Special Issue

Deep Eutectic Solvents in Organic Synthesis

Message from the Guest Editor

Deep Eutectic Solvents (DES) are an interesting family of solvents that have attracted attention as a less expensive and often less toxic alternative to room temperature ionic liquids. While many applications of DES have been explored, particularly their use in electroplating and metal recovery as well as natural product extraction, attention to their use as solvent replacements for conventional organic solvents in the area of synthesis has found less attention. This situation is unfortunate as earlier work demonstrated significant promise as DES are generally inexpensive and pose fewer hazards (low volatility and reduced risk of exposure), as well as some interesting opportunities for DES recycling and DES-based catalytic features that eliminate the need for other stoichiometric reagents. They could have particular benefit in many metal-catalyzed reactions as well as the reemerging area of electrosynthesis.

Guest Editor

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