

Special Issue

Impact of Endogenic and Exogenic Oxidative Stress Triggers on Pregnant Woman, Fetus, and Child

Message from the Guest Editor

Pregnancy is a dynamic process. Disorders in this process can lead to complications in pregnancy, changes in the growth path of the fetus, premature birth, and some other conditions. Homeostasis of the maternal environment is maintained through a variety of mediators. Factors that interfere with this homeostasis can be endogenous or exogenous and are inflammation, oxidative stress, exposure to chemical agents, and lack or excess of food, which can jeopardize the growth and development of the fetus. During pregnancy, there is an increase in oxidative stress, a phenomenon caused by the usual systemic inflammatory response, resulting in a large amount of reactive oxygen species in the circulation. The development and maturation of the placenta is a complex process that requires coordinated regulation of trophoblast invasion and its differentiation and spread in the maternal decidua. This Special Issue is dedicated to all aspects of oxidative stress. We must take into account all extensions of oxidative stress, which also include the period before fertilization itself, and the entire duration of pregnancy and childbirth. Everyone is welcome to contribute.

Guest Editor

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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