

LI, Peishan

RESEARCH AREA: Mass Engineered Timber, Tropical Timber Durability



Department of Architecture,
College of Design and Engineering,
National University of Singapore,
4 Architecture Drive, Singapore
117566

Email: peishanli@u.nus.edu

[LinkedIn](#)

Peishan is a Ph.D. Student and Research Assistant at the Department of Architecture, National University of Singapore. Her research project focuses on enhancing the durability of tropical mass engineered timber (MET) buildings, specifically developing architectural mitigation solutions against biological attacks.

To drive low-carbon, low-maintenance, low-toxicity strategies in sustainable construction, her research investigates circular timber treatments, architectural tectonics, CFD simulations. The interdisciplinary work bridges architecture, the built environment, biological sciences, and material sciences.

Prior her doctoral journey, she has received her Master of Architecture (M.Arch) from National University of Singapore and Bachelor of Architecture (B.Arch) from China University of Petroleum. Peishan's passion for material research was inspired by her professional experience at Kerry Hill Architects and RT+Q Architects, alongside construction practice at Tianhua Architecture. Beyond her academic pursuits, she has been learning German at the Goethe-Institut for five years and is deeply passionate about classical music.