

A review on biodiesel and bio derived polymer production from algae: An alternative renewable source

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Nowadays, algae are considered as third generation feedstock since they have many advantages over first and second generation feedstocks such as their high growth rate, non-competitiveness with food, need of less area for growth, fixation of CO₂ from environment and lack of having recalcitrant compartment like lignin, and they are more suitable for mainly biofuel and bio derived polymer productions. In this review paper, the biodiesel production from algae and production of biopolymers is discussed. Many different processes to produce commercial bio-based polymers from algal biomass were presented to give point of view for using sustainable and renewable sources

Biography

Dr.Preeti Zade has completed her Ph.D. in Organic Chemistry from University of Mumbai, India. She is working as an Associated Professor in Terna Engineering College, Navi Mumbai. She had 16 years teaching experience. She has published 10 papers in journals, 12 were presented in national and international conferences. Prof. Sandeep Zade has completed his M.E. in Environmental engineering from Sant.Gadge baba university, Amravati, India He is working as an Associated Professor in A.C.Patil college of Engineering, Navi Mumbai. He had 20 years teaching experience.

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