

SOPON UDOMPHON



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SUMMARY

Experienced and detail-oriented chemist specialized in the synthesis of nano-scale and polymeric materials, with developing their features for various applications including biomedical, anti-corrosion, and sensor technologies. Familiar in ISO:IEC 17025:2017 standards, gained through work at the Laboratory for Biocompatibility Testing of Medical Devices



EXPERIENCE

- Operate various packaging machinery, including filling, labeling, and sealing machines, while adhering to company SOPs.
- Ensure effective communication with foreign supervisors, and other departments to resolve packaging-related issues and maintain quality control.

- Proficient in organizational skills and adept at collaborating with authors, clients, and cross-functional teams within editorial and production departments.
- Effective communication with scholars and academic stakeholders from overseas involved in the journal publication process.

- Researching and developing the pioneering new materials and product in anti-corrosion and environmental detection features.
- Leading the marketing team in a small startup business including comprehensive market research and patent analysis

- Researching and developing the Ziegler-Natta catalyst in laboratory scale reactor.
- Planning to analyze and interpret the developed catalyst including comprehensive the crystallographic structure (XRD) and chemical characteristic (NMR and ICP).

- Researching and developing the nano-scale polymer materials (micelles and liposomes) including comprehensive the polymer synthesis and functionalization (based on organic chemistry), characterisations (physical and chemical properties), and application (drug delivery system).
- Up-scaling the polymer synthesizing into a reactor pilot.
- Starting and developing system of the Laboratory for Biocompatibility Testing of Medical Devices to become ISO:IEC 17025:2017 standards

Production Staff

Carton Finishing
Australia

April 2023 - Dec 2023

Assistant Editor

MDPI (Thailand) Co., Ltd,
Thailand

July 2022 - Feb 2023

Project Researcher

Vidyasirimedhi Institute of
Science and Technology
(VISTEC), Thailand

Oct 2021 - Jun 2022

Researcher (contract)

SCG-MUSC Innovation
Research Center, Thailand

Jun 2018 - July 2021

Research Assistant

Mahidol University
(BioNEDD Lab), Thailand

Aug 2015 - Jun 2021

EDUCATION

Masters Degree in Science

Polymer Science and
Technology

Mahidol University
May 2017 - Sep 2021

Bachelors Degree in Science

Applied Chemistry (Polymer
Science and Technology)

Mae Fah Luang University
Jun 2011 - Jun 2015

PUBLICATION / CONFERENCES / AWARD

W Assawapanumat, **S Udomphon**,
N Nasongkla, et al. 99mTc/SPIO-
loaded polymeric micelles as MRI
and SPECT imaging, cancer-
targeted nanoprobe for liver
cancer detection. *Journal of Drug
Delivery Science and Technology*,
Vol.79 (2023).

International Polymer Conference
of Thailand (PCT-11)

Best Poster Award (Runner up)
July 1-2, 2021

Pure and Applied Chemistry
International Conference 2019
(PACCON 2019)
Feb 7-8, 2019

The 26th Annual Meeting of the
Thai Society for Biotechnology
and International Conference
Best Poster Award
Nov 26-29, 2014

SKILLS

- Project management
- Problem solving
- Programming (Python/R/SQL)
- Data Analysis
- Marketing Research
- Patents Analysis