

Contents

1	General Introduction	1
1.1	General Introduction	1
1.2	Health Effects of TRS Compounds	3
	References	6
2	Emissions from Pulping	9
2.1	Kraft Pulping	9
2.2	Emissions from Neutral Sulphite Semi-Chemical (NSSC) Pulping	12
2.3	Emissions from Sulphite Pulping	13
2.4	Mechanical Pulping	13
	References	15
3	Biological Methods for the Elimination of Odourous Compounds	17
3.1	Biofilters	20
3.2	Biotrickling Filter	32
3.3	Bioscrubbers	37
	References	39
4	New Reactors	45
4.1	Biological Plate Tower (BPT)	45
4.2	Membrane Bioreactor	48
4.3	Sparged Gas Reactors	50
4.4	Other Bioreactors	50
	References	51
5	Removal of Odours	53
	References	62
6	Future Prospects	67
	References	72
	Index	73



<http://www.springer.com/978-3-319-07538-9>

Biological Odour Treatment

Bajpai, P.

2014, VII, 74 p. 9 illus., Softcover

ISBN: 978-3-319-07538-9