

State-of-the-art review of bioremediation studies

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Abstract: The state of the art bioremediation has been rapidly expanding during the last decade. Numerous articles are being published in a remarkable number of journals. Biodegradability of all possible organic pollutants is being tested in field and lab. New technologies are being discovered to biodegrade even the most recalcitrant organic chemicals. Many new books on bioremediation studies are also being written and edited. Information is scattered in books, journals, conferences and many other sources. The objective of this paper is to summarize the available existing literature on bioremediation studies. Issues covered are bioremediation in context with other remediation technologies, biodegradability of different organic compounds under different condition as reported in lab and fields studies, factors affecting bioremediation, and review of existing literature on modeling and case studies. Copyright © 1996 by Marcel Dekker, Inc.