

The Role of Green Chemistry in Sustainability

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Green chemistry is the design of chemical products and processes that reduce or eliminate the use and generation of hazardous substances. Green chemistry is a science-based approach to pollution prevention that is also profitable. Life-saving pharmaceuticals can be produced while minimizing the amount of waste generated, plastics that biodegrade can be synthesized from plants, and reactions can be run in water rather than in traditional organic solvents by applying green chemistry principles to chemical products and processes. This presentation will highlight the principles and practice of green chemistry and provide examples that illustrate the role of green chemistry in achieving sustainability.