



Brief Bibliography

Dr. Nur Hafizah Abd Khalid get appointed as senior lecturer at Universiti Teknologi Malaysia (UTM) in year 2016. She joined the Construction Material Research Group (CMRG) and the Waste Technology and Carbonation Research (WTCR) as research fellow. Following her job confirmation, she spent approximately 1 year at Hunan University as a Young Scientist under the Chinese Government's Talented Young Scientist Program (TYSP) from 2019 to 2020. During her tenure at Hunan University, she learned deep knowledge in foam material development and Carbon Capture, Utilization, and Storage (CCUS) technologies, collaborating closely with Professor Tung Chai Ling. In 2020, Dr. Nur Hafizah received the prestigious Next Innovator 2020 award from the Korean Government, specifically from the Republic of Korea (ROK)-ASEAN partnership, earning her a prize of USD 12,000. Subsequently, in 2021, she earned approximately USD 8,000 through the University's UTMShine award and being recognized as Young Scientist under Young Scientist Network Malaysia- Academy of Scientist Malaysia (YSN-ASM). Utilizing the funds earned, she developed her CCUS equipment setup; pelletization machine and small CO₂ chamber as her new platform of CCUS research. In 2023, she was honoured with the prestigious MINDS Young Woman Scientist 2023 award by the Malaysian Innovation and Design Society. At the same year, she secured an industry grant worth nearly USD 250,000 and recently she established a new CCUS Laboratory-a pioneering facility equipped with a state-of-the-art CO₂ chamber and specialized equipment. This laboratory is the first in Faculty of Civil Engineering, UTM and Malaysia serving as a dedicated hub for advancing CCUS research. This remarkable journey has been instrumental in shaping her career trajectory and expertise, particularly in the fields of CCUS technology, with a special focus on construction materials with foster high-impact national-international collaborations, and drive CCUS technology on a global scale.

PERSONAL DETAILS

Name	:	Nur Hafizah Abd Khalid
Gender	:	Female
Date of Birth / Age	:	15 June 1984 / 41
Nationality	:	Malaysian
Marital Status	:	Married
Address	:	Department of Structure and Materials, Faculty of Civil Engineering, Universiti Teknologi Malaysia, 81310 Johor Bahru, Johor, Malaysia
Tel	:	+6019 715 5316 (https://wa.link/2g0kep)
E-mail	:	nur_hafizah@utm.my
Website	:	https://people.utm.my/nurhafizah/
Expertise	:	Advanced Concrete Technology, Advanced Civil Engineering Materials, Waste Technology, Nano Technology Materials, Carbon Capture Utilisation and Storage (CCUS) Technology in Construction Materials
H-Index (WoS)	:	17 (https://www.webofscience.com/wos/author/record/2025916)
H-Index (SCOPUS)	:	19 (https://www.scopus.com/authid/detail.uri?authorId=57207963750)
H-Index (G. Scholar)	:	24 (https://scholar.google.com/citations?user=ouqPRsAAAAJ&hl=en)
H-Index (Researchgate)	:	21 (https://www.researchgate.net/profile/Nur-Hafizah-Abd-Khalid)

ACADEMIC QUALIFICATIONS

LEVEL OF EDUCATION	UNIVERSITY	STARTING YEAR	ENDING YEAR
Doctoral Philosophy (Civil Engineering)	Universiti Teknologi Malaysia	2012	2015
Master Engineering (Civil Engineering)	Universiti Teknologi Malaysia	2009	2011
Bachelor (Civil Engineering)	Universiti Teknologi Malaysia	2005	2008

PROFESSIONAL EXPERIENCES

LEVEL	UNIVERSITY	STARTING YEAR	ENDING YEAR
Senior Lecturer	Universiti Teknologi Malaysia, Malaysia	Jul 2016	recent
Inviting Researcher	Hanyang University, Korea	Dec 2014	Jan 2015
Inviting Researcher	Hunan University, China	May 2019	April 2020
Inviting Researcher	Hasanuddin University, Indonesia	Jul 2024	Aug 2024

RECOGNATIONS/AWARDS

RECOGNATION/AWARDS	ORGANISATION	STARTING YEAR	ENDING YEAR
Young Woman Scientist Award	Korea Woman Scientists & Engineers (Asia & Pacific Nation Network) Republic of Korea	2014	2014
PhD Thesis Merit Award	Universiti Teknologi Malaysia	2015	2015
Best Postgraduate 2016 Award	Universiti Teknologi Malaysia	2016	2016
Chancellor's Award 2016 (Royal Award)	Her Royal Highness Raja Zarith Sofiah Sultan Idris Shah	2016	2016
Talented Young Scientist Award (~USD 20,000)	Talented Young Scientis Programme (TYSP), Science and Technology Exchange Center (CSTEC), China	2019	2020
ROK-ASEAN (Next Innovator) Award (USD 12,000)	Republic of Korea (ROK)-ASEAN, Korea	2020	2020
UTMShine (~USD 9,000)	Universiti Teknologi Malaysia	2021	2021
Young Scientists	Young Scientists Network-Academy of Sciences Malaysia (YSN-ASM)	2022	recent
MINDS Young Women Scientist Award	Malaysian Invention and Design Society (MINDS)	2023	2023
PETRONAS-Academia Collaboration Dialogue (PACD) Award (~USD 250,000)	PETRONAS (Malaysia Oil and Gas Company)	2023	2025

REFERENCE

Zaiton Abdul Majid, Professor Universiti Teknologi Malaysia zaitonmajid@utm.my	Tung-Chai Ling, Professor Jinan University, China tungchailing@jnu.edu.cn / tcling611@yahoo.com
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