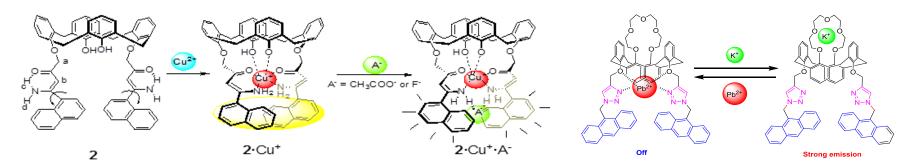
Prof. Wen-Sheng Chung / Department of Applied Chemistry

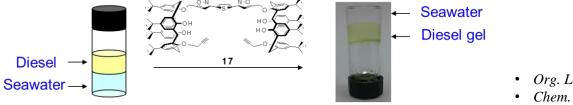
(Organic) Supramolecular Photochemistry Lab

1. The design and synthesis of fluorogenic and chromogenic sensors based on calix[4] arenes for the detection of heavy and transition metal ions especially those with hetero- and homoditopic allosteric effects, and inherently chiral properties.



• Chem. Eur. J. 2009, 15, 6152.

- Org. Lett. 2007, 9, 3363.
- 2. The design and synthesis of supramolecular gelators, which may be useful for oil spill recovery, bio-mimics, or for ion sensing that can be used for environmental cleaning or drug delivery.



- Org. Lett. 2013, 15, 5830-5833;
- Chem. Commun., 2013, 49, 3037-3039.