



Choon Fu Goh

Associate Professor in Pharmaceutical Technology at the School of Pharmaceutical Sciences, Universiti Sains Malaysia

Title of the presentation: Engineering microneedles for innovative therapeutic solutions: Integrating design, delivery and translation

Short academic CV:

Choon Fu Goh earned his PhD from the School of Pharmacy at University College London and is currently an Associate Professor in Pharmaceutical Technology at the School of Pharmaceutical Sciences, Universiti Sains Malaysia. He leads the Goh Skin Research Group, focusing on mucosal and transdermal drug delivery, formulation design, and functional biomaterials for pharmaceutical and cosmeceutical applications. In 2025, he was appointed Visiting Professor at Chongqing University Three Gorges Hospital.

Since starting his academic career in 2016, Choon Fu has established an internationally recognised profile in cutaneous and mucosal drug delivery. His research spans biomaterials, microneedles, hydrogels, and nanostructured formulations, with emphasis on translating mechanistic insights into practical drug delivery systems. His work has highlighted bioactive compounds from Malaysian natural resources, including mitragynine from kratom and palm tocotrienol. In parallel, he develops sustainable cellulose hydrogel systems as biocompatible, animal-free, and cost-effective alternatives to synthetic polymers.

His achievements include the 2021 Crown Prince CIPTA ASEAN Innovation Award, a Gold Medal at the Malaysia Technology Expo 2024, and Young Scientist Awards from the Controlled Release Society and MyCRS. He is also the first Asian researcher to receive Transdermal Delivery Kydonieus Award in 2026. He has published 50 journal articles in leading journals, including Advanced Drug Delivery Reviews, Journal of Controlled Release, Drug Delivery and Translational Research, and Carbohydrate Polymers, while securing over RM1.88 million in competitive research funding.

He previously served on the editorial board of the International Journal of Cosmetic Science (2022–2024) and currently serves on the Young Scholars Editorial Board of the Journal of Pharmaceutical Analysis and the Young Investigator Editorial Board of the European Journal of Pharmaceutics and Biopharmaceutics. In 2026, he was appointed Co-chair of the International Committee of the CRS Local Chapters.