**Transition Metal-Catalyzed Reactions using e-Deficient Azide and Amide**

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Inspired by nature, synthetic chemists endeavor to develop useful organic transformations with high efficiency and selectivity, wide substrate scope, modular approaches under mild condition. Also economic and environmental problems are regarded as a matter of common interest. In these regards, multi-component reaction (MCR) and C-H bond activation reaction could offer the excellent strategies for synthesizing molecules. In this presentation, we will describe how electron deficient azide and amide have been used to develop new synthetic method using MCR and C-H bond activation.