

Charin Techapun

Professor of Practice Dr. Charin Techapun received a Doctorate Degree at Hiroshima Kokusai Gakuin University, Japan on Bioprocess Engineering. He has presently tenured by the Division of Biotechnology, Faculty of Agro-Industry, Chiang Mai University, Thailand since 1998. He currently has 72 publications in the international refereed journals (SCOPUS) with an h index of 21 and a total 1255 of citations by 1030 documents and 3 national patents.

His research interests include bioproducts and high value-added compounds production from agricultural and agro-industrial materials with zero waste processes. He has successfully applied for funding and served as project leader for more than 2.0 million US dollars. The notable research grants that he has received and participated in as either research project/program leader or co-project leader included.

(1) Research Projects involving a Pilot Plant of 3rd generation bio-ethanol production from agricultural wastes

(2) Research Project: Validation of Longan Extract Production Technology and Properties on the Quality, Health, and Commercial Potential Aspects as well as the Longan Extract Demonstration Plant and

(3) Research Project: The Production of Biofuels and High-Value Chemicals from Agricultural and Agro-Industrial Waste Materials Using Complete Zero Waste Process.

He also licenses the technology transfer from his research group to the real commercial sectors (P80 Natural Essence longan extracted by PM group) with investment projects of more than 30 million US dollars in the past 5 years.

In an international academic network-building capacity, Prof. Dr. Charin Techapun is one of the project leaders of the APEC Agricultural Technical Cooperation Working Group. He is also a project leader of the Research Network on Technological Assessment of Bioenergy and High Value-added Products Production from Agricultural Waste by Zero Waste Processes. This project was supported by the China-Thailand Cooperation Network in Bioenergy (NRCT-CAS).

He received the “Big Impact Award” for outstanding work in terms of impact on the Economy, Society, and Environment at least 4 awards both at national and international levels, such as the “STEP Innovation Award 2017” from the Thai Northern Science and Technology Park and later in 2020, received the “Diploma Platinum Award” from the Ministry of Development Found and Regional Policy, Republic of Poland, at the 13th International Invention and Innovation Show INTARG® 2020, Poland. This award is categorized for innovations to solve agricultural problems and transfer them to commercial production.

Administrative Experience

- Dean, Faculty of Agro-Industry, CMU (2009-2016)
- Founder Dean, Colleges of Maritime Studies and Management CMU (2016-2017)
- Assistant President, CMU (Planning and Budgeting) (2016-2017)
- Vice President, CMU (2018 – present)



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Education

- B.S. Biochemistry and Biochemical Technology
- M.S. Biotechnology
- Ph.D. Engineering (Bioprocess Engineering)