

LIST OF PUBLICATIONS @EHSAN AHMED

A. Journal Publications:

1. **E. Ahmed**, F. Legeron, and M. Oualha (2015). Steel fiber as replacement of minimum shear reinforcement for one-way thick bridge slab; *Journal of Construction and Building Materials*; Elsevier Science (UK), **78**, 303-314.
2. F. Legeron, E. Desjardins, and **E. Ahmed** (2014). Fuse performance on bracing of concentrically steel braced frames under cyclic loading; *Journal of Constructional Steel Research*, Elsevier Science (UK); Vol.95; 242–255.
3. **E. Ahmed** and W.H. Badaruzzaman (2013). Vibration Performance of Profiled Steel Sheet Dry Board Composite Floor Panel; *KSCE Journal of Civil Engineering*; Korea, 17(1):133-138.
4. H.R. Sobuz, **E. Ahmed**, N.M. Sutan, N.M. Sadiqul H, M. A. Uddin, M.J. Uddin (2012). Bending and time-dependent responses of RC beams strengthened with bonded carbon fiber composite laminates; *Construction and Building Materials*, Elsevier Science, **UK**, **29**, 597-611.
5. **E. Ahmed** and W.H. Badaruzzamn (2011). Evaluation of Natural Frequency and Damping of Profiled Steel Sheet Dry Board Composite Panel. *Journal of Engineering Science and Technology (JESTEC)*, School of Engineering, Taylor's University, Vol.6, 695-708.
6. H.R. Sobuz, **E. Ahmed** (2011). Structural strengthening of RC beams externally bonded with different CFRP laminates configurations. *Journal of Civil Engineering (IEB)*, 39 (1) 33-47.
7. H.R Sobuz, **E. Ahmed** and N.M. Sutan (2011). Deflection and cracking behavior of RC beams externally reinforced with carbon fiber laminates. *Journal of Reinforced Plastics and Composites*, November; 30 (21): 1807-1818.
8. **E. Ahmed** and H.R. Sobuz (2011). Flexural and Time-Dependent Performance of Palm Shell Aggregate Concrete Beam. *KSCE Journal of Civil Engineering*, Korean Society of Civil Engineers, Springer Publications, 15(5): 859-865.
9. MF Rosli, A Rashidi, E. Ahmed (2011). The Effect of Reinforcement, Expanded Polystyrene (EPS) and Fly Ash On The Strength of Foam Concrete. *Journal of Civil Engineering, Science and Technology*, 2 (2), 1-7.
10. E. Ahmed and H.R. Sobuz (2011). Immediate and Long-Term Deflection of Carbon Fiber Reinforced Polymer (CFRP) Concrete Beams. *Key Engineering Materials* Vols. 471-472 pp 73-78.
11. HR Sobuz, E Ahmed (2011). Flexural performance of RC beams strengthened with different reinforcement ratios of CFRP laminates *Key Engineering Materials* 471, 79-84.
12. **E. Ahmed** and H.R. Sobuz (2011). Experimental Investigation on Long-term Behavior of CFRP Strengthened RC Beams under Sustained Loads. *Journal of Structural Engineering and Mechanics*, Techno Press, Vol. 40 (1): 105-120.

13. HR Sobuz, E. Ahmed, N.M.S. Hasan, M.S. Islam (2010). Study on Removal of Brick Clay Salinity in the Manufacture of Conventional Structural Bricks. *International Journal of Civil and Structural Engineering*, Integrated Publishing services, Vol. 1(3): 466-476.
14. E. Ahmed, H.R. Sobuz and H.L.J Bong (2010). Flexural and Cracking Performance of Reinforced Concrete beam Strengthened with Ferrocement Laminates. *ASEAN Journal on Science & Technology for Development*. November, Vol. 27 (2): 51-60.
15. A.R. Buiyan and E. Ahmed (2007). Analytical Expression for Evaluating Stress-Deformation Response of Rubber layers under Combined Action of Compression and Shear. *Journal of Construction and Building Materials*. Elsevier Science UK, Vol. 21(9), 1860-1868.
16. H. Ali, M.J Alam and E. Ahmed (2006). Performance of Hydraulic Jump on various glacises. *Technical Journal of River Research institute (RRI)*, Bangladesh, 10(1),15-24.
17. Z. Wu, H Yuan, T Asakura, H Yoshizawa, A Kobayashi, Y Kojima and E Ahmed (2005). Peeling behavior & spalling resistance of bonded bi-directional fiber reinforced polymer sheets. *Journal of composites for Construction*, ASCE, USA 9(3), 214-226.
18. Zhishen Wu, Hong Y, Kojima and E. Ahmed (2005). Experimental & analytical studies on peeling and spalling resistance of uni-directional FRP sheets bonded to concrete. *Journal of composite science & technology*, Elsevier Science, UK, Vol. 65(7), 1088-1097.
19. E. Ahmed and W.H. Badaruzzaman (2005). Finite element prediction on the structural performance of profiled steel sheet dry board structural composite system proposed as a disaster relief shelter. *Journal of Construction and Building Materials*, Elsevier Science, UK, 19(4), pp. 285-295.
20. E. Ahmed and W.H. Badaruzzaman (2003). Finite Element Prediction of the Behavior of Profiled Steel Sheet Dry Board Folded Plate Structures – An Improved Model. *International Journal of Engineering, Materials and Energy Research Center*, Iran, Transaction B: Applications, 16(1), 21-32.
21. E. Ahmed and W.H. Badaruzzaman (2003). Equivalent Elastic Analysis of Profiled Metal Decking using Finite Element Method. *International Journal of Steel Structures*, South Korea, 3(1), 9-17.
22. W.H. Badaruzzaman, M.F.M. Zain, A.M. Akhand, and E. Ahmed (2003). Dry Board as Load Bearing Element in the Profiled Steel Sheet Dry Board Floor Panel System - Structural Performance and Applications. *Journal of Construction and Building Materials*, Elsevier Science, UK, 17(4), 289-297.
23. E.Ahmed, W.H. Wan Badaruzzaman, and H.D. Wright (2002). Two-way bending behaviour of profiled steel sheet dry board composite panel system, *Thin-Walled Structures*, Elsevier Science, UK, 40(11), 971-990.
24. E.Ahmed, W.H. Badaruzzaman, and H.D. Wright (2000). Experimental and Finite Element Study of Profiled Steel Sheet Dry Board Folded Plate Structures. *Thin-Walled Structures*, Elsevier Science, UK, 38(2), 125-143.

25. W.H. Badaruzzaman, E.Ahmed, and A.R. Khalim (1996). Out-of Plane Bending Stiffness Along the Major Axis of Profiled Steel Sheet Dry Board Composite Panels. *Jurnal Kejuruteraan* 8, UKM, Malaysia, 79-95.
26. E.Ahmed, W.H. Wan Badaruzzaman, and A.R. Khalim (1996). A Simplified Elastic Composite Floor Section Analysis with Incomplete Interaction. *Jurnal Kejuruteraan* 8, UKM, Malaysia, 67-78.

B. Conference Papers:

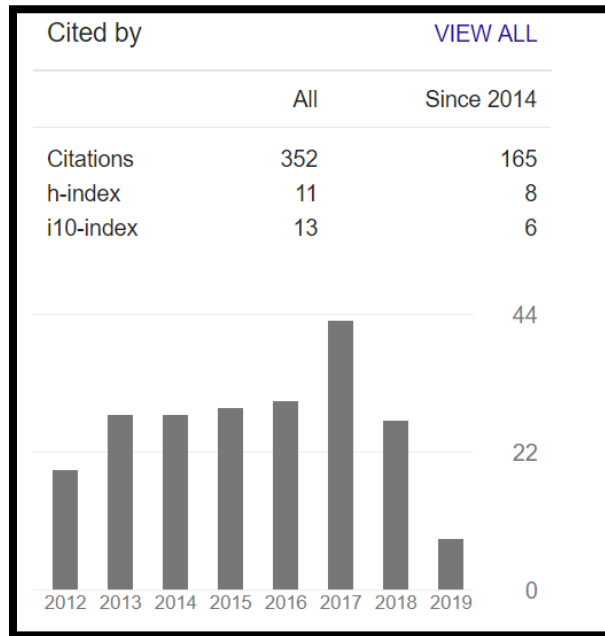
1. Ehsan Ahmed (2018). Dynamic Analysis of PSSDB Floor panel subjected to Human-induced forces. *CSCE (Canadian Society of Civil Engineers) Annual Conference*, 6th International structural speciality Conference, Fredericton, **June 13-16**.
2. Ehsan Ahmed (2017). Web based problem solving system for the learner motivation of Engineering students; Oral Presentation, SFU Harbour Centre, Vancouver; *BCNET Conference*, April 25-27.
3. Ehsan Ahmed and Musfiq Rahman (2016). Impact of software usage on fundamental Engineering courses. *WCCCE 2016-The 21st Western Canadian Conference on Computing Education*: May 6-7.
4. Mohamed Ouahla, Frédéric Légeron, Marc Demers, Ehsan Ahmed (2012). Structural Deep Slab Bridge with Fiber Reinforced Concrete. *3rd International Structural Specialty Conference, Edmonton, Alberta*, June 6-9.
5. E. Desjardins, F. Legeron & E. Ahmed (2012). Performances of Ductile Fuses in Reducing Seismic Demand on Connections of Concentrically Steel Braced Frames. *15th World Conference on Earthquake Engineering*, Lisbon, Portugal, September 24-28.
6. Habibur Rahman Sobuz, Ehsan Ahmed (2010). Time-Dependent Deflection and Debonding Behavior of Reinforced Concrete Beam Strengthened with FRP Laminates. *Proceedings of the 3rd Engineering Conference (EnCon 2010)*, Kuching, Sarawak, Malaysia April 14-16.
7. Ehsan Ahmed and Habibur Rahman Sobuz, Liew Yu Voon (2010). Performance of Oil Palm Shell (OPS) as a Replacement Coarse Material in the Structural Concrete Production, *Proceedings of the 3rd Engineering Conference (EnCon2010)*, Kuching, Sarawak, Malaysia April 14-16.
8. Ehsan Ahmed, Habibur Rahman Sobuz and Liew Yu Voon (2010). Deflection of Oil Palm Shell (OPS) aggregate concrete beams under sustained loading. *World Engineering Congress 2010, Conference on Engineering and Technology Education 2nd – 5th August*, Kuching, Sarawak, Malaysia.
9. Ehsan Ahmed, Ghazali Bin Ahmad, Wan Hamidon Wan Badaruzzaman and Sinin Hamdan (2010). Natural frequency analysis of Profiled Steel Sheet Dry Board Composite Panel. *World Engineering Congress 2010, Conference on Engineering and Technology Education 2nd – 5th August*, Kuching, Sarawak, Malaysia.

10. Habibur Rahman Sobuz and Ehsan Ahmed (2010). An Analytical Investigation on Deflection Performance of RC Beams Strengthened with CFRP Sheets, *World Engineering Congress 2010*, Conference on Engineering and Technology Education, Kuching, Sarawak, Malaysia.
11. Ehsan Ahmed, Habibur Rahman Sobuz and W.H. Wan Badaruzzaman (2009). Flexural and Long-term Deflection Performance of Palm Shell Aggregate Concrete Beams. International Conference on Building Science and Engineering (ICON-BSE 2009); The Puteri Pacific Hotel Johor Bahru; Faculty of Civil and Environmental Engineering, University Tun Hussein Onn, Malaysia (UTHM), December 14–15.
12. Ehsan Ahmed, Bong Hin Lee, and Habibur Rahman Sobuz. (2009). An Experimental Study on the Performance of Reinforced Concrete Beam Strengthened with Ferrocement Laminates. International Conference on Building Science and Engineering (ICON-BSE 2009); at The Puteri Pacific Hotel Johor Bahru; Faculty of Civil and Environmental Engineering, University Tun Hussein Onn, Malaysia (UTHM), December 14–15.
13. Ehsan Ahmed (2008) A study on the Long-term deflection of externally bonded FRP sheet strengthened beams. International seminar on Civil and infrastructure Engineering,; Faculty of Engineering, Universiti Teknologi Mara Malaysia; Shah Alam, Selangor, Malaysia, June 11-12.
14. Abu Saleh Ahmed, Ehsan Ahmed, Mahbub Hasan and Sinin Hamdan (2007). Prospects of Biogas Production Utilizing the Sewage Waste Water. [1st Engineering Conference in Energy and Environment \(EnCon 2007\)](#) Faculty of Engineering, Universiti Malaysia Sarawak. Crowne Plaza Riverside Hotel, Kuching, Sarawak, Malaysia. December 27th - 28th.
15. Ehsan Ahmed and Ahmed Lebbe Mohamed Mauroof (2007) Using Software in the Teaching of Engineering Courses: Benefits and Pitfalls. Academic Quality symposium Faculty of Engineering, Unimas. 5th December.
16. Ehsan Ahmed and Wan Hamidon Wan Badaruzzaman (2007). Profiled Steel Sheet Dry Board Folded Plate Structure as an Emergency Shelter for a Disaster Relief Situation. 1st International Conference on Modern Design, Construction and Maintenance of Structures, Hanoi, Vietnam. December 10-11.
17. W.H. Wan Badaruzzaman, H. Awang, and E. Ahmed, (2006). Development of Folded Plate Profiled Steel Sheet Dry Board (PSSDB) Roofing System. Proceeding of the 6th Asia-Pacific Structural Engineering & Construction Conference APSEC 2006, Kuala Lumpur.
18. E. Ahmed and W.H. Wan Badaruzzaman (2006). Bondek II/ Cemboard Composite Floor Panel: Development, Structural Performances and Applications. Proceedings of the Tenth East Asia-Pacific on Structural Engineering and Construction (EASEC-10), Bangkok, Thailand, pp. 591 – 596.
19. A. Rahman Bhuiyan, Ehsan Ahmed and M. Rafiqul Islam (2005). FE stress analysis of laminated rubber bearings under compression and shear. *Int. Symposium on Innovation & Sustainability of Structures in Civil Engineering*. Southeast University, Nanjing, China 20-22, Nov. 2005.

20. H. M. Diab, Zhishen Wu, Ehsan Ahmed (2005). Analytical study on long-term deflections of beams strengthened by prestressed FRP sheets. *Int. Symposium on Innovation & Sustainability of Structures in Civil Engineering*. Southeast University, Nanjing, China.
21. E. Ahmed, W.H. Wan Badaruzzaman (2002). Finite Element Analysis of Dry Board Panel Reinforced by Profiled Steel Sheet Idealized as an Orthotropic Plate. *Proceeding of the 5th International Congress Advances in Civil Engineering ACE2002*, Istanbul, pp. 705-714.
22. E. Ahmed, W.H. Wan Badaruzzaman, A.R. Khalim, and, K.A. Taib (2001). Analysis and Experiments of a Composite Folded Plate Roof Structures. *Proceeding of the International Conference on Construction Technology CONTEC 2001*, Kota Kinabalu, pp. 39-50.
23. E. Ahmed, W.H. Badaruzzaman & MJ Alam, H. Ali (2001). Finite element elastic analysis of Profiled steel sheet dry board folded plate structure. *Proceeding of the First Annual Paper meet and Intⁿ. Conference on Civil Engg.*, Bangladesh. Nov 3.
24. M.J Alam, H. Ali, E. Ahmed (2001). Repair and strengthening of the existing RC structural elements for future earthquake. *Proceeding of the First Annual Paper meet and Intⁿ. Conference on Civil Engg.*, Bangladesh. Nov 3.
25. M.J Alam, H. Ali, E. Ahmed (2001). On seismic structural planning of RC buildings. *Proceeding of the First Annual Paper meet and International Conference on Civil Engg.* Bangladesh. Nov. 03.
26. E. Ahmed, W.H. Wan Badaruzzaman, and H.D. Wright (2000). Finite Element Elastic Analysis of Profiled Steel Sheeting Dry Board Single Span Composite Panels, *Proceeding of the 6th ASCCS International Conference Steel-Concrete Composite Structures*, Los Angeles, pp. 1083-1090.
27. W.H. Wan Badaruzzaman, A.M. Akhand, E. Ahmed, and S.A. Osman (1999). Bondek II/Cemboard Composite Panel System. *Proceeding of the World Engineering Congress & Exhibition WEC '99*, Shah Alam, Malaysia, pp.31-35.
28. W.H. Wan Badaruzzaman, A.M. Akhand, K. M. Yusof, N.A. Mohd Kasby, E. Ahmed, S.A. Osman, A. Ismail, and M.F.M. Zain (1999). Fire Resistance Performance of Bondek II/ Cemboard Composite Flooring Panel (BCCFP) System, *Proceeding of the World Engineering Congress & Exhibition WEC '99*, Shah Alam, Malaysia pp. 73-80.
29. W.H. Wan Badaruzzaman, E. Ahmed, S.A. Osman, and A. M. Akhand (1999). Dry Boards in a Load bearing Structural Building Panel System. *Proceeding of the World Engineering Congress & Exhibition WEC '99*, Shah Alam, Malaysia, pp. 25-30.
30. W.H. Wan Badaruzzaman, E. Ahmed, and A.M. Akhand (1998). Application of Dry Boards in an Innovative Composite Panel System. *pembentangan di 'Symposium on Latest Technologies Development on Mineral Bonded Board'*, anjuran FRIM, Kepong, Malaysia.
31. W.H. Wan Badaruzzaman, E. Ahmed, and A.R. Khalim (1996). Behaviour of Profiled Steel Sheet Dry Board System. *Proceeding of the CIB International Conference on Construction Modernization and Education*, Beijing, pp. 1-6 (CD-ROM).
32. E. Ahmed, W.H. Wan Badaruzzaman, and A.R. Khalim (1996). Composite Partial Interaction of Profiled Steel Sheeting Dry Board Floor Subject to Transverse Loading.

Proceeding of the CIB International Conference on Construction Modernization and Education, Beijing, pp. 1-6 (CD-ROM).

C. Publications/Citations Data



Current Publication Standing	Google Scholar
H-index	11
Citations	352
No. of Publications listed	44