



Journal of Applicable Chemistry

2017, 6 (6): 1026-1030

(International Peer Reviewed Journal)



Review Paper

Green Technology a Must for Sustainable Future

Sanjay Kumar Sinha¹ and K. Yadav^{2*}

1. L.N. Mithila University, Kameshwar Nagar, Darbhanga, **INDIA**

2. Department of Chemistry, Samastipur College, Samastipur – LNMU-DBG, **INDIA**

Email: yadav.kusheshwar@yahoo.com

Accepted on 17th November 2017, Published online on 27th November 2017

ABSTRACT

Green chemistry for chemical synthesis addresses our future challenges in working with chemical processes and products by inventing novel reactions that can maximize the desired products and minimize by-products, designing new synthetic schemes that can simplify operations in chemical productions and seeking greener solvents that are inherently environmentally and ecologically benign. Sustainable development can be defined as “development that meets the needs of the present without compromising the ability of future generations to meet their own needs.” Current practices by society are not sustainable. Natural resources are being consumed faster than they are being replenished. Global population continues to rise and hazardous materials are being released into the environment in large quantities. Many companies adopt clean and green technologies because of favorable economy. This is only due to the fact that they are able to reduce material consumption, improve and go beyond compliance and significantly lower clean-upcosts. Improvements are being made at both the processes, concepts and also at consumer levels.

Keywords: Atom economy, synthetic schemes, sustainable development, chemical feedstock.
