

Alisa Kammafoo

Senior Researcher in Green Technology



Summary

My professional career in Green Technology and Advance Separation were built and strengthen in past 15 years working with SCG Chemicals Co., Ltd. in R&D career path. In my third service year in SCG, I've got scholarship from the company to studying in Doctoral degree in Chemical Engineering. The competency of solvent-based separation, bio-scrubber, waste water treatment and recycle, process design and synthesis, and also computeraided design and simulation were developed to serve various kind of technology development in a field of Green Technology Solution.



Experience

1999-04 -2002-12

Constructionism Facilitator

C-ChEPS program, King Mongkut University of Technology Thonburi

- Apply Project-based learning concept to facility learning process of learners in C-ChEPS program
- Gave consults for problem solving in various industrial projects.
- Taught chemical engineering classes for diploma learners.
- Formulated concept and objective of the learning program

2003-01 -2003-12

Knowledge Management Manager

Human Resource and Development Department, SCG Chemicals Co., Ltd.

- Developed knowledge management database for SCG Chemicals
- Developed concept of competency based development program for employee in SCG Chemicals

2004-01 -2014-07

Researcher

Central R&D, SCG Chemicals Co., Ltd.

- Design and commercialization a process for slurry phase separation for recovery hexane from foul hexane.
- Design process for a separation of hexane from C6 mixtures.
- Select solvent, design process and commercialization the EB-X technology for mixed xylenes separation
- Design process and commercialization for the Bio-scrubber technology for **VOC** treatment
- Design process and commercialization for the SALSA technology for recovery of mixed salts from caustic waste water
- Develop adsorbent for various impurities treatment from hydrocarbon streams

2014-07 present

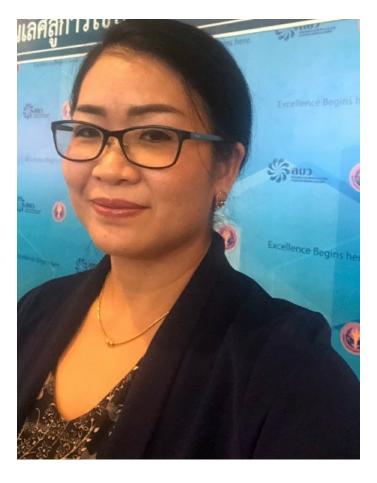
Senior Researcher

Central R&D, SCG Chemicals Co., Ltd.

Manage and control research strategy and activity in Green Technology group



Education





Personal Info

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alisakam@scg.com

Date of birth

1977-08-25



Skills

Computer-aided simulation especially process design and synthesis software



Separation process design and synthesis



Waste to value process design and synthesis



Working process to commercialize research know-how into commercialization



Business mindset and strategic planning concept



Advance

1994-05 -1998-03

Thammasat University, Chemical Engineering, Bachelor Degree

BA in Chemical Engineering
GPA 3.33 (second class honors)

1998-04 -2000-03 King Mongkut University of Technology Thonburi, Chemical Engineering, Master degree

MA in Chemical Engineering GPA 3.70

2006-11 -2011-11 King Mongkut University of Technology Thonburi,
Chemical Engineering, Doctoral degree

Doctoral degree in Chemical Engineering

Thermodynamic problem analysis and solving



Chemical and Biological laboratories management

