



## Green Chemistry Education for sustainable development

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Abstract – Green Chemistry education is of vital importance not only to create an awareness in the minds of people but also to make them realize about their responsibility to evolve at the solutions which will address the problems confronted by the world at large. This is a must given the sorry state of affairs in terms of rampant ecological degradation across the globe which is a fallout of rapid urbanization, population explosion, large scale industrialization in the name of development but at the expense of ecological imbalance. The education in Green Chemistry has to be imparted for the attainment of tenets of sustainability which is a huge ask given the complexities of the problems of global environmental concern of threatening proportions. The United Nations conference on sustainable development (UNCSD) has laid down a ten years agenda for the accomplishment of the goals for meeting the requirements of sustainable development.

I wish to share my experiences in regard to the content and intent I have introduced in framing the syllabus for an elective course offered at my institute to undergraduate and postgraduate students and how is it integrated with the objectives of sustainability. Various areas have been identified for designing green pathways for different nanomaterials and developing methods for the separation and purification of components from different sample matrices. Green analytical protocols have also been put into use for the said cause. I would like discuss even the green research initiatives I have taken keeping in view the broader perspective of Green Chemistry as a driving force for the innovations and sustainable development.

**Keywords :** Sustainability; Urbanization; industrialization, protocols, innovations

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