

Special Issue

Biology of Olfactory Disorders

Message from the Guest Editor

The study of the olfactory system, and related chemical senses, is probably the most intriguing because of its ancestral biological role. The mechanism of reproduction is based on a chemoreceptive process in which sperm, with the same olfactory receptors present in the nose, 'smell' the egg and follow its released chemical trail. From food preference to the choice of environment and partner. Consequently, the impairment of the sense of smell and related chemical senses is of dramatic importance for health. We have realised that smell is often an early marker of infection, as in the case of COVID-19, or pathology, as in neurodegenerative diseases such as Parkinson's and Alzheimer's. In addition, in endocrine dysfunctions such as genetic Kallmann syndrome, characterised by hypogonadotropic hypogonadism, anosmia or dysosmia is a hallmark. This Special Issue aims to delve into various topics related to our chemical senses and to capture the most interesting developments in the field.

Guest Editor

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Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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