

Conservativeness in Tobacco Smoke Spread Process

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ABSTRACT After a cigarette has been smoked in a limited area and that the smoke has dissipated, people, especially passive smokers sometime have the visual illusion that smoke particles and particulate matters have gone and that the danger to the health and lungs has ended. In this paper, a theoretical approach is used to investigate the quantitative and qualitative effects of smoke particulate matters, transported and spreading in a limited region. The researcher proves mathematically that tobacco smoke and its toxic chemicals remain in a house's room or public place where they have been released. Transport and break-up processes of atmospheric particulate matters do not removed them but only change the distribution of the particulates in the room's atmosphere, hereby addressing the problem of people exposed to second-hand tobacco smoke in our homes and work places.