

Name: Neha Lamba

Project Title: Solubilities of lipid derivatives in supercritical carbon-dioxide (SCCO₂) and transesterification of vegetable oils to synthesize fatty acid methyl esters (biodiesel) using supercritical fluids

Courses: Numerical methods, Chemical Engineering Mathematics, Transport Processes, Thermodynamics, Chemical Reaction Engineering, Applied statistics and Design of experiments, Analytical Instrumentation, Polymer Science and Engineering, Technical writing

Skills:

- **Equipment and Analysis:** Gas Chromatography (GC-FID), BET surface area analyzer, High temperature high pressure (HTHP) and Hydrothermal reactors, X-ray diffraction (XRD) and Scanning electron microscopy (SEM)
- **Software:** Origin, ChemSketch, SmartDraw, MS Word, Excel and PowerPoint
- **Language:** Basic knowledge of C, C++ and MATLAB

Tentative date of graduation: March, 2019