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An energy efficient scientific framework for the establishment of healthy pathways

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Environment is the ultimate creation which is created by Almighty without which “Life is Impossible on Earth”. Human health is being spoiled due to human beings themselves as they are destroying the environment for their temporary desires. One of the ways of protecting health is by detoxifying roads as it contains PAH contaminations (PAHc), which are present in the seal coats of bitumen and coal tar. PAHc are toxic, carcinogenic, mutagenic and even does not spare a pregnant women. PAHc move from a seal coat to our houses by mechanisms like storm runoff, adhesion to tires, wind, foot traffic and volatilization. In this paper an idea is proposed to have Healthy Pathways as alternative seal coat with clay by heating it with the help of nuclear energy. We can insert micro nuclear reactor into the road roller. We can use clay as a seal coat as the absorption capacity of the clay depends on the state of hydration and is ranged from 24% to 30.4% water content, clay has a vitrification point below 1100°C (2000°F). So, this means clay has long-lasting effect. Moreover clay is non-toxic, eco-friendly as well as biodegradable and inexpensive compared to coal tar/bitumen. We can add aluminium silicates before heating, to provide the permanent load bearing capacity to the clay roads. Due to large amount of heat production in to the environment during heating with micro nuclear reactor we can use peltier cooler which helps in cooling up the escaped heat. Thus by this design, we can utilize science and technology as boon but not as a bane.

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