

Special Issue

Pharmacology, Diagnosis and Treatments of Psychiatric Diseases

Message from the Guest Editors

Pharmacology plays a vital role in managing psychiatric disease. Selective serotonin reuptake inhibitors (SSRIs), antipsychotics, mood stabilizers, and anxiolytics are common pharmacologic interventions used to balance neurotransmitter levels and alleviate symptoms. The diagnosis of psychiatric disorders is primarily based on clinical assessments and standardized criteria from the DSM-5 (Diagnostic and Statistical Manual of Mental Disorders) and ICD-10 (International Classification of Diseases), as there are currently no definitive biomarkers for most conditions. Assessment tools help in evaluating symptom severity and guiding treatment plans. Treatments are often multifaceted, combining medication with psychotherapy, cognitive behavioral therapy (CBT), and, in some cases, electroconvulsive therapy (ECT) for treatment-resistant cases. Recent advances in pharmacogenomics and neuroimaging hold promise in the development of more personalized treatment approaches, offering hope for improved patient outcomes in psychiatric care through tailored therapies based on individual genetic and neurobiological profiles.

Guest Editors

Dr. Giuseppe Marano

1. Department of Neurosciences, Università Cattolica del Sacro Cuore, Rome, Italy
2. Unit of Psychiatry, Fondazione Policlinico Universitario A. Gemelli IRCCS, Rome, Italy

Dr. Marianna Mazza

Department of Geriatrics, Neuroscience and Orthopedics, Institute of Psychiatry and Psychology, Fondazione Policlinico Universitario A. Gemelli IRCCS, Università Cattolica del Sacro Cuore, 00168 Rome, Italy

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona
Institute of Science and Technology, 08028 Barcelona, Spain

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