

CURRICULUM VITAE



Prof. Dato' Ir. Abang Abdullah Abang Ali,
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Universiti Putra Malaysia,
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Education

1. MSc. Civil Engineering, 1975, University of Manchester.
2. BSc (Hons) Civil Engineering, 1974, University of Brighton.

Areas of Interest

1. Civil/Structural and Materials Engineering.

Professional Qualification/ Membership/ Affiliation

1. President, Malaysian Society for Engineering & Technology (MySET)
2. Member Board of Governors, Cyberjaya University College of Medical Sciences (CUCMS)
3. Fellow, Institution of Engineers, Malaysia (FIEM)
4. Professional Engineer, Board of Engineers, Malaysia (PEng)
5. Fellow, Institution of Civil Engineers UK (FICE)
6. Chartered Engineer, Engineering Council UK (CEng)
7. Fellow, International Ferroceement Society (FIFS)
8. Fellow, Academy of Sciences Malaysia (FASc)
9. Fellow, Asean Academy of Engineering & Technology (FAAET)
10. Honorary Fellow, Asean Federation of Engineering Organisation (HonFAFEO)
11. Honorary Fellow, Institution of Engineers, Malaysia (HonFIEM)

Appointments

Position	Duration
1. Professor, Department of Civil Engineering, Faculty of Engineering, UPM	Jan 1976 to date
2. Dean, Faculty of Engineering, UPM	1982 to 1988
3. Head, Housing Research Centre, Faculty of Engineering, UPM	Jan 1990 to date

Publications

Journals (30 recent journals)

1. HEJAZI, F., NOORZAEI, J., JAAFAR, M.S., ABANG ABDULLAH, A.A. (2009). Development of viscous damper finite element model for reinforced concrete frames. Journal of Vibration and Control. (Submitted).
2. M. A. ALGORAFI, ABANG ABDULLAH, A. A, I. OTHMAN, M. S. JAAFAR and M. P. ANWAR. (2009). Externally Prestressed Segmental Beam Under Combined Bending, Shear And Torsional Stresses: An Experimental Study. Engineering Structures, Elsevier. (Submitted).
3. M. A. AL-GORAFI, ABANG ABDULLAH ABANG ALI, I. OTHMAN M. S. JAAFAR and MOHAMMED PARVEZ ANWAR. (2009). Externally Prestressed Monolithic and Segmental Concrete Beams under Torsion: A Comparative Finite Element Study. ASCE Journal of Bridge Engineering. (Submitted).
4. NISREEN N. Ali, ABANG ABDULLAH, A. A., JAAFAR, M. S., ANWAR, M. P. (2009). Effect of Stiffeners on the Structural Behaviour of Interlocking Load Bearing Hollow Block Wall Panels, ASCE Journal of Structural Engineering. (Submitted).

5. NISREEN N. Ali, ABANG ABDULLAH, A. A., JAAFAR, M. S., ANWAR, M. P..(2009). Experimental Investigation of Putra Interlocking Load bearing Hollow Block Wall Panels with Stiffener under Lateral Loading. Engineering Structures, Elsevier. (Submitted).
6. KOJOURI, S.J, NOORZAEI, J, ABANG ABDULLAH, A.A,JAAFAR, M.S & FARZAD, H. (2009). Preliminary seismic assessment of existing reinforced concrete framed buildings. Disaster Advances. Volume No.2 (4).
7. ALAGHBARI, W, SALIM, A, DOLA, K & and ABANG ABDULLAH, A.A (2009). Housing shortage for low income in Yemen: causes & suggestions. International Journal of Housng Markets and analysis, Emerald, Vol 2, Number 4. pp363-372.
8. ALGORAFI, M.A., ABANG ABDULLAH, A.A, JAAFAR, M.S, OTHMAN, I, ANWAR, M.P, AND RASHID,R (2009). Effect of torsion on externally prestressed segmental concrete bridge with shear key. American Journal of Engineering and Applied Sciences, V2: pp54-60.
9. HEJAZI, F, NOORZAEI, J, JAAFAR, M.S., THANOON, W.W & ABANG ABDULLAH, A.A. (2009). Optimisation of active variable stiffness system for controlling structural response of a building uder earthquake excitation, Journal of Structural Engineering, V36: No4: pp 235-242.
10. HEJAZI, F, NOORZAEI, J, JAAFAR, M.S., THANOON, W.W & ABANG ABDULLAH, A.A. (2009). Optimisation of active variable stiffness system for controlling structural response of a building uder earthquake excitation, Journal of Structural Engineering, V36: No4: pp 235-242.
11. HEJAZI, F, NOORZAEI, J, JAAFAR, M.S., THANOON, W.W & ABANG ABDULLAH, A.A. (2009). Optimisation of active variable stiffness system for controlling structural response of a building uder earthquake excitation, Journal of Structural Engineering, V36: No4: pp 235-242.
12. PEYMAN, G, JAAFAR, M.S, IBRAHIM, A, NOORZAEI, J & ABANG ABDULLAH, A.A. (2009). Acceptability of shear wall performance incorporated into constitutive isotropic damage plasticity modeling. The Indian Concrete Journal, V83: No.9.
13. JAWAD, R.S.M, MOHD RAZALI, A.K. & ABANG ABDULLAH, A.A. (2009). Variation orders in construction projects. Journal of Engineering and Applied Sciences 4(3): 170-176.
14. MOHAMMAD,P, KAMARIAH,D, ABANG ABDULLAH,A., SALIM, A (2009). Transformation of urban morphology after earthquake: the case of two cities of Iran; Lar and Bam. International Seminar on Urban Form, China.
15. MEGAT JOHARI M. M. N & ABANG ABDULLAH, A.A (2010). Engineering education & professional qualification in Malaysia. NABEEA Symposium on Further understanding of engineering-related education in Asia, 19 Jan, Taipei, Taiwan.
16. ALGORAFI, M.A., ABANG ABDULLAH, A.A., JAAFAR, M.S. & ANWAR, M.P. (2010). Experimental study of externally prestressed segmental beam under torsion. Engineering Structures, Elsevier. Vol. 32(2010) pp 3538-3538.
17. WA'EL ALAGHBARI, AZIZAH SALIM, KAMARIAH DOLA & ABANG ABDULLAH ABANG ALI.(2011). Developing affordable housing design for low income in Sana'a, Yemen. International Journal of Housing Markets and Analysis. 4(1): 84-98. ABI INFORM ISSN 1753-8270.
18. F.HEJAZI, MOHAMMAD DALILI S, J. NOORZAEI, M.S. JAAFAR, A.A ABANG ALI & W. A THANOON. (2011) Seismic response evaluation of RC tower connected to short rigid buildings. Key Engineering Materials. 462-463(2011): 569-575. IF: 0.224 ISI. ISSN 1013-9826
19. F. HEJAZI, S. JILANI, J. NOORZAEI, C Y CHIENG, M S JAAFAR AND A A ABANG ALI. (2011) Effect of Soft Story on Structural Response of High Rise Buildings. Journal Institute of Physics, IOP. 17(2011): 1-13. SCOPUS ISSN: 1367-2630
20. PEYMAN GHATEE, M S JAAFAR, JAMALODDIN NOORZAEI, AZMI IBRAHIM AND A A A ALI. (2011) Plain Concrete linearized Stiffness Diminution Modeling Subjected to Different Stresses-Strain Relationship Models. Journal Institute of Physics, IOP. 17(2011). SCOPUS ISSN: 1367-2630
21. M A AL-GORAFI, A A A ALI, I OTHMAN, M S JAAFAR AND M P ANWAR (2011) Externally Prestressed Monolithic and Segmental Concrete Beams under Torsion: a Comparative Finite Element Study. Journal Materials Science and Engineering, IOP. 17(2011). SCOPUS ISSN: 1367-2630
22. M. A. ALGORAFI, A.A.A.ALI, I. OTHMAN, M.S. JAAFAR AND R.A. ALMANSOB.(2011). Evaluation of structural behavior of externally prestressed segmented bridge: Journal of Engineering, Project and Production Management. 1(1):28-35.
23. NIMA FARZADNIA, ABANG ABDULLAH ABANG ALI, RAMAZAN DEMIRBOGA. (2011). Incorporation of Mineral Admixtures in Sustainable High Performance Concrete:International Journal of Sustainable Construction Engineering & Technology. 2(1): 44-56.

24. MOHAMMAD PANJEHPOUR, NIMA FARZADNIA, MOHAMMED PARVEZ ANWAR, AND ABANG ABDULLAH ABANG ALI. (2011). FRP sheets contribution in common repair techniques of concrete structures with emphasis on concrete columns. *International Journal of Sustainable Construction Engineering & Technology*. 2(2): 54-61.
25. NIMA FARZADNIA, ABANG ABDULLAH ABANG ALI AND RAMAZAN DEMIRBOGA (2012). Development of nanotechnology in high performance concrete. *Advanced Materials Research*. 364(2012): 115-118 SCOPUS ISSN: 1661-464x.
26. MOHAMMAD PANJEHPOUR, ABANG ABDULLAH ABANG ALI AND RAMAZAN DEMIRBOGA (2012). A Review for Characterization of Silica Fume and Its Effects on Concrete Properties. *International Journal of Sustainable Construction Engineering & Technology*. 2(2): 1-7.
27. WA'EL ALAGHBARI, SALIM, A., DOLA, K. AND ALI, A.A.A. (2012). Identification of Significant Factors Influencing Housing Cost in Yemen. *International Journal of Housing Markets and Analysis*, 5(1), 41-52.
28. MOSLIH AMER SALIH, RAMAZAN DEMIRBOGA, ABANG ABDULLAH ABANG ALI (2012) Effect of Na₂SiO₃/NaOH Ratio and Binder/Activator Ratio on Compressive Strength of POFA Blended with GGBS to produce Geopolymer Cement, *Archives Des Science*. Vol 65: 8. ISSN: 1661-464X. (IF:0.296) ISSN1661-464X.
29. MOSLIH AMER SALIH, RAMAZAN DEMIRBOGA AND ABANG ABDULLAH ABANG ALI (2012) Incorporating Palm Oil Fuel Ash with Slag in Geopolymer Technology: A Review ,The International Review of Civil Engineering (IRECE); 3 (3): 266-272; ISSN: 2036 - 9913; EBSCO.
30. SHAHRIAR SHABAZPANAHI, ABANG ABDULLAH ABANG ALI, FARAH NORA AZNIETA, ALALEH KAMGAR, AND NIMA FARZADNIA (2012) A simple method to model crack propagation in concrete, *CONSTRATII Journal* 3(1): 41-50 (CI: DOAJ, EBSCO) ISSN: 1221-2709.
31. MOHAMMAD PANJEHPOUR, ABANG ABDULLAH ABANG ALI, AND YEN LEI VOO, (2012) Structural Insulated Panels: Past, Present, and Future, *Journal of Engineering, Project, and Production Management* 2013, 3(1), 2-8. DOAJ, EBSCO ISSN: 2221-6529.
32. PANJEHPOUR M, ALI AAA, ANWAR MP, AZNIETA FN. (2012) An overview of Strut-and-Tie model and its common challenges. *International Journal of Engineering Research in Africa*. 8(2012): 37-45. ISSN: 1663-3571 (CI: DOAJ, EBSCO).
33. MOHAMMAD PANJEHPOUR, ABANG ABDULLAH ABANG ALI, YEN LEI VOO AND FARAH NORA AZNIETA (2012) Strut Elaboration In Strut-And-Tie Model, *CONSTRATII Journal* 13(2): 45-53 (CI: DOAJ, EBSCO) ISSN: 1221-2709.
34. NIMA FARZADNIA, AAA ALI, DEMIRBOGA R, MP ANWAR (2013) Characterization of high strength mortar with nano Titania at elevated temperatures, *Construction and building materials*, 43(Jun-13): 469-479, IF: 1.83 ISSN 0950-0618.
35. N. FARZADNIA, A. A. A. ALI, R. DEMIRBOGA, M.P.ANWAR (2013) Effect of halloysite nano clay on mechanical properties, thermal behavior and micro structure of cement mortars , *Cement And Concrete Research* , 48(Jun-13):97-104, IF: 2.78 ISSN: 0008-8846.
36. SHAHRIAR SHABAZPANAHI, ABANG ABDULLAH ABANG ALI, FARAH NORA AZNIETA, ALALEH KAMGAR, AND NIMA FARZADNIA (2013) A Theoretical Analysis of Fracture Resistance Shear Crack in RC Beam with FRP, *The Arabian Journal for Science and Engineering (AJSE)* 48: 1104-1113, SCOPUS ISSN: 1319-8025255.
37. NOORVAND H, ALI A. A. A, DEMIRBOGA R, NOORVAND H, FARZADNIA N. (2013) Physical and chemical characteristics of underground palm oil fuel ash cement mortars with nanosilica, *Construction and Building Materials*, 48: 1104-1113, IF: 2.293, ISSN: 0950-0618.
38. NOORVAND H, ABANG ALI A. A, DEMIRBOGA R, FARZADNIA N, NOORVAND H. (2013) Incorporation of nano TiO₂ in black rice husk ash mortars, *Construction and Building Materials*, 47: 1350-1361, IF: 2.293, ISSN: 0950-0618.
39. FARZADNIA N, ABANG ALI A. A, DEMIRBOGA R. (2013) Characterization of high strength mortars with nano alumina at elevated temperatures, *Cement and Concrete Research*, 54: 43-54, IF: 3.112 ISSN: 0008-8846.
40. S. SHAHBAZPANAHI, A.A.A. ALI, F. N. AZNIETA, A. KAMKAR, N. FARZADNIA (2013) Modeling of the fracture process zone to improve crack propagation criterion in concrete, *Journal of South Africa Institution of Civil Engineering*, 55(3): 2-9, IF: 0.296, ISSN: 1021-201927.
41. MOSLIH AMER SALIH, ABANG ABDULLAH ABANG ALI, RAMAZAN DEMIRBOGA AND MUSTAFA AL BAKRI (2013) Properties of fresh palm oil fuel ash based geopolymer material, *Advances in Environmental Biology*, 7(12) October Special Issue 2013: 3572-3579. SCOPUS.
42. MOHAMMAD PANJEHPOUR AND ABANG ABDULLAH ABANG ALI (2013) A review of prefab home and relevant issues, *CONSTRATII Journal*, 14(1): 53-60, ISSN: 1221-2709.

43. MOHAMMAD PANJEHPOUR, ABANG ABDULLAH ABANG ALI, YEN LEI VOO AND FARAH NORA AZNIETA (2014) Effective compressive strength of strut in CFRP-strengthened reinforced concrete deep beams following ACI 318-11. *Computers and concrete* 13(1): 135-165 IF: 0.936 ISSN: 1598-8198.

Conference Proceedings (30 recent Conference Proceedings)

1. ALGORAFI, M.A., ABANG ABDULLAH, A.A, OTHMAN, I, JAAFAR, M.S. (2008). The influence of torsion in flat segmental prestressed concrete bridge. ICCE08, Kuantan, May.
2. ALGORAFI, M.A., ABANG ABDULLAH, A.A, OTHMAN, I, JAAFAR, M.S. (2008). FEM Study on the structural behavior of segmental prestressed concrete bridge under torsion and dry joint. ICCBT2008, Kuala Lumpur. June.A
3. HEJAZI, F., NOORZAEI, J., ABANG ABDULLAH, A.A., JAAFAR, M.S. (2008). Seismic analysis of interlocking mortarless hollow block. 8th International Congress on Advances in Civil Engineering, Eastern Mediterranean University, North Cyprus, 15-17 September. ALAGHBARI, W, SALIM, A, ABANG ABDULLAH, A.A & DOLA, K. (2009). Factors influencing low cost housing in Sana'a, Yemen. Proc. 2nd Intl Conf on Built Environment in Developing Countries 2008 (ICBEDC2008).
5. NISREEN N. Ali, ABANG ABDULLAH, A.A., JAAFAR, M.S. and ANWAR, M.P. Behaviour of Interlocking Load Bearing Hollow Putra Block Panels with Stiffeners under Vertical Load. CUTSE International Conference 2008, 24-27 Nov. Miri, Sarawak.
6. NISREEN N. ALI, ABANG ABDULLAH, A.A., JAAFAR, M.S., PARVEZ, A.M. & ALI A.Z. (2009). Behaviour of interlocking loadbearing hollow Putra block wall panels with stiffeners under lateral load. Second International Conference on Green Technology & Engineering 2009, University of Malayhayati, Bandar Lampung, Indonesia. 15-17 April. University of Malayhayati, Bandar Lampung, Indonesia. 15-17 April.
7. 193. ABANG ABDULLAH, A.A. (2008). Challenges in Engineering and Technology Research. Keynote Address. FEIIC Symposium on Engineering and Technology (SET2008), 15-16 December. Kuching, Sarawak.
8. ABANG ABDULLAH, A.A. (2009). Engineering education – Malaysia's Experience in International Benchmarking. Workshop on Engineering Education – International Perspective, Marriot hotel, Putrajaya, 25 March.
9. ABANG ABDULLAH, A.A. (2009). Engineering education experience in Malaysia. Joint Conference on Malaysia-France Engineering Education: Prerequisite to Formation of Engineers. Kuala Lumpur, 16-19 Feb.
10. ABANG ABDULLAH, A.A. (2009). Real estate industry – way forward. Property Convention. Hotel De-Palma, Kuala Lumpur. 24-25 March.
11. ABANG ABDULLAH, A.A. (2009). Role of engineering professional institutions in poverty alleviation and environmental conservation. Keynote Address. 3rd International Engineering Convention, (IntEC2009), Damascus, Syria. 11-14 May.
12. ABANG ABDULLAH, A.A. (2009). Formation of engineers in Islamic countries – enhancing engineering graduate attributes. Keynote Address. International Engineering Education Conference (ICEE2009). Medinah, Kingdom of Saudi Arabia. 16-19 May.
13. HEJAZI, F, NOORZAEI, J, CHIENG, C.Y, JILANI, S, JAAFAR, M.S & ABANG ABDULLAH, A.A. (2009). Effect of soft story on structural response of high rise buildings. International Advanced Technology Congress, Kuala Lumpur, 3-5 November.
14. JAILANI, S, HEJAZI, F, NOORZAEI, J, ABANG ABDULLAH, A.A & JAAFAR, M.S. (2009). Assessment of residential RC framed buildings against earthquake. International Advanced Technology Congress, Kuala Lumpur, 3-5 November.
15. GHATEE, P, JAAFAR, M.S, NOORZAEI, J & ABANG ABDULLAH, A.A. (2009). Damages of granular materials subjected to uniaxial tensile and compressive stresses. International Advanced Technology Congress, Kuala Lumpur, 3-5 November.
16. AL-GORAFI, M.A., ABANG ABDULLAH, A.A, OTHMAN, I, JAAFAR, M.S & ANWAR, M.P. (2009). International Advanced Technology Congress, Kuala Lumpur, 3-5 November.
17. HEJAZI, F, NOORZAEI, J, JAAFAR, M.S, THANOON, W.A & ABANG ABDULLAH, A.A. (2009). Optimization of building structural response equipped active variable stiffness system under earthquake excitation. *Journal of Structural Engineering, India*. Vol. 36, No.4, pp155-162.

18. ABANG ABDULLAH, A.A, NOORZAEI, J, HEJAZI, F, JAAFAR, M.S, & ANWAR, P. (2009). Earthquake resistant housing designs and building systems. National Forum on earthquake and tsunami risks in Malaysia. Putrajaya International Convention Centre, Putrajaya, 29 September.
19. MOHAMMAD, P, KAMARIAH,D, ABANG ABDULLAH,A., SALIM, A (2010). Differences between post-earthquake housing in urban and rural areas. First International Conf on rural settlements,Tehran.
20. ABANG ABDULLAH, A.A. (2010). Career in Science, Engineering & Technology. Academy of Sciences, Malaysia Back to School Programme, Kuching, Sarawak. 23 June.
21. ABANG ABDULLAH, A.A. (2010). Disasters. Academy of Sciences, Malaysia Back to School Programme, Kuching, Sarawak. 15 July.A
22. ABANG ABDULLAH, A.A (2010). Engineering a disaster prone world: a professional response. Keynote Address. Proc of World Engineering Congress WEC2010, Kuching, Sarawak. 2-5 Aug.
23. ABANG ABDULLAH, A.A. (2010). IHLs producing engineers through education or training? How to incorporate both and yet meeting the requirements. MCED/EAC Engineering education summit. Kuching, Sarawak. 3 Aug.
24. ABANG ABDULLAH, A.A. (2010). Historical influences and cultural inhibitions in the development of Science, Engineering and Technology in Islamic Countries. Keynote Address. IKRAB International Seminar on Malayisa – West Asia Civilization and Culture. Universiti Kebangsaan Malaysia, bangi. 29-30 September.
25. ABANG ABDULLAH, A.A. (2010). Major research thrusts in engineering. Plenary Address. Malaysian Science and Technology Congress (MSET2010): Scaling New Heights in S&T for Sustainable National Development, Crystal Crown Hotel, Petaling Jaya. 9-11 November.
26. ABANG ABDULLAH ABANG ALI (2011) Nurturing the Engineering Team in Islamic Countries. International Engineering Convention (IntEC2011), Almaty, Kazakhstan, 26-28 October 2011.
27. ABANG ABDULLAH ABANG ALI (2011) Engineering Curriculum and Professional Ethics in the Islamic World International Conference on Engineering Professional Ethics and Education (ICEPEE' 11), Kuala Lumpur, Malaysia, 17 – 19 May 2011.
28. HOSSEIN NOORVAND, N. FARZADNIA, A. A. A ALI AND R. DEMIRBOGA (2011) Incorporation of Carbon Nano Tubes In Cement Composites ICONT2011 (International Conference on Nanotechnology - Research and Commercialisation), 6-9 June 2011.
29. HASAN NOORVAND, N. FARZADNIA, A. A. A ALI AND R. DEMIRBOGA (2011) Incorporation of Nano TiO₂ In Cement Composites ICONT2011 (International Conference on Nanotechnology - Research and Commercialisation), 6-9 June 2011.
30. PANJEHPOUR M, RASHID RSM, AZNIETA FN, ALI AAA. (2012) A review for characterisation of FRP composite in the concrete structures. 11th International Conference on Concrete Engineering and Technology 2012 (CONCET), 12-13 June 2012, Putrajaya.
31. ABANG ABDULLAH ABANG ALI (2013) International benchmarking in higher education graduate mobility, International Congress on Trends in Higher Education (ICTHE2013) Innovative and Entrepreneur University - Keynote Speaker, 31 May - 1 June 2013, Istanbul, Turkey.
32. MOSLIH AMER SALIH, ABANG ABDULLAH ABANG MOHAMMAD ALI, MUSTAFA AL BAKRI, RAMAZAN DEMIRBOGA (2013) Micro and Nano Structural Properties of Palm Oil Fuel Ash Geopolymer Cement, 9th Nanoscience and Nanotechnology Conference (Nano-TR-09), Erzurum Turkey, 24-28 June 2013.
33. MOSLIH AMER SALIH, ABANG ABDULLAH ABANG ALI, RAMAZAN DEMIRBOGA AND MUSTAFA AL BAKRI (2013) Properties of fresh palm oil fuel ash based geopolymer material, International Conference of Advanced Materials Engineering and Technology (ICAMET 2013), 28-29 November 2013, Bandung Indonesia.
34. ABANG ABDULLAH ABANG ALI (2013) Educating Engineers for a Sustainable Future, International Conference on Engineering Education 2013 (ICEE) Keynote Speaker, 25-27 December 2013, Madinah, Kingdom of Saudi Arabia.
35. ABANG ABDULLAH ABANG ALI (2014) Science, Engineering & Technology In Islamic Countries Way Forward, 1st International Young Engineers Convention 2014 (IYEC) Keynote Speaker, 18-20 April 2014, Faisalabad, Pakistan.

Books

TRIKHA, D.N. & ABANG ABDULLAH, A.A. (2004). Industrialised Buildings Systems. Penerbit Universiti Putra Malaysia & Construction Industry Development Board.

Research Grants

No	Project Title	Amount (RM)	Year	Source of Fund
1.	Industrialized Building System for housing construction	1,000,000	2012-2016	NAIM Engineering Sdn.Bhd.
2.	Mega Science Framework Study For Sustained National Development (2013-2050) Housing Sector	300,000	2013-2014	Academy of Sciences Malaysia
3.	Investigation of Geopolymer Cement from Ground POFA by Alkali-activation Method	246,320	2012-2014	MOSTI

Awards/Recognition (Current)

Num	Name of awards	Title	Award Authority	Award Type	Year
1.	State & Industry Awards : Johan Bintang Kenyalang (JBK)		Sarawak State Award	National	1998
2.	Research Medal : Gold Medal	Putra Block Building System	International Exhibition of Inventions and Innovations, Geneva, Switzerland	International	2001
3.	Patents	Putra Block – Interlocking Load Bearing Hollow Block Building System.	U.S., U.K., Swiss & Malaysian Patents.	International	2002
4.	State & Industry Awards :	Putra Block Building System	CIDB R&D Award	National	2002
5.	Research Medal : Silver Medal	Putra Block Building System	British Invention Show, London	International	2004
6.	Research Medal : Gold Medal	Putra Block Building System	R&D Expo IPTA	International	2005
7.	State & Industry Awards : Bronze Medal	Putra Block Building System	MBAM	National	2005
8.	State & Industry Awards : Dato'	Dato' Paduka Mahkota Selangor (DPMS)	Selangor State Award	National	2008

Professional Services/Consultation

No	Year	Title	Authority	Amount
1.	1994	Consultant, National Housing Policy.	Ministry of Housing and Local Government	RM200,000
2.	1995	Project Team Leader, "Toward the Engineering Vision"	IEM/BEM/TNB	RM100,000

Student Supervision

PhD (Main Supervisor)

No.	Name	Title	Status
1.	Shahriar Shahbazpanahi (GS19917)	Modeling Discrete Crack Of Joint With External And Internal FRP.	Ongoing
2.	Nima Farzadnia (GS25991)	Development Of Nanotechnology In High Performance Concrete.	Ongoing
3.	Mohammad Panjehpour (GS26480)	Shear Behaviour Of RC Deep Beams Strengthened By FRP Sheet.	Ongoing
4.	Samira Jilani Kojouri (GS28426)	Incorporation Of Self Compacting Concrete With POFA.	Ongoing
5.	Moslih Amer Salih (GS28688)	Investigation of Geopolymer Cement From Ground POFA By Alkali-activation Method.	Ongoing
6.	Mugahed Yahya Hussein Amran (GS35979)	A Precast Foamed Concrete Sandwich Panels	Ongoing

MS with thesis (Main Supervisor)

No.	Name	Title	Status
1.	Hossein Noor Vand (GS27627)	Incorporation Of Nano-sio2 In Production Of Sustainable POFA Concrete	Graduated
2.	Hassan Noor Vand (GS27628)	The Effect Of RHA On Strength Of Concrete With Incorporation Of Nano Tio2	Graduated
3.	Ernaleza Mahsum (GS31670)	Development of Lightweight Putra Block Using Oil Palm Shell	Ongoing
4.	Aniyah Mahfuzah Mohd Zainudin (GS31156)	Development of Foam Concrete Putra Block	Ongoing
5.	Munirah Mohd Ramly (GS31156)	Size Modification of Mortarless Interlocking Hollow Putra Block For Load Bearing Wall	Ongoing