

- Kristianto, Y., and Gunasekaran, A. *A global optimization for sustainable multi-domain global manufacturing*. Computers & Operations Research. 2015
- Kristianto, Y., and Zhu, L. *Techno-economic optimization of ethanol synthesis from rice-straw supply chains*. Energy, 141, pp. 2164-2176. 2017.
- McKinnon, A., and Piecyk, M. *Measuring and managing Co2 emissions*. Edinburgh: European Chemical Industry Council. 2010.
- Perales, A. V., Valle, C. R., Ollero, P., and Gómez-Barea, A. *Technoeconomic assessment of ethanol production via thermochemical conversion of biomass by entrained flow gasification*. Energy, 36 no 7, pp. 4097-4108. 2011.
- Samuel, V. *Environmental and socioeconomic assessment of rice straw conversion to ethanol in Indonesia: the case of Bali*. 2013.
- Seabra, J. E., and Macedo, I. C. *Comparative analysis for power generation and ethanol production from sugarcane residual biomass in Brazil*. Energy Policy, 39 no 1, pp. 421-428. 2011
- Tseng, M. L., Tan, R. R., & Siriban-Manalang, A. B. *Sustainable consumption and production for Asia: sustainability through green design and practice*. Journal of Cleaner Production, 40, pp. 1-5. 2013.

Biographies

Yohanes Kristianto obtained a doctoral degree in Industrial Management from University of Vaasa, Finland. Prior to his academic career, he worked for a Quality function of a multinational company. He is now an Assistant Professor at Aalborg University-Copenhagen. Formerly, he was a postdoctoral fellow of Research Council of Natural Sciences and Engineering, Academy of Finland. His research interests are in the area of mathematical programming and its applications on supply-chain strategy/management and production/operations management.

Liandong Zhu is a professor at School of Resource and Environmental Sciences, Wuhan University, P.R. China. Formerly, he was senior researcher in Vaasa Energy Institute and in the Faculty of Technology in the University of Vaasa, Finland. His background is environmental engineering and his research interests reside in the sustainable biodiesel production by integration of algae cultivation with wastewater treatment.