

## Environmental pollution control through Green Chemistry

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**Abstract :** Chemistry is really very helpful to us as its applications are used worldwide for several purposes. We cannot really imagine a world without chemistry and its applications such as medicines. However, several reactions taught in Pharmaceutical and medicinal chemistry laboratory today are hazardous to environment and hence needs to be modified. With an impetus from Pollution control act, Green Chemistry; a relatively newer branch has originated. Green chemistry represents the pillars that hold up our sustainable future. It is clear that many industries and research of many academics recognize the significance of green chemistry. Chemistry is really very helpful to us as its applications are used worldwide for several purposes. We cannot really imagine a world without chemistry. However, we should now concentrate on green chemistry, or sustainable chemistry, which refers to reducing or stopping the damage done to the environment around us. Hence, green chemistry could include anything from reducing waste to even disposing of waste in the correct manner. All chemical wastes should be disposed off in the best possible manner without causing any damage to the environment and living beings. This article presents a brief description on implementation of various green chemistry principles and their applications to basic and applied research. Green Chemistry is a multidisciplinary field and covers areas such as synthesis, solvents, catalysis and efficient processes, as shown in the following figure.

**Keywords:** Green chemistry, Environmental pollution control.



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