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Title: **DEEP EUTECTIC SOLVENTS AS SUSTAINABLE GREEN SOLVENTS FOR ORGANIC SYNTHESES**

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**ABSTRACT**

Sustainable green solvents are the key subjects of growing interest in both the research community and the chemical industry due to growing awareness of the impact of solvents on pollution, energy usage and contributions to air quality and climate change. The ionic liquids and supercritical fluids have been paid great attention to replace current harsh organic solvents and have been applied to many chemical processing e.g., synthesis and extraction. However, the current ionic liquids and supercritical fluids have still limitations to be applied to a real chemical industry due to toxicity against human and environment and their high cost. DESs are obtained by simply mixing two components that are generally safe and biodegradable and capable of auto-associating together, often through hydrogen bond interaction, to form a liquid phase. DESs are advantageous to a wide variety of reactions because they reduce waste and energy demand. In this review, I consider several aspects of the most prominent sustainable organic solvents in use today, deep eutectic solvents and renewable solvents in context of the chemical reactions.

**KEYWORDS:** Green Solvents, Deep Eutectic Solvents, Synthesis, Renewable Solvents