



PATTEERA SODATA

E-mail: patteera@tu.ac.th

Education

- 2016 Doctor of Philosophy in Research and Development in Pharmaceuticals,
 Khon Kaen University
- 2012 Bachelor's degree in Pharmacy (second class honors),
 Khon Kaen University

Work experience

- 2019 - Present Assistant Dean for Student Affairs and Alumni Relations,
 Faculty of Pharmacy, Thammasat University
- 2016 - Present Lecturer, Faculty of Pharmacy, Thammasat University
- 2013 - 2016 Pharmacist, Pharmacy Drugstore,
 Faculty of Pharmaceutical Sciences, Khon Kaen University

Lecture experience

- Physicochemical properties of drug substance
- Principle and theory related to sterile dosage forms
- Production process of sterile and non-sterile products
- Drug delivery system development
- Stability study for pharmaceutical products
- Good manufacturing practice (PIC/s-GMP)
- Quality system management, qualification and risk management
- Computer system validation
- Pharmaceutical engineering and process capability
- Quality by design, chemometrics and process analytical technology

Research experience

2018 Research scholar at Faculty of Pharmacy, Musashino University, Nishi-Tokyo, Japan:
Quantitative analysis of alpha-mangostin and calcium phosphate containing silver in suspension using near-infrared spectroscopy

Publications

Sodata P, Peerapattana J. Application of near infrared spectroscopy with chemometrics for qualitative and quantitative dental caries assessment. *Vib Spectrosc.* 2020; 111: 103170.

Sodata P, Peerapattana J. Application of near infrared spectroscopy for endpoint determination of blending and influence of loading order. *Int J App Pharm.* 2020; 12(6):. Peerapattana J, Laovachirasuwan P, **Sodata P**, Srijesdaruk V, Otsuka M. Evaluation of using spray-dried glutinous rice starch as a direct compression hydrophilic matrix tablet. *Bio-Med Mater Eng.* 2020; 31: 59–72.

Sodata P, Juntavee A, Juntavee N, Peerapattana J. Optimization of Adhesive Pastes for Dental Caries Prevention. *AAPS PharmSciTech.* 2017; 18(8): 3087-96.

Sodata P, Peerapattana J, Hattori Y, Juntavee A, Otsuka M. Quantitative analysis of alpha-mangostin and calcium phosphate containing silver in suspension using near-infrared spectroscopy. *J Bio-Integ.* 2017; 7: 21-28.

Patents

- Patent no. 1601000575 “compound for dental caries prevention”
- Petty patent no. 1601002858 “Antimicrobial gels”

Awards

- Outstanding Thesis Award (2018) from Graduate School, Khon Kaen University
 - Silver medal (medical innovation) from Thailand Research Expo 2019
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