

Review on Green Chemistry and Catalysis

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Abstract: *Green chemistry, also known as sustainable chemistry, refers to the development of chemical products and processes that minimize or exclude the operation and product of dangerous composites. They only use environmentally friendly chemicals and chemical procedures. It is erected on twelve principles that can be used to develop or reproduce notes, accoutrements, responses, and processes that are safer for mortal health and the terrain from the ground over. Green Chemistry decreases the environmental impact of chemical processes and technologies, as demonstrated in this composition. The thing of this exploration is to learn further about the part of catalysts in green chemical conflation for a further sustainable future. In the ecologically friendly conflation of novel and being composites, catalysis plays a critical part. Catalyzed processes bear lower energy to produce and produce smaller by-products, co-products, and other waste particulars, indicating increased effectiveness. Catalysts can be created in such a way that they aren't dangerous to the terrain. Catalysts come in a variety of shapes and sizes, and some of them have positive goods in the chemical assiduity.*

Keywords: Biocatalysis, Biomass, Ionic Liquids, Critical Fluids, Microwave oven Irradiation, Photocatalysis, Green Chemistry description of green chemistry Biocatalysis, Biomass, Ionic Liquids, Critical Fluids, Microwave oven Irradiation, Photocatalysis, Green Chemistry description of green chemistry.

REFERENCES

- [1]. <https://www.sciencedirect.com/topics/materials-science/selective-catalytic-reduction>
- [2]. <https://www.shivajicollege.ac.in/sPanel/uploads/econtent/77b54a17d50a74514260bd71137d5d7c.pdf>
- [3]. <https://unacademy.com/content/upsc/study-material/chemistry/overview-of-catalytic-oxidation-reaction/>
- [4]. <https://pubs.acs.org/doi/10.1021/acscatal.6b00758>
- [5]. <https://byjus.com/chemistry/hydrolysis/>
- [6]. <https://www.sciencedirect.com/topics/medicine-and-dentistry/dielectric-heating#:~:text=41%2C42-,Microwave%20dielectric%20heating%20is%20dependent%20on%20the%20ability%20of%20a,and%20a%20magnetic%20field%20component>
- [7]. <https://www.sciencedirect.com/science/article/abs/pii/S1743967120300222#:~:text=Microwave%2Dassisted%20catalytic%20pyrolysis%20technique,utilization%20of%20low%2Drank%20coal>
- [8]. <https://www.sciencedirect.com/science/article/pii/B9780128198483000074#:~:text=Microwave%2Dassisted%20reduction%20for%20catalyst,is%20also%20examined%20%5B74%5D>
- [9]. <https://pubmed.ncbi.nlm.nih.gov/23943491/#:~:text=Microwave%2Dassisted%20peptide%20synthesis%20has,quality%20of%20the%20peptides>