

Contents

1	Introduction	1
1.1	Distribution	2
1.2	Botanical Characterization and Pharmacognostical Details	2
1.3	Importance in Traditional Medicinal Systems	7
	References	9
2	Ethno-biology	11
2.1	Introduction	11
2.2	Medicinal Uses	12
2.3	Socio-Cultural Importance	12
2.4	Magico-Religious Beliefs	17
2.5	Ethno-conservation	19
	References	20
3	Phytochemical Studies	25
3.1	Introduction	25
3.2	Root	34
3.3	Stem Bark	42
3.4	Leaf	42
3.5	Flower	43
3.6	Seed	44
3.7	Gum	45
	References	45
4	Pharmacological Investigations and Toxicity Studies	51
4.1	Introduction	51
4.2	Antioxidant Activity	52
4.3	Antimicrobial Activity	53
4.4	Anthelmintic Activity	55
4.5	Larvicidal Activity	55

4.6	Anti-inflammatory Activity	55
4.7	Analgesic Effect	56
4.8	Antipyretic Activity	57
4.9	Anti-angiogenic and Antimutagenic Activities	57
4.10	Hepatoprotective Activity	58
4.11	Hypotensive Activity	59
4.12	Hypoglycemic Activity	59
4.13	Fibrinolysis-Enhancing Activity	60
4.14	Androgenic and Anabolic Activity	60
4.15	Other Biological Activities	61
4.16	Toxicity Studies	63
4.17	Conclusion	65
	References	65
5	Commercial Importance	69
5.1	Introduction	69
5.2	Floss	69
5.3	Wood	70
5.4	Oil	71
	References	71
6	Ecological Importance and Need of Conservation	73
6.1	<i>Bombax ceiba</i> : A Multipurpose Tree Species	73
6.2	The Need of Conservation	76
6.2.1	Case Study	77
6.2.2	Conservation Efforts	77
6.2.3	Awareness Campaign	78
6.2.4	In Situ Conservation	79
6.2.5	Ex Situ Conservation	83
6.2.6	Conclusion	85
	References	85
7	Future Research	89
	Index	91

Pharmacology of *Bombax ceiba* Linn.

Jain, V.; Verma, S.K.

2012, XII, 94 p. 19 illus., 13 illus. in color., Softcover

ISBN: 978-3-642-27903-4