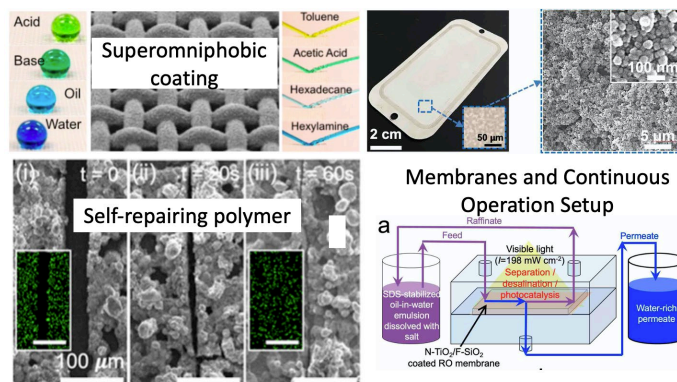


# Gibum Kwon's Lab

## (Innovative Surface and Interface Lab)

### Research Areas

- Membranes for purifying oil-water mixture, seawater, wastewater.
- Superomniphobic coatings
- Self-repairing polymers
- Photocatalytic coatings
- Never-freeze surfaces

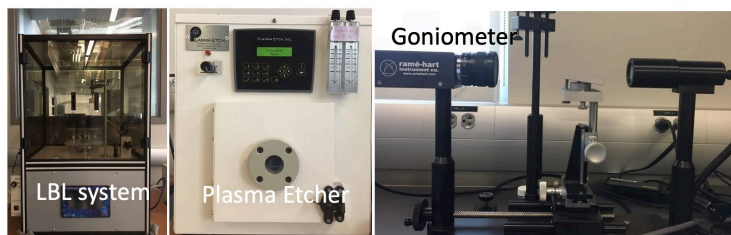


### Collaborators

We collaborate with multiple researchers at KU and from around the USA. Collaborators in KU include Profs. Liu (Mech E), Gao (Protein Production Lab), Peltier (Environmental E).

### Equipment

- Layer-by-Layer (LBL) Deposition System
- Plasma Etcher
- Goniometer
- Coating systems
- Customized desalination setup



### Funding Sources

National Science Foundation, US Bureau of Reclamation, Kansas Corn Commission, US Poultry and Egg Association

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