



## State of the Art of CNS Drug Discovery and Development

Guest Editor:

**Dr. Anna Waszkielewicz**

Department of Medicinal  
Chemistry and Biochemistry,  
Faculty of Medicine, Andrzej Frycz  
Modrzewski Krakow University,  
Gustawa Herlinga-Grudzińskiego  
1, 30-705 Krakow, Poland

Deadline for manuscript  
submissions:

**closed (20 September 2022)**

### Message from the Guest Editor

Some problems regarding CNS diseases have been solved, and many have been dealt with partially. Many have been a starting point for more research and better understanding of receptor structures, biochemical processes, and development of diseases. A lot of research interest has been focused on chiral drugs and isomerization, liberation, absorption, distribution, metabolism, elimination (LADME) processes, and new IT technologies for the determination of potential binding to receptors or possible toxicity.

The recent pandemic has shifted the research interest of pharma companies to other areas of interest for drug candidates; therefore, this is a great opportunity to sum up recent achievements in CNS drug discovery.

### Keywords

- CNS drug discovery
- drug candidates
- synthesis
- LADME





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**  
Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

## Contact Us

---

*Applied Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
[X@Applsci](https://twitter.com/AtApplsci)