

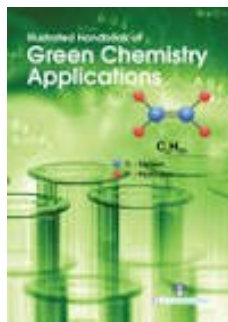


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NEW ACQUISITIONS

CHEMISTRY



Illustrated Handbook of Green Chemistry Applications New York, NY: 3G E-Learning, [c2023] [CO TP 155.2 .T553 2023]

The 20th century has seen phenomenal growth in the world economy. And continuous improvement in living standards in developed countries. The increasingly competitive economic outlook and the dwindling natural resources on the planet. Create an urgent need to reduce energy consumption as well as waste production. Sustainability is one of the main drivers for innovation, so that the technical industry can work in a safe and healthy environment for the benefit of consumers. Green Chemistry is expanding its wings from academic laboratories to industrial entities.

Sustainable practices include replacing volatile organic solvents, which make up the bulk of a reaction material, developing recyclable catalysts, developing energy-efficient synthesis, and promoting the use of renewable feedstocks. By following the principles of green chemistry, the turnover of many companies has increased immensely, resulting in both environmental and economic benefits.

This Illustrated Handbook of Chemistry Applications explores examples wherein green chemistry has enhanced the sustainability factor of industrial processes immensely and suggests the measures which should be taken to promote as well as popularize the green practice in synthesis.