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Genes, Environment and Cancer

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Deadline for manuscript submissions:

closed (15 January 2021)

Message from the Guest Editors

Dear Colleagues,

Pollution is known to cause and exacerbate a number of chronic diseases, including cancer. In particular, the genetic and epigenetic susceptibility to cancer actually reinforce the concept of an environmental origin of many cancers. However, there is still a scientific debate as to whether cancer may be caused by the numerous polluting-activity-associated carcinogenic compounds. A clear example of this relationship is represented by malignant mesothelioma (MM). MM is a rare and highly fatal form of cancer of the pleura (or more rarely, peritoneum or pericardium) that is caused by the inhalation of asbestos and other mineral fibers. Most research efforts have focused on occupational exposure to asbestos and have demonstrated their carcinogenicity in animals and humans. However, the role of toxic environmental agents in the genesis of cancers affecting the general population, and the determination of the fraction of overall cancers attributable to pollution, remain issues worth investigation. Therefore, further research will need to explore this and provide a more comprehensive understanding of the problem.



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Special Issue



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Message from the Editor-in-Chief

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