

## عنوان مقاله:

A Survey Upon Niobium Inhalation in a Mouse Model for the Understanding of Air-Suspended Particle Systemic Repercussion

## محل انتشار:

سومین همایش ملی تهویه و بهداشت صنعتی (سال: 1391)

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## خلاصه مقاله:

In This research, we explore the effects that Niobium inhalation produce in different tissues and organs of a mouse. Our findings support the systematic effects of air pollution. In this paper, we describe our results in different organs of a specific animal, a mouse. Because, There is an increased attention about the health effects that air-suspended particles have upon human health that have been dissected in animal models. There is an increased attention about the health effects that air-suspended particles have on human health which have been dissected in animal models. In This Paper, we explore the effects that Niobium inhalation produce in different tissues and organs of a mouse. Our findings support the systematic effects of air pollution. In this paper, we describe our findings in different organs of that animal. In our mice model, Niobium induced functional, cytological, and ultrastructural alterations in the olfactory bulb, motor cortex, hippocampus, striatum, substantia nigra, and ependyma. In the olfactory bulb granule cells, spine density decreased at different times of exposure (4, 5, 6, 7, 8, 10, and 12 weeks). In addition, lipofuscin granules, swelling organelles, vacuolation, and cytoplasmic condensation with disrupted mitochondria were recorded; apoptosis and necrotic neuronal deaths were also identified. In our hands, these alterations were associated with olfactory dysfunction. Nearly, all organs and systems, are converted by niobium inhalation

## کلمات کلیدی:

air pollution, inhalation, animal models, health, DNA damage, ROS, MAPKs

## لینک ثابت مقاله در پایگاه سیویلیکا:

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