



Antidepressant Drug

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Deadline for manuscript
submissions:

closed (10 March 2025)

Message from the Guest Editor

Antidepressants (Ads) mostly work by increasing extrasynaptic monoamine levels in the brain, which leads to many side effects on the peripheral nervous system. Moreover, ADs have a delayed onset of action even after weeks of treatment. Therefore, new rapid-action antidepressants, among them ketamine and NMDA antagonists, are being intensively studied. Nowadays, antidepressant drugs are divided into five classes: SSRIs, SNRIs, TCAs, MAOIs and atypical antidepressants with unique mechanisms of action. Furthermore, natural antidepressants such as omega-3-fatty acids or exercise, which can supplement antidepressant therapy, are gaining traction. Therefore, the development of new drugs and methods for depression treatment is critical.

In this Special Issue, we aim to present well-known and new therapeutic agents and strategy for depression treatment. We will be focusing on traditional treatments and novel antidepressant molecules, such as peptides or cannabinoids, as well nutrition supplementation, which can be important for MDD treatment. In this Special Issue, we want to expand the knowledge on antidepressant drugs and their mechanism of action.





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