CONTENTS

Acknowledgement		iii
Forew	ord	v
Introduction		1
Part-I	: Agriculture, Plant Science and	
	Ecology	83
1.	Agricultural Practices in Ancient India	85
2.	Agriculture in the Vedic Period	145
3.	Agricultural Practices in Kautilya's	
	Arthaśāstra	175
4.	Agriculture and Meteorology in	190
5.	Ancient India Rice Through the Ages	200
5. 6.	Family Relations of Some Plants	200
0.	in the Atharvaveda	214
7.	Environment and Ecology	
	in the Rāmāyaṇa	240
8.	Ecology in Ayurveda: Nature-Man	
	Relations	264
Part II : Medicine		289
9.	Vedic Medicine: Some Aspects	291
10.	Anatomy in the Vedic literature	327
11.	Methods of Sterilization and Sex	
	Determination in the Atharvaveda and	
	Brhadāranyokopanisad	345
	A Critical Study of Garbhopanisad	355
	Ayurveda Ayurvedia Madical Tashuisusa and	362
14.	Ayurvedic Medical Techniques and Practices in Medieval India	402
	r ractices in Medieval Illula	402

15. Principles of Ayurvedic Treatment in	458	
Pursuit of Beauty	498	
16. Humoral Concepts of Unani and		
Ayurvedic Systems : A Comparative Study	470	
	502	
17. Food and Health in Ayurvedic Thought	902	
Part III: Alchemy, Chemistry and		
Technology	525	
18. Rasaśāstra : Sanskrit Chemical and		
Alchemical Texts	527	
19. Rasārņavakalpa of Rudrayāmala Tantra	539	
20. Mātṛkābhedatantram and Its Alchemical		
Ideas	547	
21. Minerals and Gems in Indian Alchemy	560	
22. Astronomy and Alchemy in India	587	
23. Dyes in Ancient and Medieval India	594	
24. Fermentation Technology	637	
25. Pyrotechnics	653	
26. Paper and Written Communication	671	
Part IV : Miscellaneous	697	
27. Concept of World in Vedic Thought	699	
28. Man and Spirit in Vedas	728	
29. Scientific Information in the Rāmāyaņa	740	
30. Some Aspects of Sanskrit Texts Dealing		
with Chemical, Iatro-Chemical and		
Biological Ideas	753	
31. The Concept of yantra in the		
Samarāṅgaṇa Sūtradhāra of Bhoja	787	
32. Village Settlements in Bengal:		
Some Epigraphic Evidence		
5th Century A.D. to Early		
Medieval Period	798	
Content of Tables	xxvii	
List of Appendix		
List of Figures		
Index	xxix 827	