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VARIOUS AREAS OF GREEN CHEMISTRY AND SAFER ENVIRONMENT AN OVERVIEW

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ABSTRACT

Green chemistry is an implementation of sustainable development in chemistry and chemical technology by industry. Green chemistry paves the route to a new approach to the synthesis, processing and application of chemical substances in such a manner as to reduce threats to health and the environment. Green chemistry achievement will enables us to balance eco- development profitable for society, economy and the environment .Green chemistry covers twelve principles which are equally applicable to organic chemistry, inorganic chemistry, biochemistry, analytical chemistry and even physical chemistry. Green chemistry is increasingly seen as a powerful tool that researcher must use to evaluate the environmental impact of nanotechnology. Green chemistry involves an interdisciplinary effort guided by the principle benign by design. Nano-science and nanotechnology is another important contribution to green chemistry. Green analytical chemistry is the essential element of green chemistry. . Young chemists are currently acquainted with new methods of organic compound synthesis instead of traditional methods and with new analytical chemistry techniques allowing them to assess the state of environmental pollution in an increasing number of high schools. Bioengineering is also seen as a promising technique for achieving green chemistry goals. Present research article is an attempt to cover some major aspects of green chemistry to save our environment by every human activity that not only includes twelve principle of green chemistry but also other factors that plays an important role to save our environment.

KEYWORDS: Green Chemistry, Supercritical Fluids (SCFs), Nanoscience, Nanotechnology, Enzymes, Bioengineering