

Special Issue

Mechanisms of Drug Interactions: Pharmacodynamics and Pharmacokinetics

Message from the Guest Editors

Pharmacokinetic interactions occur when one drug alters another drug's absorption, distribution, metabolism, or excretion. This type of reaction can vary between patients and requires individual management. Pharmacodynamic interactions occur between drugs with similar or opposite pharmacological effects. The occurrence of interactions between the drugs a patient takes can have an adverse effect on the action of the drugs and the patient's health. Treatment is not effective if the effect of the drugs is weakened and/or their action modified. On the other hand, an increase in the plasma concentration of a therapeutic substance and its prolonged residence in the human body can lead to adverse effects specific to the drug, but with greater intensity and a greater probability. Such effects can be dangerous to the patient's health or even life-threatening. This Special Issue welcomes studies on the mechanisms underlying drug interactions, their clinical significance, and practical, evidence-based options for the safe and effective management of the consequences of drug interactions.

Guest Editors

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