

Contents Contributors

Introduction

PART I Principles of Pharmacology

Chapter 1. Basic Principles of Molecular Biology and Genomics

Chapter 2. Neurotransmitters, Receptors, and Transporters

Chapter 3. Genetics and Epigenetics

Chapter 4. Psychoneuroendocrinology

Chapter 5. Brain–Immune System Interactions

Chapter 6. Pharmacokinetics, Pharmacodynamics, and Pharmacogenomics

Chapter 7. Neuroimaging and Psychiatry

Chapter 8. Personalized Medicine in Psychiatry

Chapter 9. Machine Learning in Psychopharmacology

Chapter 10. Monoamine Oxidase Inhibitors.

Chapter 11. Tricyclic and Tetracyclic Drugs

Chapter 12. Fluoxetine and Fluvoxamine

Chapter 13. Sertraline and Paroxetine

Chapter 14. Citalopram and Escitalopram

Chapter 15. Trazodone and Nefazodone

Chapter 16. Vortioxetine

Chapter 17. Mirtazapine

Chapter 18. Bupropion

Chapter 19. Venlafaxine and Desvenlafaxine

Chapter 20. Duloxetine, Milnacipran, and Levomilnacipran

Chapter 21. Ketamine and Esketamine

Chapter 22. Benzodiazepines

Chapter 23. Buspirone

Chapter 24. Brexanolone and Other Neurosteroids

Chapter 25. Classic Antipsychotic Medications

Chapter 26. Clozapine

Chapter 27. Olanzapine

Chapter 28. Quetiapine

Chapter 29. Risperidone and Paliperidone

Chapter 30. Aripiprazole and Brexpiprazole

Chapter 31. Ziprasidone and Asenapine

Chapter 32. Iloperidone

Chapter 33. Lurasidone

Chapter 34. Cariprazine

Chapter 35. Pimavanserin

Chapter 36. Management of Psychiatric Medication–Induced Movement Disorders

Chapter 37. Lithium

Chapter 38. Valproate

Chapter 39. Carbamazepine, Oxcarbazepine, and Lincarbazepine

Chapter 40. Gabapentin and Pregabalin

Chapter 41. Lamotrigine

Chapter 42. Topiramate

Chapter 43. Agents for Cognitive Disorders

Chapter 44. Sedative-Hypnotics

Chapter 45. Psychostimulants and Wakefulness-Promoting Agents

Chapter 46. Electroconvulsive Therapy and Other Neuromodulation Therapies

Chapter 47. Psychedelic Drugs as Treatments in Psychiatry

PART III Psychopharmacological Treatment

Chapter 48. Treatment of Depression

Chapter 49. Treatment of Bipolar Disorder

Chapter 50. Treatment of Anxiety and Related Disorders

Chapter 51. Treatment of Posttraumatic Stress Disorder

Chapter 52. Treatment of Obsessive-Compulsive Disorder

Chapter 53. Treatment of Schizophrenia

Chapter 54. Treatment of Substance Use Disorders

Chapter 55. Treatment of Alcohol Use Disorder

Chapter 56. Treatment of Personality Disorders

Chapter 57. Treatment of Eating Disorders

Chapter 58. Treatment of Insomnia

Chapter 59. Treatment of Chronic Pain

Chapter 60. Treatment of Child and Adolescent Disorders

Chapter 61. Treatment During Late Life

Chapter 62. Treatment of Women Excluding Pregnancy and Postpartum

Chapter 63. Treatment of Women During Pregnancy and Lactation

Chapter 64. Treatment of Attention-Deficit/Hyperactivity Disorder in Adults

Chapter 65. Treatment of Individuals With Intellectual Developmental Disorder

Chapter 66. Treatment of Autism Spectrum Disorder

Chapter 67. Treatment of Psychiatric Emergencies.

Appendix

Psychiatric Medications

Index

