

International Conference on
Organic and Inorganic Chemistry

8th World Congress on
Green Chemistry and Technology
February 18-19, 2019 | Paris, France

Heterocycles: Benign and sustainable synthetic methodologies


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New heterocycles that can interact with biological organisms as active leads shaped an ever-increasing competition for proficient synthetic structures aiming to establish various drug-like structures. Heterocycles were commonly established through conventional and non-eco-friendly procedures and it made their production environmentally non-proficient and multifaceted process. Developing simple, benign and sustainable synthetic methodologies for heterocycles will be

described. Grinding Chemistry, microwave-assisted synthesis, solar-assisted synthesis, and others were feasible benign, simple, and rapid methodologies for synthesis instead of risky conventional procedures. The appointed green methodologies presented excellent conversions with optimum yields, energy proficient, and more economically and ecologically constructive pathways to valuable organic compounds.

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