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### Education

Ph.D. (Textiles), The University of Manchester, United Kingdom

M.Sc. (Polymer Science), Petroleum and Petrochemical College, Chulalongkorn University, Thailand

B.Sc. (Petrochemicals and Polymeric materials), Silpakorn University, Thailand

### Expertise

Dyeing and chemical processing for textiles.

Biomaterials for textile applications.

### Selected Works

1. Joomjarearn, P., Achiwawanich, S., Setthayanond, J. and Suwanruji, P. 2020. Self-cleaning Property of Polyester Fabrics Finished with 3DOM TiO<sub>2</sub>. *Fibers and Polymers*, 21(9), pp. 1975-1982.
2. Lim, P. and Setthayanond, J. 2019. Factors Affecting Release of Microencapsulated Essential Oils from Finished Silk Fabric for Automotive and Home Textile Products, *International Journal of Engineering and Advanced Technology*, 8(3s), 501-504.
3. Lim, P. and Setthayanond, J. 2019. Development of All-In Dyeing and Lemon Oil Microcapsule Finishing Process for Silk, *International Journal of Engineering and Advanced Technology*, 8(3s), 505-508.
4. Jutamaneerat, P., Setthayanond, J. and Tooptompong P. 2019. Adsorption Study of Acid Dyes for Nylon with the Adsorbent Derived from Tamarind-Seed Testa, *International Journal of Engineering and Advanced Technology*, 8(3s), 509-512.
5. Chanyotha, A., Techametheekul, K.W. and Setthayanond, J. 2019. Development and Antioxidant Activity Analysis of Bio-Cellulose Containing Indian Gooseberry Extract, *International Journal of Engineering and Advanced Technology*, 8(3s), 516-519.
6. Nongnuch, W., Suwanruji, P and Setthayanond, J. 2018. Colour properties of cigarette smoke-exposed cotton and silk fabrics and their nicotine release. *Industria Textila*, 69(4), 328-333.
7. Saikhao, L., Setthayanond, J., Karpkird, T., Bechtold, T. and Suwanruji, P. 2018. Green Reducing Agents for Indigo Dyeing on Cotton Fabrics, *Journal of Cleaner Production*, 197, 106-113.

8. Setthayanond, J., Sodsangchan, C., Suwanruji, P., Tooptompong, P. and Avinc, O. 2017. Influence of MCT- $\beta$ -cyclodextrin treatment on strength, reactive dyeing and third-hand cigarette smoke odor release properties of cotton fabric, *Cellulose*, 24, 5233-5250.
9. Tungtriratanakul, S., Setthayanond, J., Avinc, O., Suwanruji P. and Sae-bae, P. 2016. Investigation of UV protection, self-cleaning and dyeing properties of nano TiO<sub>2</sub>-treated poly(lactic acid) fabric, *Asian Journal of Chemistry*, 28(11), 2398-2402.
10. Suwanruji, P. Sidakote, R. and Setthayanond, J. 2016. Evaluation of indigo dyeing on poly(lactic acid) fabric by response surface methodology, *Asian Journal of Chemistry*, 28(6), 1371-1375.
11. Suesat, J. and Ujjin, S. (2013). Effect of Fabric Structure and Degumming Conditions on the Properties of PLA/silk Blend. *International Journal of Bioscience, Biochemistry and Bioinformatics*, 3(2), 106-109.
12. Duangthongyou, T., Suwanruji, P., Suesat, J. and Achiwavanich, A. (2013). 2,2'-(4-[(4-Nitrophenyl)diazanyl]phenyl)imino)diethanol. *Acta Crystallography*, E69, o22.
13. Sriumaoum, V., Suesat, J. and Suwanruji, P. (2012). Dyeing and Spectroscopic Properties of Natural Dyes on Poly (Lactic Acid) and Poly (Ethylene Terephthalate) Fabrics. *International Journal of Bioscience, Biochemistry and Bioinformatics*, 2(3), 155-158.
14. Suwanruji, P., Chuaybamrung, L., Suesat, J., Hannongbua, S., Taylor, J.A. and Phillips, D.A.S. (2012). Study of the removal of a disperse dye stain from a polyester/elastane blend. *Coloration Technology*, 128, 103-107.
15. Suesat, J., Mungmeechai, T., Suwanruji, P., Parasuk, W., Taylor, J.A. and Phillips, D.A.S. (2011). Correlation between the shade of an azo disperse dye on poly(ethylene terephthalate) and poly(lactic acid) fibres with its spectroscopic properties in selected organic solvents. *Coloration Technology*, 127, 217-222.
16. Suesat, J. and Suwanruji, P. in: *Dyeing and Fastness Properties of Poly(lactic acid) Fiber*, edited by P. J. Hauser of *Textile Dyeing*, Chapter 16, InTech Publishing (2011).
17. จันทร์ทิพย์ เศรษฐยานนท์. 2560. สีย้อมสำหรับสิ่งทอ. สำนักพิมพ์มหาวิทยาลัยเกษตรศาสตร์ 234 หน้า ISBN 978-616-556-214-0