## List of Dissertation Abstract (Department of Environment and System Sciences)

Name	Supervisor	Title	Abstract
Ikeda Naoaki	Aramaki kenji	Hydrogel formation by amino acid-	Hydrogel formation by the surfactant mediated gelation (SMG)
		based oil gelling agent using	method using the glutamic acid-based organogelator LGD-
		surfactant-mediated gelation method	EHGD was investigated. A hydrogel was obtained by the SMG
		and effect of micelle shape on its	method using glutamic-acid-based anionic surfactant and
		viscoelastic behavior	cationic surfactant. This study showed that the SMG method
			can be applied to organogelators other than 12-HOA, and it is
			clear that the micellar shape of the surfactant and the polarity
			of the solvent affect the structure and rheology of the final
			SMG hydrogel. Further control of the structure and physical
			properties of the SMG hydrogel is expected by selecting and
			combining surfactants and controlling the shape of the
			micelles.