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The Need for Motivation and Awareness of Green Chemistry Synthetic routes among Chemistry Postgraduates in India

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Abstract:The multidisciplinary nature of Synthetic Green Chemistry is recognized worldwide as a route to the development of chemical products and process with lower environmental impact. In recent years there is greater societal expectation that chemists and chemical engineers should produce greener and more sustainable chemical processes and it is likely that this trend will continue to grow over the next few decades. Practicing of Green Chemistry in India is necessity rather than an option. In developed countries especially in USA & UK several Institutions & Universities are offering the degree course in Green Chemistry. Indian Universities are yet to start. Few Indian universities offer Green Chemistry as optional paper including Bangalore University; students are not opting for Green Chemistry. To promote uptake of green and sustainable methodologies amongst the chemical and chemical-using industries requires the exemplification of green chemistry in education and training material to influence, motivate and inspire the next generation of scientists.

Herein, we examine the awareness of importance of Synthetic Green Chemistry monitored through a questionnaire among the Post Graduate students of Chemistry from Bangalore City. Some Good colleges of Bangalore were selected under five Categories. The results were statically analyzed by Chi square method and a Hypothesis was tested.

Key Words:Synthetic Green Chemistry; Environmental Education; Sustainability. Environmental Protection Agency, Green Products, Green House Gases GHG , Paris Summit of Dec.2015 on Climate Change. Inter –governmental panel on Climate Change (IPCC), Renewable Technologies, Green and Clean Technology

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