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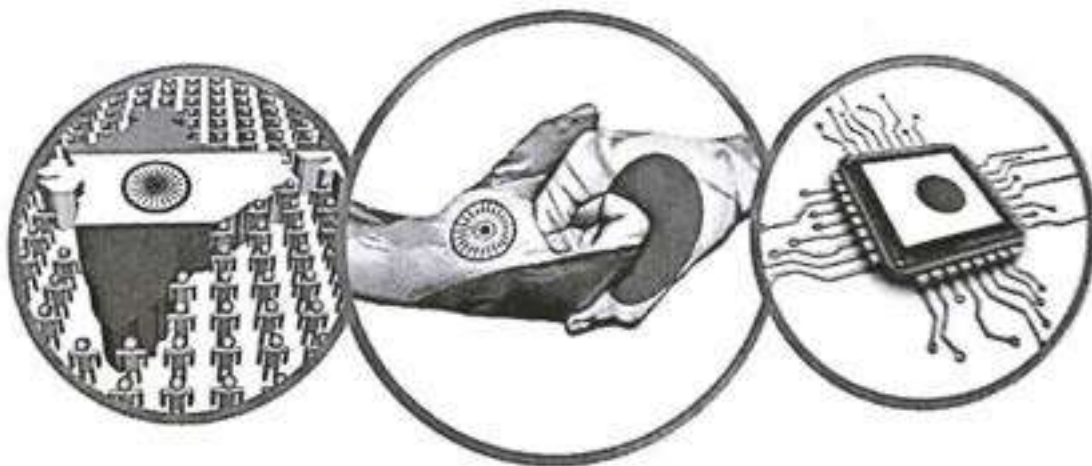


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NOVEMBER 26-28, 2018

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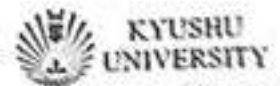
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Green Chemistry: A tool for Sustainable Development

Priyanka Jangid

Department of Chemistry, Kanoria PG Mahila Mahavidyalaya, Jaipur

Abstract

The basic principle of green chemistry includes sustainable development which provides required products through safe synthesis. The impact of green chemistry is multidimensional. Green Chemistry, processes and products are safe for natural ecosystem because the technology used is innovative and improvement of resources is checked.

Keywords : Sustainable development, Multidimensional impact, innovative

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Principal
Kanoria PG Mahila Mahavidyalaya
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Introduction

Green chemistry is the utilization of set of principles that reduces the use of hazardous substances in the design, manufacture and application of chemical products. Sustainable development is meeting the needs of economic growth of country. Green chemistry covers many areas such as utilization of raw material, synthesis, products and efficient processes. (1)

Greener Catalysis

Catalysis play an important role in synthesis because most chemical processes require catalyst to enhance reaction rate. The design and use of green catalyst is important for economic growth and sustainability of chemical industry. (2)

Green Engineering and Products

Green chemistry covers the aspect of engineering field. For achieving the goal of maximum efficiency and minimum waste clean, energy-efficient and mass-efficient processes are essential tools to be produced by industrial chemical processes.(3) Many pharmaceutical products, polymers are harmful to human health so, the need to design beneficial product is there. (4)

Conclusion

Green chemistry is a new philosophical thought that extends the principles which can contribute to sustainable development. Investment on green chemistry and how they affect directly from part of pharmaceutical analyzes, patient health until to environmental sustainability are important for the process of future improvements.

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