## Contents

Foreword by Dr Nitin Gangane Foreword by VD Patil		
	face to the Third Edition	ix X
Preface to the First Edition		
1 101	ace to the the Eamon	xiii
1.	Safe Use of Blood	1
2.	Blood Donation	15
3.	Donor Health Screening, Donor Suitability Evaluation, Phlebotomy, Post-Donation Care and Adverse Donor Reactions	30
4.	ABO Blood Group Systems	38
5.	Subgroups of ABO System and Bombay Phenotype	55
6.	Rh Typing and Weaker Variants of Rh System	58
7.	Preparation and Standardization of Anti-Human Globulin (AHG) Reagent	63
8.	Coombs' Test	66
9.	Crossmatching	73
10.	Transfusion Reactions	78
11.	Transfusion Transmitted Diseases (TTDs)	95
12.	Preservation of Blood, Principles and its Applications in Blood Banking	104
13.	Blood and Blood Components	113
14.	Blood Transfusion in Clinical Practice	124

xvi Essentials of Blood Banking and Transfusion Med		
15.	Autologous Blood Transfusion	148
16.	Blood Substitutes	152
17.	HLA Antigens and other Platelet and Leucocyte Antigens and their Role in Blood Transfusion	156
18.	Errors and Discrepancies in ABO Typing	162
19.	Blood Centre Organization and its Management	171
20.	Motivation, Recruitment and Retention of Blood Donors	182
21.	Recent Advances in Blood Centres	188
22.	Quality Improvement and Quality Control in Blood Transfusion Services	196
23.	Convalescent Plasma and SARS-CoV-2 (COVID-19) Antibodies	214
24.	Zero Tolerance for Wrong Blood Transfusions: The Haemovigil Solution	220
Rei	ferences	223
Ina	lex	229