



The Engineering Institute of Canada

2023 Award Citation

EIC Fellow



Baiyu (Helen) Zhang

Nominated by the Canadian Society for Civil Engineering

Dr. Baiyu (Helen) Zhang is a Professor and Tier II Canada Research Chair in the Department of Civil Engineering at Memorial University. She is an internationally respected researcher on the handling of coastal oil and emerging contamination. Her research program explores a new dimension of coastal environmental engineering to achieve a shift towards improved engineering knowledge, eco-friendly technologies, and novel bio-products.

Dr. Zhang has led/co-led 49 research grants totaling more than 12 million Canadian dollars. She has (co-)authored over 300 publications with 151 peer-reviewed journal articles and (co-)supervised 50 thesis-based HQP. Dr. Zhang has held prominent leadership roles and significantly contributed to Canada's civil engineering profession. She has served as CSCE Memorial Faculty/Student Advisor and then Chair of the CSCE Newfoundland and Labrador Section for over 10 years.

She is an associate editor of the Canadian Journal of Civil Engineering and editor of the Journal of Hazardous Materials. She is a fellow of CSCE and member of Royal Society of Canada (RSC)'s College and has received many awards such as Memorial President's Award for Outstanding Research and NSERC Discovery Accelerator Supplements (DAS) Award. She has also served as Senior Advisor to the United Nations Development Program, and as Atlantic Region Director of the Canadian Association on Water Quality.

Ladies and gentlemen, and Ms. President, please welcome Helen Zhang as a Fellow of the Engineering Institute of Canada.