

Short CV



Department of Chemical Engineering
King Mongkut's Institute of Technology Ladkrabang

Background

1991 B. Sc. (Ind. Chem. Eng.) King Mongkut's Institute of Technology Ladkrabang, Thailand

1995 M. Eng. (Chem. Eng.) Chulalongkorn University, Thailand

2002 D. Eng. (Chem. Eng.) Kyoto University, Japan

1998-Present Lecturer at Department of Chemical Engineering, Faculty of Engineering, King Mongkut's Institute of Technology Ladkrabang

Specialization

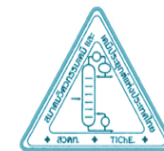
- Nano/Micro particles formation by $scCO_2$
- Microcellular foam technology
- Polymer processing, Rubber technology
- Utilization of $scCO_2$ for polymer processing
- Thermodynamic models for polymer/ CO_2 mixtures
- Micro fluidics technology
- Alternative CO_2 cleaning technology

Conferences



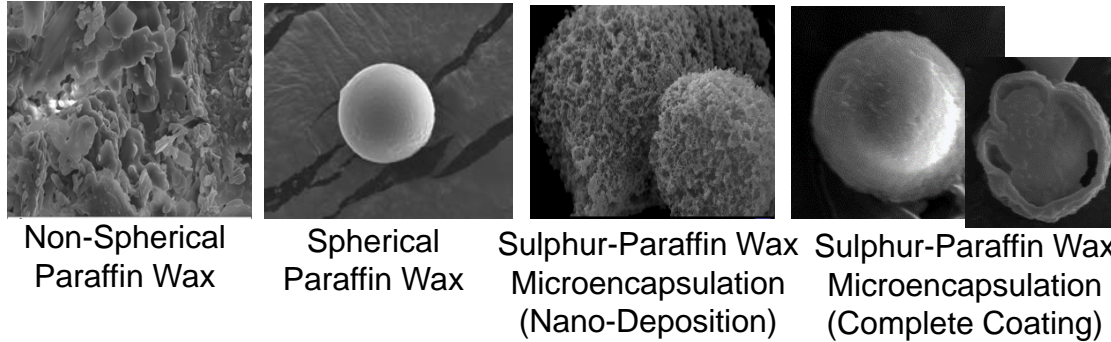
ISSF

Surat Areerat | Chem. Eng., KMITL, Thailand



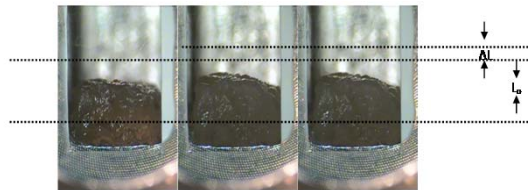
Assist. Prof. Dr. Surat Areerat

Micro/Nano-particle technology by $scCO_2$



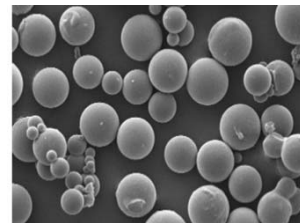
Natural Rubber Technology

- Molecular weight reduction
- Rubber Compounding



$scCO_2$ drying technology

- Carbon aerogel
- Food Preservation

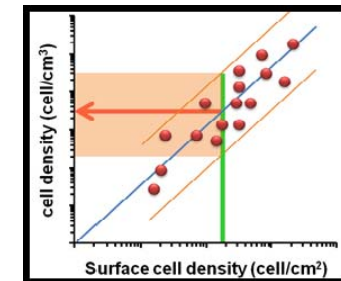
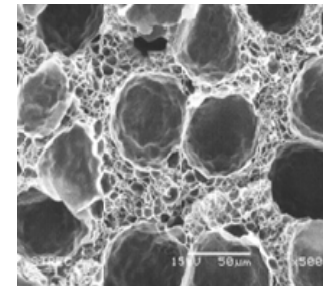


CO_2 Cleaning technology



Microcellular foaming technology

- Mathematic modeling for foaming process
- Fiber foam
- Beat foam
- Natural Foaming



Cooperative Researches



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