

Curriculum Vitae

Woojin Lee

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Education:

Virginia Tech, Blacksburg, VA

Ph.D. in Chemistry (Thesis: Structure and dynamics of polyhedral oligomeric silsesquioxane and poly(ethylene glycol) based amphiphiles as Langmuir monolayers at the air/water interface)

University of Wisconsin, Madison, WI

B.S. in Chemical Engineering

Teaching Experience:

Mountain View College, Dallas, TX, August 2018 – Present

Faculty: Chem 1406 and 1412

Brookhaven College, Farmers Branch, TX, January 2012 – August 2018

Adjunctive Faculty: Chem 1405, 1411, 1412, 2423, & 2425

Publications:

- **Lee, W. J.**; Ni, S. L.; Deng, J. J.; Kim, B. S.; Satija, S. K.; Mather, P. T.; Esker, A. R. "Isotherm study of telechelic poly(ethylene oxide) amphiphiles endcapped with polyhedral oligomeric silsesquioxane (POSS) at the air/water interface," *Macromolecules* **2007**, *40*, 682-688.
- **Lee, W. J.**; Ni, S. L.; Kim, B. S.; Satija, S. K.; Mather, P. T.; Esker, A. R. "Telechelic poly(ethylene oxide) amphiphiles with polyhedral oligomeric silsesquioxane (POSS) endgroups at the air/water interface," *Polym. Prep.* **2006**, *47*, 1214-1215.
- Ni, S. L.; **Lee, W. J.**; Li, B. B.; Esker, A. R. "Thermodynamics of the liquid expanded to condensed phase transition of poly(L-lactic acid) in Langmuir monolayers," *Langmuir* **2006**, *22*, 3672-3677.
- Ni, S. L.; **Lee, W. J.**; Ferguson-McPherson, M. K.; Morris, J. R.; Esker, A. R. "Fabrication of poly(L-lactic acid) substrates with controlled surface morphology and crystallinity via the Langmuir-Blodgett technique," *Polym. Prep.* **2006**, *47*, 18-19.
- Ni, S. L.; **Lee, W. J.**; Satija, S. K.; Esker, A. R. "Nanoscale patterned surfaces with poly(L-lactic acid) for cell adhesion studies," *Proc. Annu. Meet. Adhes. Soc.* **2006**, *29*, 84-86.