



Micro(nano) Plastics as Endocrine Disruptors in Human Diseases

Guest Editor:

Dr. Anna Maria Giuseppina Poma

Department of Life, Health and
Environmental Sciences,
University of L'Aquila, 67100
L'Aquila, Italy

Deadline for manuscript
submissions:

closed (20 February 2026)

Message from the Guest Editor

Studies have yet to demonstrate a likely link between cancer risk and micro(nano) plastic effects on breast/the female reproductive system/colon. Bisphenols and additives, phthalates, heavy metals such as cadmium, PFAS, and flame retardants all leach from microplastics/nanoplastics. Researchers have recently reported microplastics to be potentially connected to colorectal cancer and to exacerbate breast cancer metastasis.

More work is required and we hope manuscripts submitted to this Special Issue will clarify the following:

Cellular and molecular effects and mechanisms of exposure to endocrine-disrupting micro(nano) plastics and estrogens relative to the female reproductive system, breast, and colon.

Novel methods for toxicity, genotoxicity, and epigenetic effect evaluation of nanomaterials and micro(nano) plastics on female normal and cancer cells, tissues, and organs.

Biocompatible nanomaterials and micro(nano) plastics for applications in which they have no effect as endocrine disruptors.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. José L. Quiles

Department of Physiology,
Institute of Nutrition and Food
Technology “Jose Mataix”,
Biomedical Research Center,
University of Granada, Avda.
Conocimiento s/n, 18100 Armilla,
Granada, Spain

Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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.

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), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI