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6 Biotechnology Vol 11:Biodegradation and Bioremediation be determined by analyzing the microbial diversity at different time points or after treatment/change in carbon source of the niche

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Advances in genetic and protein engineering techniques have opened up new avenues to move towards the goal of genetically engineered

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Advances in the field of high-molecular-weight polycyclic aromatic hydrocarbon biodegradation by bacteria mbt\_130 136164 Robert A Kanaly1\* and Shigeaki Harayama2 1Department of Genome Systems, Faculty of Bionanoscience, Yokohama City University, 22-2 Seto, Kanazawa-ku, Kanagawa-ken, Yokohama 236-0027, Japan

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through this book Advances in Environmental Biotechnology We anticipate that this diation and biodegradation of toxic pollutants, pesticides, and azo dyes using

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Industrial biotechnology of Pseudomonas putida: advances and prospects † Pseudomonas putida advances to a global industrial cell factory P putida in biodegradation of xenobiotics in the 1960s (Nakazawa 2002), the acquisition of knowledge about the genetics, biochemistry, and physiology of this microbe has

### **Journal of Microbial & Biochemical Technology**

Engineering Biotechnology Laboratory, Department of Chemical Engineering, stem from advances in molecular biology and process engineering are Journal of J Microbial & Biochemical Technology o u r n a l c o f M i on the potential biodegradation of bitumen by bacterial monoculture and

consortium has been reported [1,25,26], however, there

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The successful biodegradation of metal-cyanide complexes has been shown in aerobic and anaerobic conditions in both bench scale and pilot studies (Baxter and Cummings 2006) One of the most successful industrial applications is an aerobic biological treatment process employed at a Homestake Mining Co operation in South Dakota

### **Biological degradation of plastics: A comprehensive review**

biodegradable plastics and biodegradation of plastic wastes has assumed increasing importance in the last few years Awareness of the waste AA Shah et al / Biotechnology Advances 26 (2008) 246-265 247 The dramatic increase in production and lack of biodegrad-ability of commercial polymers, particularly commodity

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Biodegradation pathway engineering Emerging pollutants Environmental biotechnology Systemic biology Metabolic engineering Systems biology P Dvořák et al Biotechnology Advances 35 (2017) 845-866 846 pathways and whole ...