RESEARCHER PROFILE

Name Amorn
Last name Chaiyasat
Academic Position Associate Professor
Faculty Science and Technology
Major Polymer Science
Email a_chaiyasat@mail.rmutt.ac.th

Research Interest
-Conventional and controlled/living radical polymerization in aqueous dispersed systems
-Micro- and Nanoencapsulation
-Functional Polymers

Education	From..to…	University Name	Country
Doctor (Ph.D. Materials Chemistry and Engineering)	2005-2008	Kobe University	Japan
Master (M.Sc. Chemistry)	1997-2000	Chiang Mai University	Thailand
Bachelor (B.Sc. Chemistry)	1992-1996	Mahasarakham University	Thailand

International Publications
(Only published within the last five (5) years in international journals or book chapters)

[1] Kamlangmak, N. , Eiamprasert, U. , Chaiyasat, P. , & **Chaiyasat, A.** (2021) . Multifunctional Polymer Particles Containing Quaternary Ammonium for Antimicrobial Particulate Surfactants and Defoaming. *ACS Appl. Polym. Mater.,* 3, 3549- 3559. (**IF=4.089; ISI: Q1**)

[2] Khotchana, C., Phapugrangkul, P., Opaprakasit, P., Kaewpa, D., Chaiyasat, P., & **Chaiyasat, A.** (2021). Synthesis of uniform submicron poly(lactic acid) - based particles/capsules by radical precipitation polymerization. *Colloids Surf. B*, 208, 112122. (**IF (2020): 5.268; Scopus: Q1**)

[3] **Chaiyasat, A.,** Sue-eng, S., Billon, L., Okubo, M., & Chaiyasat, P. (2022). Emulsion iodine transfer polymerization of nearly uniform submicrometer- sized polystyrene particles. *Polym. Int.* 71(2), 192-200. (**Scopus (2020): Q1** Polymers and Plastics) (**IF (2021): 3.213**)

[4] Phutthatham, L., Ngernchuklin, P., Kaewpa, D., Chaiyasat, P., & **Chaiyasat, A.** (2022). UV- activated coating polymer particle containing quaternary ammonium for antimicrobial fabrics. *Colloid Polym. Sci.*, 300(4), 351-364. (**Scopus (2021): Q2** Polymers and Plastics) **(IF (2021): 2.434)**

[5] C. Klubchom, P. Chaiyasat, **A. Chaiyasat***, Composite polymer particles containing bismuth vanadate particles for self-cleaning fabrics, *J. Ind. Text.*, 2022, 51(1_suppl.),

1476S-1498S. (**Scopus (2020): Q1** Polymers and Plastics) (**IF (2021): 2.926; Scopus: Q1**)

Book/ Textbooks (Both Thai and International publications)

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Research funds (Within the last five (5) years)

2022

[1] Bio-based polymer materials for antimicrobial coating in public transport

2021

[2] Innovative probiotic encapsulation using bio-based polymer

[3] Preparation bio-based polymer microcapsule containing fertilizer

2020

[4] Bifunctional mcrocapsule encapsulated fragrance and antimicrobial for interior car coating

[5] Innovative multifunctional nanocapsule for thermoregulating cloth and antimicrobial