



Lecturer Dr. Supawadee Polprasert



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Education:

- 1999 B.Sc. (Health Science) Major in Environmental Health, Faculty of Science, Thammasat University, Thailand
- 2002 M.Sc. (Environmental Technology), Faculty of Public Health, Mahidol University, Thailand
- 2011 Ph.D. (Environmental Technology), Faculty of Public Health, Mahidol University, Thailand

Present Employment:

Lecturer, Department of Environmental Health Science, Faculty of Public Health, Mahidol University. 2013-present

Past Employments:

Lecturer, Environmental Health Programme, School of Allied Health Sciences and Public Health, Walailak University

Research Interests and Field of Specialization:

1. Waste Utilization and Renewable Energy
2. Waste Treatment and Management
3. Clean Technology, Pollution Prevention

Academic Research Projects/Responsibilities:

1. Principal investigator of "Exploring cost effectiveness of bioethanol production from palm empty fruit bunch using waste glycerol as a solvent for pretreatment" granted by The Thailand Research Fund, 2016-2018.
2. Co-researcher of "Improvement of Biogas Yield from Glycerol Waste Combined with Decanter Cake by Partial Ozonation Pretreatment" granted by National Research Council of Thailand, 2015-2016.
3. Co-researcher of "Development of Environmental Health Indicator for Healthy Community. (Financially supported by Department of Health, Ministry of Public Health)

Publication lists:

1. Choopakar O., Polprasert C., Elefsiniotis T., **Polprasert S.** (2018). The Effect of Steam and Glycerol Pretreatment on Chemical Contents of Oil Palm Empty Fruit Bunch (EFB). *Applied Environmental Research*, 40(2): 61-67
2. Fongsatitkul P, Khongkhaem P, Elefsiniotis P, **Polprasert S.** Use of Immobilized *S. cerevisiae* in Beads Made from Polyvinyl Alcohol and Palm Oil Fuel Ash to Enhance Ethanol Production from a Distillery Wastewater. *EnvironmentAsia* 2018;11(1): doi:10.14456/ea.2018.5:61–79.
3. Rongwang C, **Polprasert S,** Kanchanasuta S. Effect of partial ozonation and thermal pretreatment on biogas production from palm oil decanter cake. *Chem. Eng. Trans* 2017;57: doi:10.3303/CET1757332: 1987–1992.
4. Prathumchai, N, **Polprasert, S,** Polpresert, C. (2016). Evaluation of Phosphorus Flows in Agricultural Sector of Thailand. *GMSARN International Journal*, 10, 163-170.
5. **Sinnaraprasat, S,** Fongsatitkul, P. (2011). Optimal Condition of Fenton's reagent to enhance the alcohol production from palm oil mill effluent (POME). *EnvironmentAsia*, 4(2), 9-16.
6. **สุภาวดี ผลประเสริฐ.** (2557). การปรับสภาพวัตถุดิบพวกลิกโนเซลลูโลสสำหรับการผลิตเอทานอล. *วารสารวิทยาศาสตร์และเทคโนโลยี.*, 22(5), 641-649.

Presentations/Proceeding:

1. Srimuang T, Inthorn D, **Polprasert S.** Optimization of Enzymatic Hydrolysis from Cassava Pulp and Cassava Wastewater for Fermentable Sugar Production. *Proceedings of the Conference on Environmental Health: The Road to Thailand 4.0;* 19th November 2017; The Convention Center, Chulabhorn Research Institute, Bangkok: 64-69.
2. Choopakar, O., Polprasert, C., Elefsiniotis, P., and **Polprasert, S.** (2017). The effect of Steam and Glycerol Pretreatment on Chemical Contents of Oil Palm Empty Fruit Bunch (EFB), *Proceeding of The 4th EnvironmentAsia International Conference*, 21-23 June 2017, Bangkok, Thailand.
3. พิมพ์ชนก พลทวี พิศิษฐ์ วัฒนสมบูรณ์ และ **สุภาวดี ผลประเสริฐ** (2560) การลดลงของจำนวนแบคทีเรียในผักสดชนิดต่างๆ โดยการใส่สารล้างผักที่แตกต่างกัน รายงานการประชุมทางวิชาการระดับชาติ 26-27 มกราคม 2560 ณ หอประชุมพญาภิรมย์ มหาวิทยาลัยพะเยา
4. Kumpiranon, C., Thiravetyan, P., **Polprasert, S.,** and Inthorn, D. (2016). Effect of LED Light on Phytoremediation of bisphenol A by *Hapalosiphon hibernicus*, *Proceedings of the 8th Princess Chulabhorn International Science Congress: Environmental Health: Inter-Linkages Among the Environmental, Chemicals and Infectious Agents;* 13-17 November 2016; Shangri-La Hotel, Bangkok; 2016.