

## BIOGRAPHY

Chonut Xaiyathoumma was born on September 28, 1997, in HouaPhanh province, Laos PDR. He completed his primary education at Ban ThatMueang School, ThatMueang village, HouaPhanh province, in the academic year 2007. For his secondary and upper secondary education, he attended ChanSawang secondary&high School, Sikhottabong district, Vientiane Capital, in the academic year 2015. He pursued his bachelor's degree in chemical engineering at National University of Lao, Vientiane Capital and graduated in academic year 2019. His undergraduate research focused on the design of vacuum bio-oil evaporator and bio-fuel characteristic study of evaporated oil from Yang-Na-oil. During his studies, he completed two internships, first at Beer-Laos brewery CO., Ltd for 45days, in line of production and waste water treatment & bio-gas, second at Bio-diesel plant of Lao-Agrotech public company (Laos). He also achieved two exchange programs, first was Erasmus plus to study in Babes-Bolyai University (Bio-Chem & Chemical engineering lab) and second was trainee in Toyohashi University of Technology (fluid mechanic lab) by JICA in 2019. He continued his education by pursuing a master's degree in chemical engineering at Suranaree University of Technology, starting in the academic year 2020. During his master's studies, he conducted research on papain crystallization using solvent freeze-out technique. Additionally, he presented his research findings at international conferences such as...TICHe2022, TICHe2023, Thailand, ISNSC-12&TBioS-3, 2023, Chiang Mai, ACTS2023 (Virtual Conference), Taiwan, TICHe2024, Ayutthaya, TBioS-4, 2024, Khon Kaen, the 2025 Pure and Applied Chemistry International Conference (PACCON2025), on Feb 13<sup>rd</sup>-15<sup>th</sup>, 2025, Nakhon Ratchasima, Thailand, and 7<sup>th</sup> ACTS2025, Busan, Korea. Furthermore, he actively engaged in various research activities such as an Exchange program on March 1<sup>st</sup> to June 1<sup>st</sup>, 2025, National Engineering Research Center of Industrial Crystallization Technology (NERCICT), Tianjin University, China and he also served as a teaching assistant, contributing to the enhancement of knowledge and research development in SUT.