

Curriculum Vitae



Nurul Noraziemah Mohd Pauzi, Ph.D.

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Scopus Profile: <https://www.scopus.com/authid/detail.uri?authorId=57204243109>

I. EDUCATION

Doctor of Philosophy in Civil Engineering and Structure	Nov 2015 – Nov 2019
Faculty of Engineering and Built Environment, Universiti Kebangsaan Malaysia (UKM)	
Graduated with Excellence Thesis	
Master of Science in Construction Management	Sept 2013 – Feb 2015
Faculty of Civil Engineering, Universiti Teknologi Malaysia (UTM)	
Graduated with Highest Distinction, CGPA: 3.89/4.00	
Best Student in Construction Management	
Bachelor of Engineering in Civil	Sept 2009 – Aug 2013
Faculty of Civil Engineering, Universiti Teknologi Malaysia (UTM)	
Graduated with Second Class Honours, CGPA: 3.44/4.00	
Matriculation Certificate in Physical Science	May 2008 – May 2009
Kolej Matrikulasi Pulau Pinang (KMPP)	
Sijil Pelajaran Malaysia (SPM)	Jan 2006 – Dec 2007
SM Teknik Tuanku Jaafar (SMTTJ)	

II. AWARDS

- **2021, Associate Fellow (AFHEA) Award** in UK Professional Standards Framework for Teaching and Learning Support in Higher Education, AdvanceHE
- **2020, Best Presenter Award** in the 5th International Conference on Advanced Technology & Applied Sciences and 6th Malaysia-Japan Joint International Conference (ICaTAS-MJJIC 2020)
- **2019, Excellent Thesis** in Oral Examination of Doctor of Philosophy in Civil Engineering and Structure, Universiti Kebangsaan Malaysia
- **2019, Bronze Medal (Engineering Cluster) Award** in Three Minute Thesis Competition (3MT UKM), Universiti Kebangsaan Malaysia
- **2017, Best Paper Award** in 19th International Conference on Environmental and Building Engineering (ICEBE 2017)
- **2015, Best Student Award** in 54th Convocation Ceremony of Universiti Teknologi Malaysia
- **February 2010 – September 2012, Dean List Award** for Semester I 2012/2013, Semester I 2011/2012; Semester II 2010/2011, and Semester II 2009/2010, Universiti Teknologi Malaysia

III. EMPLOYMENT HISTORY

- Lecturer (January 2021 – June 2022)
 - *Department of Civil and Construction Engineering, Faculty of Engineering and Science, Curtin University Malaysia, CDT 250, 98009, Miri, Sarawak.*
- Associate Lecturer (February 2020 – December 2020)
 - *Department of Civil and Construction Engineering, Faculty of Engineering and Science, Curtin University Malaysia, CDT 250, 98009, Miri, Sarawak.*
- Graduate research assistant (December 2015 – December 2018)
 - *Department of Civil Engineering, Faculty of Engineering and Built Environment, Universiti Kebangsaan Malaysia, 43600 UKM Bangi, Selangor Darul Ehsan.*
- Civil engineer (February 2015 – October 2015)
 - *B-30-01 The Ascent, Paradigm No. 1, Jalan SS7/26A, Kelana Jaya, Paradigm, 47301 Petaling Jaya, Selangor.*

IV. AREA OF RESEARCH

- Construction materials, Concrete Technology
- Glass
- Energy Management

V. PUBLICATIONS

- **Publication in Journals**
 1. **Nurul Noraziemah Mohd Pauzi**, Mohamad Shazwan Ahmad Shah (2022). Durability Properties of Concrete Containing Waste Cathode Ray Tube Glass as Fine Aggregates – A Review. *Journal of Environmental Treatment Techniques, Volume 10, Issue 1, pp 10-17.*
 2. **Pauzi, N. N. M.**, Jamil, M., Hamid, R., & Zain, M. F. M. (2021). The effect of melted-spherical and crushed CRT funnel glass waste as coarse aggregates on concrete performance. *Journal of Building Engineering, Volume 35, 102035, pp 1-19.* DOI: 10.1016/j.job.2020.102035. First quartile (Q1); Impact factor = 3.379; ISSN: 2352-7102
 3. Shazwan, Mohamad, Ahmad Shah, Sarehati Umar, Chee-loong Chin, **Nurul Noraziemah Mohd Pauzi**. (2021). High-Cycle Fatigue in Concrete Through the Theory of Critical Distances: From Perspective of Water-Cement Ratio. *Malaysian Journal of Civil Engineering, Volume 3, pp 79–83.*
 4. **Nurul Noraziemah Mohd Pauzi**. (2021). A Review on Compressive Strength of Concrete Containing Waste Cathode Ray Tube Glass as Aggregates. *Civil and Sustainable Urban Engineering, Volume 1, Issue 1, pp 1–14.* Google Scholar.
 5. **Nurul Noraziemah Mohd Pauzi**, Nur Izie Adiana Abidin, Maslina Jamil (2021). Potential Use of Spherical Glass Sourced from Cathode Ray Tube Funnel Glass for the Application as Coarse Aggregate in Concrete. *Journal of Applied Science and Engineering, Volume 25, Issue 3, pp 437–45.* Third quartile (Q3); Impact factor = 0.496; ISSN = 1560-6686
 6. **Nurul Noraziemah Mohd Pauzi**, Peck Kah Yeow, Zhu Hang Go, Tony Hadibarata. (2021). Overview on the Implementation of Green Building Design. *International*

Journal of Advanced Research in Technology and Innovation, Volume 3, Issue 3, pp 35 – 48. Google Scholar.

7. Aidin Nobahar Sadeghifam, Iman Kiani, **Nurul Noraziemah Mohd Pauzi**, Saman Mostfapour. (2020). Analysis of windows element for energy saving in a tropical residential building in order to reduce the negative environmental impacts. *Journal of Environmental Treatment Techniques*, Volume 9, Issue 1, pp 1-6. DOI: 10.47277/jett/9(1)6. Fourth quartile (Q4); Impact factor = 0.564; ISSN: 2309-1185
8. **Nurul Noraziemah Mohd Pauzi**, Azri Zainal Abidin, Muhammad Fauzi Mohd Zain. (2020). Characterization of spherical waste CRT glass as aggregates in concrete, *International Journal of Advanced Research in Engineering Innovation*, Volume 2, Issue 3, pp 1-11. MyJurnal; ISSN: 2682-8499
9. **Pauzi, N. N. M.**, Jamil, M., Hamid, R., Abdin, A. Z. & Zain, M. F. M. (2019). The effects of using cathode ray tube (CRT) glass as coarse aggregates in high-strength concrete subjected to high temperature. *Journal of Material Cycles and Waste Management*, 1–12. DOI:10.1007/s10163-019-00893-7. Second quartile (Q2); Impact factor = 2.193; ISSN: 1611-8227
10. **Pauzi, N. N. M.**, Jamil, M., Hamid, R., Abdin, A. Z. & Zain, M. F. M. (2019). Influence of spherical and crushed waste cathode-ray tube (CRT) glass on lead (Pb) leaching and mechanical properties of concrete. *Journal of Building Engineering* 21: 421–428. First quartile (Q1); Impact factor = 3.379; ISSN: 2352-7102
11. **Pauzi, N. N. M.**, Jamil, M., Hamid, R. & Zain, M. F. M. (2018). Influence of morphology of cathode-ray tube glass as coarse aggregates on compressive strength and water absorption of concrete. *Solid State Phenomena* 280: 399–409. Third quartile (Q3); Impact factor = 0.400; ISSN: 1662-9779
12. **Pauzi, N. N. M.**, Karim, M. R., Jamil, M., Hamid, R. & Zain, M. F. M. (2017). A study of the replacement of natural coarse aggregate by spherically-shaped and crushed waste cathode ray tube glass in concrete. *World Academy of Science, Engineering and Technology: International Journal of Structural and Construction Engineering* 11(12): 1610–1616. Fourth quartile (Q4); Impact factor = 0.268; ISNI:9195-0263
13. Abidin, N. I. A., Zakaria, R., **Pauzi, N. N. M.**, Alqaifi, G. N., Sahamir, S. R. & Shamsudin, S. M. (2017). Energy efficiency initiatives in a campus building. *Chemical Engineering Transactions* 56: 1–6. Doi:10.3303/CET1756001. Third quartile (Q3); Impact factor = 0.310; ISSN: 2283-9216

- **Publication in Proceeding Journals**

1. **Pauzi, N. N. M.**, Sadeghifam A. N. & Zain, M. F. M. (2021). Mix design of high-strength concrete incorporating spherical and crushed CRT funnel glass waste. *IOP Conference Series: Materials Science and Engineering*, 1051 (012061). DOI:10.1088/1757-899X/1051/1/012061. Scopus and Emerging sources citation index; SJR: 0.198; ISSN: 1757-8981
2. Nur Izie Adriana Abidin, Rozana Zakaria, **Nurul Noraziemah Mohd Pauzi**, Mushairry Mustaffar, Abd Latif Saleh, Masilah Bandi. (2019) Building energy intensity measurement for potential retrofitting of zero energy building in higher learning institution, *IOP Conference Series: Materials Science and Engineering*, 620, pp 1-15. DOI: 10.1088/1757-899X/620/1/012070. Scopus and Emerging sources citation index; ISSN: 1757-8981

- **Publication in Book Chapter**

1. **Nurul Noraziemah Mohd Pauzi**, Rozana Zakaria, Nur IzieAdiana Abidin, Safrin Rifaya Gulam Dashtagir, and Nadirah Darus. (2021). Attitude towards Energy Consumption and Strategies to Encourage Energy Efficiency in a Building. In Sustainable Building Retrofitting, 1st ed., pp 1-123. Johor, Malaysia: Penerbit Univesiti Tun Hussein Onn Malaysia.

VI. PRESENTATIONS

- The World Sustainable Construction Conference Series 2021 (WSCC 2021), Virtual Conference, 15 – 16 October 2021, A review on the usage of cathode ray tube glass waste as aggregates in concrete production, oral presentation.
- International Multidisciplinary Conference on Social Sciences, Management, Education and Technology 2021 (IMCSMET 2021), Virtual Conference, 5 June 2021, Overview on the implementation of green building design in Malaysia, Singapore, Vietnam, and Thailand, oral presentation.
- International Conference on Science, Technology and Interdisciplinary Research (IC-STAR 2020), Virtual Conference, Kuala Lumpur, Malaysia, 8th – 9th December 2020, Potential use of spherical glass sourced from cathode ray tube funnel glass for the application as coarse aggregate in concrete, oral presentation.
- 5th International Conference on Advanced Technology & Applied Sciences and 6th Malaysia-Japan Joint International Conference (ICaTAS-MJJIC 2020), Virtual Conference, Kuala Lumpur, Malaysia, 7th – 9th October 2020, Mix design of high-strength concrete incorporating spherical and crushed CRT funnel glass waste, oral presentation.
- International Conference on Management, Education, Social Sciences and Innovation, Virtual Conference, Kuala Lumpur, Malaysia, 11th July 2020, Characterization of spherical waste CRT glass as aggregates in concrete, oral presentation.
- International Conference on Sustainable Material (ICoSM) in Makkasan Bangkok, Thailand. 16th April 2018. Influence of morphology of cathode-ray tube glass as coarse aggregates on compressive strength and water absorption of concrete, oral presentation.
- 19th International Conference on Environmental and Building Engineering (ICEBE) in Kuala Lumpur, Malaysia. 11th – 12th December 2017. A study of the replacement of natural coarse aggregate by spherically shaped and crushed waste cathode ray tube glass in concrete, oral presentation.

VII. RESEARCH GRANTS

- 2022. Self-healing mechanism of bacteria-based fiber in cathode ray tube (CRT) glass concrete. FRGS. Project member. On-going.
- 2022. Investigation of the effects of constituent materials and mix composition on abrasion resistance of concrete pavement. National MOA between Curtin University Malaysia and Jabatan Kerja Raya Sarawak. Project leader. On-going.
- 2021. Evaluation of the performance of adsorbent porous concrete for wastewater and polluted stormwater treatment. International MOA between Curtin University Malaysia and Sharq Cement Product Company. Project leader. On-going.
- 2021. Development of sustainable adsorbent porous concrete for wastewater management and pre-treatment. Curtin Malaysia Higher Degree by Research (CMHDR)/ Curtin Malaysia Postgraduate Scholarship (CMPRS). Full scholarship. Project leader. On-going.
- 2020. Developing CurtinCheck as infographic mapping tool to monitor student's engagement towards online teaching and learning, Curtin Malaysia Teaching Innovation Projects (CMTIP). RM2000. Project member. Completed.

- 2015. Development of sustainable decorative concrete for structural application using spherical CRT waste glass (AP-2015-002). RM 250,000.00. PhD student. Completed.

VIII. MEMBERSHIP OF PROFESSIONAL ACTIVITIES

- Member of Board of Engineers Malaysia (BEM), 2014 – present, national level
- Member of Institution of Engineers, Malaysia (IEM), 2021 – present, national level

IX. COMMITTEES

- 2021 – present, editorial board for a journal, Civil and Sustainable Urban Engineering

X. SERVICE/OTHER RELEVANT EXPERIENCE/ PROJECTS

Reviewer of academic journals/academic conferences

- 2021 - 8 articles from Construction and Building Materials; 3 articles from the 4th International Conference on Physics, Mathematics and Statistics; 2 articles from the 6th International Conference on New Material and Chemical Industry
- 2020 – 1 article from 4th International Conference on Mechanical, Electric and Industrial Engineering (MEIE2021); 2 articles from the 6th Inter Conf on New Material and Chemical Industry; 1 article form 4th International Conference on Physics, Mathematics and Statistics
- 2019 – 1 article from Construction and Building Materials

Committee member in academic seminar/conferences

- 2021. Secretariat member in the ‘Webinar on Engineering Accreditation Principles and Requirements: Compliance to EAC Standard 2020’
- 2021. Secretariat member in the ‘Symposium of "Challenges and Opportunities of Infrastructure Development in Borneo’
- 2021. Technical committee for ‘International Symposium on Environment and Chemical Engineering 2021 (ISECE 2021)’

Publications Links

ID ORCID

<https://orcid.org/0000-0002-0815-1028>

Google scholar

<https://scholar.google.com/citations?user=d8QsrHUAAAAJ&hl=en>

Research gate

<https://www.researchgate.net/profile/Nurul-Mohdpauzi>

Scopus

<https://www.scopus.com/authid/detail.uri?authorId=57204243109>