Contents

1. **Immunology: Basics and Applied** 1
   Kabir Sardana
2. **Cytokines Signaling Pathway and Role of JAK-STAT Pathway** 19
   Kabir Sardana
3. **JAK Inhibitors: An Overview** 31
   Kabir Sardana
4. **JAK Inhibitors in Alopecia Areata** 46
   Debatri Datta, Anupam Das
5. **JAK Inhibitors in Atopic Dermatitis** 55
   Kittu Malhi, Jaspriya Sandhu
6. **JAK Inhibitor in Psoriasis: Looking beyond Biologicals** 68
   Kabir Sardana
7. **Janus Kinase Inhibitors in Vitiligo** 73
   Shivani Bansal, Sushama Sushama
8. **JAK Inhibitors for Eczematous Conditions** 82
   Soumya Jagadeesan, Prasanna Duraisamy
9. **JAK Inhibitors in Pruritic Disorders** 90
   Ramkumar Ramamoorthy, Kabir Sardana
10. **Off-label Uses of Janus Kinase Inhibitors** 96
    Kabir Sardana
11. **Adverse Effects of JAK Inhibitors** 111
    Varadraj V Pai, Amrutha Solanke
12. **Baseline Tests and Monitoring** 125
    Ananta Khurana
13. **Common Janus Kinase Inhibitor Drugs** 133
    Kabir Sardana, Sunil Dogra, Shikha Shah

Index 143