building Conservation Projects (FRGS/1/2023/SSi03/UiTM/02/1); 2023-2026; Fundamental Research Grant Scheme, KPT; RM97400; Project Leader
- [2] Forensic Cost Application Model for Heritage Buildings in Malaysia; 2022 –2023, Geran Insentif Penyelia; RM21600; Project Leader
- [3] A Sustainable Decision-Making Model of Innovative Technologies Adoption for Small to Medium Enterprises (SME) in the Malaysian Construction Industry; 2021-2023, Geran Penyelidikan Khas UiTM; RM20000; Project Leader
- [4] IBS-BIM Integrated Framework for Industrializing Construction Strategies, Geran Penyelidikan Khas UiTM; RM20000; Member
- [5] Sustainable Cost Management Framework for Heritage Building Conservation Works in Malaysia; 2018-2021; Geran Lestari; RM20000; Project Leader
- [6] Risk Assessment Framework for Sustainable Construction Approach in Malaysia; 2016-2018; Geran Insentif Penyelia; RM25000; Project Leader
- [7] Public Infrastructure Project Tendering through Public-Private Partnership (PPP); 2017-2019; Geran Lestari; RM20000; Member

- [8] Supply Chain Integration in Industrialised Building System: A Case Study of Universiti Teknologi MARA; 2010-2014; Geran Pembangunan; RM25000; Member
- [9] Sustainable Construction Through the Mechanisation Approach: An Economic Appraisal; 2012-2014; RIF Grant; RM32000; Project Leader
- [10] Sustainable Modular Industrialised Building System Readiness Framework; 2013-2015; RAGS Grant; RM50000; Member
- [11] Cost Estimating Incorporating Building Information Modelling; 2013-2015; RAGS Grant; RM50000; Member
- [12] Framework on the Implementation of Automation and Robotics in the Construction Industry, 2013-2014; Dana RMI (Principal Investigator Support Initiative); RM40000; Project Leader
- [13] Analysing the Issues and Problems of Supply Chain Management (SCM) in Industrialised Building System (IBS) in the Malaysian Construction Industry; 2009-2011, Dana Kecemerlangan UiTM; RM12000; Member
- [14] Patterns of Supply and Demand in Implementing IBS Housing Projects in the Malaysian Construction Industry; 2009-2011; Dana Kecemerlangan UiTM; RM12700; Member
- [15] Research on the Implementation of Automation and Robotics Technologies in Japan; 2006; Nippon Foundation; RM22250; Project Leader
- [16] Safety Aspects of Automation on Construction Sites; 1998-1999; Canadian Commonwealth Scholarship and Fellowship Programme; RM75000; Project Leader

Consultation & Expertise

- [1] Development of Construction Industry Standard (CIS) for Measurement of Productivity of Building Construction Projects – CIDB Malaysia (reference LPIPM: SPT/ BTBI/ 08/2/3 (24) dated 12 May 2021)
- [2] Public-Private Collaboration Initiative to Facilitate IBS Implementation –KKR, UEM, Sime Darby, MRCB, PRIMA, CIDB, CREAM, TERAJU and UiTM (Do-IDS Lab) 22 Jan to 26 July 2018
- [3] Collaborative Project on Industrialised Building Systems UiTM - CIDB Malaysia (reference LPIPM: SP/TEK/10/9/2 (3) dated 26 February 2014)
- [4] Consultancy Project - Trans-disciplinary Study on Modular Construction System for High-Rise Residential Building UiTM-MRCB report dated June 2015

Innovation, Commercialization & Entrepreneurial

- [1] Invention, Innovation and Design Exposition “Early Stakeholder Engagement as a Process of Innovation in Infrastructure Projects”, 2017, participant.
- [2] National e-content Development Competition 2017 Bronze Award “Technology of Construction”
- [3] National e-content Development Competition 2018 Silver Award “Innovative Construction Technology”

Services & Administration

- [1] Head of Quality Unit for Institute of Continuing Education and Professional Studies (iCEPS): 1 Feb 2020 to 31 Jan 2022 [ref: 500-HEA (23/4/1)] and (second term)1 Feb 2022 to 31 Jan 2024
- [2] Risk Management Coordinator for Institute of Continuing Education and Professional Studies (iCEPS): 1 Mac 2020 to 31 Dec 2022 [ref: 500-CAN (UPR.23/1)] ; 1 Jan 2023 to 31 Dec 2023, 1 Jan 2024 to 31 Dec 2025 [ref: 500-CAN(UPR 9/50/3)
- [3] PSTU for Strategic Planning iCEPS: ongoing
- [4] Head of Audit System (*Ketua Sistem Audit*) iCEPS 1 Aug 2020 to 30 July 2022[ref 600-iCEPS(12/2)] and ongoing
- [5] *Penyelaras* AKNC for iCEPS: ongoing

- [6] Head of Quality Unit for Faculty of Architecture, Planning and Surveying: 2012 to 2014 [ref: 500-HEA (23/4/4)]
- [7] Head, Centre of Studies for Quantity Surveying: 2009 to 2010 [ref: 500-FSPU (PT.23/4/2)]
- [8] Visiting Researcher to Concordia University, Montreal, Canada: 1998-1999
- [9] Head of Department, Department of Civil Engineering/ NCUK Programme, PPP (INTEC) UiTM: 1996-1998
- [10] Visiting Lecturer to University John Moores University, United Kingdom: 1994
- [11] Head of Department, Department of Quantity Surveying/ NCUK Programme, PPP (INTEC) UiTM: 1989 to 1991 and 1994-1996
- [12] Resource Person for Construction Technology III QSM502 and BQS502: 2008 until current

Work Experience

- [1] Supervisor for PhD and MSc (by research) students
- [2] Auditor for IQA (COPPA Programme Accreditation): ongoing
- [3] Auditor for BPPA at UiTM level: ongoing
- [4] Auditor for iCEPS: Affiliated Colleges Academic Quality Audits, New College Audits and New Programme Audits
- [5] Auditor for "SWA-Akreditasi" at UiTM level: ongoing (ref: 600-CAN (InQKA 12/7/6/1))
- [6] AKNC Main Committee (Pakar Rujuk) at UiTM level: 2018 - ongoing
- [7] Evaluator for Massive Open Online Course (MOOC) UiTM 2018, 2021 & 2023
- [8] External and Internal Examiner for PhD and Masters by Research Candidates: 2012-2021 [24 as Internal Examiner and 6 as External Examiners (Universiti Malaya and Universiti Teknologi Malaysia)]
- [9] ISO 9001:2008 Lead Assessor and Auditor for Universiti Teknologi MARA: 2012 to current (reference 600-CAN (InQKA 12/2/1))
- [10] External Reviewer iQMS for Universiti Teknologi MARA (COPIA): 2012 to current [reference 600-CAN (InQKA 12/2/1/2) dated 7 Jan 2016, 2 years (1 Jan 2016 to 31 Dec 2017)]
- [11] Auditor for Bahagian Transformasi Universiti, UiTM
- [10] University Steering Committee for QMS V2: October 2014 to September 2015. (reference 500-CAN (InQKA 23/1))
- [11] Evaluation Panel for research grants FRGS, ERGS and RAGS at Universiti Teknologi MARA level: 2015 – ongoing

Other Academic Activities

- [1] Reviewer for Journal of Construction in Developing Countries: 2013 - ongoing
- [2] Reviewer for Pertanika Journal of Science and Technology: 2015 - ongoing
- [3] Reviewer for International Journal of Construction Management: 2016 – ongoing
- [4] Reviewer for Business and Management Journal: 2017- ongoing
- [5] Reviewer for International Invention Journal of Arts and Social Sciences (IIJASS): 2017 – ongoing
- [6] Advisory Panel for Elsevier Research Community - ongoing
- [7] Reviewer for the 12th International Civil Engineering Post Graduate Conference (SEPKA) and the 3rd International Symposium on Expertise of Engineering Design (ISEED): 27 June 2018
- [8] Reviewer for the 7th International Conference on Postgraduate Education: ref T01_055 2016
- [9] Reviewer for 23rd Global Lean Construction Conference (Innovative Production and Construction track): 2015

- [10] Track Reviewer for the 31st International Symposium on Automation and Robotics in Construction (ISARC): 2014
- [11] Scientific Committee and Paper Reviewer for 1st International Conference on Research Methodology for Built Environment and Engineering: 2013
- [12] Writer for AKNC Report FSPU 2011, 2012, 2013, 2014 and iCEPS 2020 to current
- [13] Writer for various accreditation documentation (UiTM SWA-accreditation reports, audit reports etc)