



# 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 computer-aided 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

1994-05 -  
1998-03



## Personal Info

### Address

14/26 Moo 3, Sukrumvit Road, Noen Phra, Mueang Rayong, Rayong, Thailand, 21000

### Phone

+66 92 262 5293

### E-mail

alisakam@scg.com

### Date of birth

1977-08-25



## Skills

Computer-aided simulation especially process design and synthesis software

●●●●●  
Excellent

Separation process design and synthesis

●●●●●  
Excellent

Waste to value process design and synthesis

●●●●●  
Excellent

Working process to commercialize research know-how into commercialization

●●●●●  
Excellent

Business mindset and strategic planning concept

●●●●●  
Advance

	<b>Thammasat University, Chemical Engineering, Bachelor Degree</b> BA in Chemical Engineering GPA 3.33 (second class honors)	Thermodynamic problem analysis and solving <div> <div></div> <div></div> <div></div> <div></div> <div></div> </div> Advance
1998-04 - 2000-03	<b>King Mongkut University of Technology Thonburi, Chemical Engineering, Master degree</b> MA in Chemical Engineering GPA 3.70	Chemical and Biological laboratories management <div> <div></div> <div></div> <div></div> <div></div> <div></div> </div> Advance
2006-11 - 2011-11	<b>King Mongkut University of Technology Thonburi, Chemical Engineering, Doctoral degree</b> Doctoral degree in Chemical Engineering	