

Manufacturing of Biodegradable Plastics

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Abstract: *Plastics have been an integral part of our lives for several decades in the form of convenient and useful commodity items. Plastic products are usually inert, chemically stable, resistant to corrosion, water-proof, durable and light-weight. Furthermore, the fact that conventional plastics are derived from fossil fuels and are also responsible for greenhouse gas emissions during their manufacture is often a sore point. In particular, the plastic bag has in recent times come under attack for its prolific presence in the environment, and its impact on said environment. Degradable plastic bags were created to help solve the problems highlighted and they are often promoted as more ecologically, and environmentally friendly alternatives to conventional, non-biodegradable plastic bags.*

Keywords: Environmental Costs, Environmental Benefits, Biodegradable polyesters.

REFERENCES

- [1]. V. Sharon Keziah, R. Gayathri, V. Vishnu Priya. Biodegradable Plastic Production from Cornstarch. Vol 10, Issue 7, 2018.
- [2]. Ajay Yadav, S. Mangaraj, Ranjeet Singh, Sanjay Kumar Das, Naveen Kumar M. And Simran Arora. Biopolymers as packaging material in food and allied industry. International Journal of Chemical Studies 2018 ;6(2): 2411-2418