Conference Announcement Journal of Chemical Biology & Pharmaceutical 2019
Vol.1 No.1

2020 CONFERENCE ANNOUNCEMENT ON 23RD EDITION OF INTERNATIONAL CONFERENCE ON GREEN CHEMISTRY AND TECHNOLOGY NOVEMBER 22-23, 2020 IN BARCELONA, SPAIN

Adrian Szczyrba

Student Department: Department of Physical Chemistry University: Medical University of Lublin Country: Poland, E-mail: szczyrba@gmail.com

Green Chemistry promotes the improvement and execution of green and sustainable chemistry into new products and processes. Its research examines the processing of biomass and extraction of chemicals. Green chemistry is also related with emerging synthetic routes to organic and inorganic chemicals and materials starting from renewable resources while circumventing the use of endangered elements and feed stocks. Prime focus is on the use of waste biomass and/or carbon dioxide as sustainable feed stocks. We use key enabling technologies, including catalysis, flow chemistry, and microwave heating to cultivate energy, mass and time-efficient processes.

It can also be defined through the use of metrics. While a unified set of metrics has not been established, many ways to quantify greener processes and products have been proposed. These metrics include ones for mass, energy, hazardous substance reduction or elimination, and life cycle environmental impacts.

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 and apparatus that can simplify operations in chemical productions, and seeking greener solvents that are inherently environmentally and ecologically benign

Quantifying the environmental impact of chemical technologies and products, and comparing alternative products and technologies in terms of their “greenness” is a challenging task. Precise research areas comprise of green and sustainable solvents, microwave enhanced biomass processing, CO2 utilisation, development and applications of bio-derived mesoporous carbons, synthesis of sustainable polymers.

Selection of compounds and materials to be used to increase the efficacy of chemical transformations is a pivotal point in process development; chemists should dedicate increased attention to the decision on which materials to be put into reaction vessels. It is simple to disregard all

the other materials and to dedicate all efforts exclusively to the chemosynthetic pathway, which provides us with the desired product. However, discounting all the other matter present in a production process ultimately results in a high price to be paid, and we finally have to get rid of this scenario. Sometimes, chemists actually produce hazardous molecules, and, therefore, the subsequent principle is dedicated to the design of molecules which are intrinsically safer in their nature.

The Facts and Facets of Green Chemistry 2020 and the most recent research are going to be illustrated by Adrian Szczyrba, Department of Physical Chemistry. Medical University of Lublin, Poland in the "23rd Edition of International Conference on Green Chemistry and Technology "scheduled for November 22-23, 2020 in Barcelona, Spain. With the help of our esteemed Organizing Committee Members this conference is expected to be one of the most successful and productive events in the history of ME Conferences.

We invite you to join us to witness invaluable scientific discussions and add to the prospect's future advancements in the upcoming "23rd Edition of International Conference on Green Chemistry and Technology" which is going to be held during November 22-23, 2020 in Barcelona, Spain.

Contact Details:
Ethan Mathew
Conference Manager