International Journal of ChemTech Research
CODEN (USA): IJCRGG, ISSN: 0974-4290, ISSN(Online):2455-9555
Vol.12 No.06, pp 125-133, 2019

Biodegradability of Synthetic Plastics – A Review

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Abstract : Plastics are chemically synthesized polymers made up of two sets of plastics - thermosetting and thermoplastics. There different properties have made it to enter in different sectors and replaced the conventional materials. There durability has made it non biodegradable and has also affected the environment due to its large production according to the need of the growing population. The use of biological means to degrade these plastics has been extensively studied by using different microorganisms collected from mainly contaminated sites. This paper discuss about the different screening methods for the detection of plastic degrading microorganisms. The different enzymes synthesized by microorganisms degrade different types of plastics.

Keywords : Plastic degradation, Biodegradable, Enzymes, Environment.

Jaysree R.C.*et al* /International Journal of ChemTech Research, 2019,12(6): 125-133.

DOI= http://dx.doi.org/10.20902/IJCTR.2019.120616

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