

ดร.พฤกษ์ ตั้งพร้อมพันธ์

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การศึกษา

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สาขาที่เชี่ยวชาญ

1. Extraction and separation of bioactive compounds.
2. Sugar separation.
3. Simulated moving bed technology.
4. Simulation and modelling in chemical and biological processes.

ผลงาน

1. S. Maneewan, P. Tangpromphan, A. Jaree, Separation of Vitexin and Iso-vitexin from Mung Bean Seed Coats Using a Three-Zone Simulated Moving Bed (SMB), Waste and Biomass Valorization, (2021).
2. P. Tangpromphan, S. Duangrisai, A. Jaree, Development of separation method for Alpha-Tocopherol and Gamma-Oryzanol extracted from rice bran oil using Three-Zone simulated moving bed process, Separation and Purification Technology, 272 (2021) 118930.
3. P. Tangpromphan, K. Nakkong, A. Jaree, Enhanced separation of chlorogenic and gallic acids extracted from spent coffee grounds using a three-zone simulated moving bed

process with partial feed and partial collection strategies, *Journal of Chemical Technology & Biotechnology*, 96 (2021) 1742-1757.

4. K. Nakkong, P. Tangpromphan, A. Jaree, The Design of Three-Zone Simulated Moving Bed Process for the Separation of Chlorogenic and Gallic Acids Extracted from Spent Coffee Grounds, *Waste and Biomass Valorization*, 12 (2021) 2389-2405.
5. P. Tangpromphan, H. Budman, A. Jaree, A simplified strategy to reduce the desorbent consumption and equipment installed in a three-zone simulated moving bed process for the separation of glucose and fructose, *Chemical Engineering and Processing - Process Intensification*, 126 (2018) 23-37.
6. P. Tangpromphan, A. Kaewchada, A. Jaree, Competitive effect of glucose-fructose adsorption in a fixed-bed chromatographic column, *J. Sep. Sci.*, 39 (2016) 4314-4324.
7. P. Thangprompan, A. Thanapimmetha, M. Saisriyoot, L. Laopaiboon, P. Srinophakun, Production of Ethanol from Sweet Sorghum Juice Using VHG Technology: A Simulation Case Study, *Applied Biochemistry and Biotechnology*, 171 (2013) 294-314.