

Contents

1	General Background and Introduction	1
	References.	8
2	Lignin	11
	References.	14
3	Carbon Fibre	17
	References.	22
4	Carbon Fibre Market	25
	References.	28
5	Lignin as a Raw Material for Carbon Fibre	29
	References.	31
6	Recovery of Lignin	33
	6.1 Kraft Lignin	34
	6.2 Steam Explosion Lignin	38
	6.3 Organosolv Lignin	39
	References.	41
7	Lignin as a Precursor for Carbon Fibre Production	43
	7.1 Production from Different Types of Lignin.	44
	References.	57
8	Conversion of Lignin to Carbon Fibre	63
	8.1 Wet Spinning	63
	8.2 Dry Spinning	63
	8.3 Melt Spinning.	64
	References.	66
9	Future Directions	69
	References.	70
	Index	73



<http://www.springer.com/978-981-10-4228-7>

Carbon Fibre from Lignin

Bajpai, P.

2017, XIII, 77 p. 10 illus., Softcover

ISBN: 978-981-10-4228-7