

## BIOGRAPHY



Professor Jo-Shu Chang is a Distinguished Professor and University Chair Professor of Department of Chemical Engineering at National Cheng Kung University (NCKU), Taiwan. He also serves as Director of Research Center for Circular Economy and Deputy Director of Research Center for Energy Technology and Strategy at NCKU. He received his Ph.D. degree from University of California, Irvine in 1993. His research interests cover biochemical engineering, environmental biotechnology and applied microbiology with a recent focus on microalgae-based CO<sub>2</sub> utilization for biofuels and biorefineries. Recently, his research interests have shifted to microalgae-based wastewater treatment and utilization of microalgal feedstock as aquaculture or livestock feeds. He plays an important role in Taiwan's renewable energy R&D and policymaking. He is the leading PI of the national energy project of Taiwan and has established one of the world-leading teams in the area of microalgae biorefinery and bio-based CO<sub>2</sub> capture and utilization. He has received numerous prestigious domestic and international academic awards, including three-time Distinguished Research Awards by Taiwan's Ministry of Science and Technology and 2014 Outstanding Scientist Award of the International Forum on Industrial Bioprocesses (IFIBiop). In 2015, he became fellow of American Institute of Medical and Biological Engineering (AIMBE). Professor Chang is very active in the international academic society. He has served as an executive committee member of Asia Federation of Biotechnology (AFOB) since 2008. He is currently the Editor/Associate Editor of four renowned international journals, including *Bioresource Technology*, *Biotechnology for Biofuels*, *Biochemical Engineering Journal*, and *Journal of Bioscience and Bioengineering*. He also serves as editorial board member of nearly 10 SCI-indexed journals. He has published over 460 SCI journal papers with a total citation of over 17,000 times and an h-index of 67 (Web of Science) and 83 (Google Scholar). He also authored ten books and owns nearly 50 patents. His research achievements were published in high impact and top-ranking journals and some of his developed technologies have also been commercialized.