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## RESEARCH ARTICLE

# PUCCA PAVEMENTS: AN ECOLOGICAL HAZARD

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### ABSTRACT

The body tape cities are a new reality in countries like India taking shape due to the unwanted, irrational, excessive and haphazard city development. Even one step ahead, they can be called mummified cities. There are unregistered and unlawful residential colonies sprouting like mushrooms which are then recognized and licensed due to highhandedness, corruption and connivance of public authorities. These colonies have no proper parks, playgrounds, lakes, green lands and lush lanes. The trees on the sides of roads, streets etc are either felled or concrete platforms erected all around them. There is hardly a bare land left. But still scarce greenery does exist in the form of narrow strips of unused land on both sides of roads, streets etc with little grass or herbs. Even if small, such greenery and land strips are necessary for maintaining a tangible ecosystem. It provides with sufficient oxygen rich clean air however small; to breathe plus it also provides enough free space for absorption of rain water to keep the underground water level slush, viscous and barometrically compatible. Instead of increasing such greenery, nowadays highly unwanted so called developmental work like pucca pavements is being undertaken in the name of city beautification on a war footing which has resulted in the encroachment of this already scarce greenery and bare land. God knows only who decides this needless and harmful beautification drive? This seems to be the result of an unholy nexus amongst politicians, corporates, bureaucrats and technocrats and the motive behind such an activity may be the purposeful methodology aimed at embezzlement of public funds. This has had a disastrous ecological impact on the general biology and environment of the cities. This has led to the destruction of many life forms such as natural weeds, herbs, algae, fungi and many more in the botanical kingdom and countless animal species like earthworms, crabs, beetles, moths, maggots, crawlers, creepers, borers and microorganisms etc on the animal side plus it has also led to the depletion of water levels in city areas to limits beyond critical values. All this needs to be reversed and repaired immediately. Pucca pavements are a very big threat to the quantum of life of human, animal and plant descent. Instead we should have mandatory grass strips with other greenery superimposed. A critical ecological audit and an affirmative action is the need of the hour to stop this self destructive race to nowhere.

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## INTRODUCTION

Nature is the mother of all. It is creator, nurturer and vanquisher. It executes all these acts with absolute perfection. There is not even a slightest chance of error in all the maneuvers and methodologies that it employs to achieve its goals. This is happening from the time the universe was created and nobody knows, at least the available knowledge suggests that there is no dependable data about the time register of the timeline in this regard. The great dinosaurs once ruled this planet and as of now they are merely a story of some phylogenetic importance. It may be a fact that man is the ruler of earth in today's date but it is also a fact that man was not at all existent just a million years back or so. Now that he has descended from a sort of some phylogenetic artistry and that he is very much real, this does not guarantee at all that he will continue to exist as such forever. There are many scientists in biological science who believe that man is the most evolved creature on earth and there are many others as well who believe that certain other animals like rats, star fish and cockroaches

But the fact remains undisputed that it is the man only who is in a power to impact changes of a long term sustainable effect of an ecological and environmental nature on the fauna, flora and geographical essence on this planet. Man has acquired powers to cause environmental damage in the form of air, water and atmospheric pollution. Man has been instrumental in unleashing countless radiological hazards in the form of nuclear testing and mishandlings. Who can forget the unforgettable Hiroshima and Nagasaki massacres? Who can let go as such in the memory lane of oneself about the nightmarish reminiscences of Chernobyl and Fukushima? The glaciers are melting very fast. The carbon emissions are very up. The poison levels in air and sea water are alarming. The genetic foods are a reality. But one more enemy has shown its brutal face on the horizon of human existence. It is the horror of body tape cities. The body tape cities are a new and disastrous happening. There is not much heard about them as of now but very soon we will find just everybody talking about them. They are the worst manifestation of the result of corrupt and inefficient governments coupled with lobbies of unbridled corporate greed. They are the just natural

are in a way another tool in making the nations and societies just poorer and more miserable. It is the end result of ill-conceived and faulty town planning and it is the saddest indication of the ways the common people; on whose money these governments survive, are perfectly alienated from the process of the running of governments. It displays to perfection that few corrupt and incapable executives in the government can as and how they decree with the involvement of profit mongering private business houses to organize the totally unwanted, superfluous and harmful so called developmental work. The public money is arranged into spending on just unnecessary projects of public nature and great favors are thrown on the favorite private companies. It is needless to say that these private business houses in turn cater to the unethical, immoral and anti-social demands of these corrupt officers and politicians. The politician-executive-corporate nexus is the backbone of these superfluous public money laundering projects. The basic laws of biological existence are just ignored and the even the slightest human caution is thrown to winds during the conceiving and execution of these projects.

Pucca pavements are such a new development which is not only a loot of public money but also a big hindrance on ground water seepage. Absorption of rain water to the ground underneath is an important factor in urban town planning (Wakode *et al*, 2018). The Mother Earth is the great creator and nourisher of life. It is the actual niche that rears and protects us. Man has made cities, roads, buildings and other commercial and industrial establishments as well. He has covered vast tracts of natural soil with concrete beds. This definitely results in stopping the rain water from being absorbed to underneath and it goes wasting as the wastage of storm water is a serious concern and it should be trapped and made to seep down below (United States Environment Protection Agency, 1999). The one more point to remember here is that portion of earth that comes under the cover of concrete or charcoal lining during the making of these buildings and roads etc was once home to various forms of natural fauna and flora. These entire things just perish under the concrete or charcoal linings. Similarly during the planning of roads and streets in the cities the same process is repeated but a silver lining was visibly existential till now which has now started to cease to exist.

This was in the form of untouched continuous strips of bare natural soil on both sides of these roads and streets. Now some extra wise men have descended on the horizon of public development and come up with the idea that these virgin and natural strips of unused soil are also covered under the concrete cover of pucca pavements? They have forgotten to consider that there is one Mother Nature watching from heavens about their exploits into the realm of super wisdom. This Mother Nature once created this precious soil. It is true that man covered it under the development of housing colonies and other establishments of business or administrative nature or in the making of roads, streets etc but till now a certain portion was existing side by side to all these structures that provided a sort of some partial natural legality to all this. But once you start to cover this virgin land, you also start to lose this natural legal concession. The nature will get angry. Nature allowed you to develop a house, colony or city. Nature also expected that you will also create some parks, lanes of vegetation, ponds and other such things all along. But once you start to abolish all these structures, and even you start to cover the universal running stretches of bare natural soil all along the streets, roads etc, you in a way start to infuriate nature. You become a trampler on the natural rights to existence of the innumerable plant and animal species as well who have continued to thrive on these miniature tracts of virgin land. You in a way become a tyrant on nature. This is the start of a trouble and in real terms it is a very big trouble. Once you come head on with the nature, the onslaught of natural forces is just imminent to fall upon you. You wait a while and it comes hurling. The natural balance is broken and you prepare to face the music of destruction. It may come in many ways. New diseases will emerge. Who knows that these plants and animals are predators on how many harmful virus or bacteria? The nature also respirates from these uncovered stretches of life. You just suffocate it by removing them. If the nature dies, you die too may be a little later.

There are many angles to it and we will try to cover these in this write up that follows little down below.

**Man is also a product of nature and not a machine:** The most important point that we must not forget is that man is also a life form and not a machine. It is a product of nature and it definitely cannot aspire to survive when the other forms of life around it are exposed to extinction. The beauty of life is that it only sustains along with other forms of life also sustaining. So, we cannot pull the death plug on other life forms just on the neighborhood and still dream to flourish well. So, these little strips of pure soil just on the outside of our houses are so urgently needed to keep us alive and thriving. Man as a creature and a product of nature has to co-exist along with other creatures and products of life like grass, weeds and so on.

**The ecosystem of tiny stretches of soil:** Lot of earthworms just start to crawl on the streets and even they manage to cross very much inside our homes when the first big rains do come during a rainy season. From where do they come? Has anybody ever bothered to ponder over? They come from down below the soil strata, is the answer. They come out because they do exist and if they do not exist then from where can they manage to peep out? They really come and this is the proof that they really do exist and have we ever thought who rears and nurtures them? It is the Mother Nature which does this duty to perfection for the sake of us because it tries to keep us live and healthy. It may decide to choose the other option either. But if it does, then has anybody even ventured to think over that how many unknown or known bacteria, fungus or virus may find an opportunity to attack us that by now are a part of the important food chain of these little worms, maggots, algae, lichens or the sort. We depend on them and it is our duty to keep them live and recuperating. They are our benefactors. We are beneficiaries. A simple law of capitalistic give and take transacting mandates us to keep them surviving. It is simple arithmetic. We cover them with concrete coffins and kill. They in turn will die and stop protecting us. We only will be the losers. No doubt some business houses and corrupt town planners will make their pockets still heftier but even they and their progenies are bound to pay a heavy price for this when a new devastating disease like Corona, Ebola, Nephah or monkey pox will strike another day and plunge the entire mankind into a next round of the darkness of medical emergencies. So it is wiser to respect nature than in indulging to insult or annihilate it.

**A merciless genocide:** For the sake of hollow developmental concept hundreds and thousands of animal species of small worms and creatures dwelling in these just neglected and unnoticeable stretches of bare soil are just massacred and this achievement so vociferously publicized and advocated by the governments and their experts? Has anybody ever conducted a sort of an ecological audit of the bio-life flourishing in these tiny isles of life? Every such piece of bare land is in itself a tiny island of life. It harbors many worms, moths, maggots, butterflies alongside the very crude and natural vegetation also growing with it. It even attracts many birds, sparrows that come in search of some vegetarian or non vegetarian feast. It also attracts certain bees, dragon flies, lizards and toads. We cover these bare linings of soil and in a way we pass the extinction order on all these species. It is a merciless butchering act. You can not decide on the extinction status of species of plants or animals created by nature during millions of years of biological evolution. It is in a way showing disrespect to the great forces of nature that created all this bio-life. The nature will undoubtedly not like this and will become infuriated. It will bounce back and if it decides to do this, there will be nothing on earth in stopping this. We have already witnessed the processes like global warming and highly increased pollution levels in the atmosphere due to lack of proper vegetation in cities and now we are disposing off *en toto* even the little vistas of life that have remained to exist just accidentally because they managed to avoid the sight of our materialistic greed filled eyes. It is definitely hundred percent wiser that we re-examine our strategy in this regard and stop our hasty march on this road to fruitlessness.

**The whole town turns into a mummifying body tape:** In cities that are found in countries like India where maximum urbanization process is the result of unplanned town planning, we frequently talk of unregulated, unlawfully constructed housing colonies but the general administration simply turns a blind eye to all this when it is very much happening and later on also they just do nothing except to issue civic amenity licenses like electric, water and sewerage connections etc. These colonies are in a way regularized. People get ration cards and other citizenry identifications and the life takes a roll on. But one thing is conspicuous in this entire scenario. There are no sufficient public parks, wider roads, streets and lanes etc. The cities are congested to the end that the entire place that should have been allocated for these amenities is over cautiously used to give room to few more residential plots. Even in today's conditions, the majority of these colonies are for poor and low income groups where the usual size of these plots is 30, 40 or 50 square yards. In these tiny dwelling areas it is needless to say that people will leave an inch of soil uncovered. The entire house may be it is single, double or even triple storey; virtually turns into an area covered by concrete sheath. The whole house is in itself a concrete cake. The entire adjoining houses in the colony are together a big concrete cake on one side of the road or street. A similar view is on the other side of road or street. Later on, when a charcoal or cemented road comes to be lain between two such concrete cakes; the entire colony turns into a bigger concrete cake. The only exception remains in the form of two strips of virgin, unused land that are still left on the two sides of the road or street and between the area of the housing boundary and the outer edge of the road. This two or three feet wider strip is also interrupted in areas just in front of the gates of these houses where people also prefer to lay a sheath of concrete or tiles off their own private funds. So, the interrupted longitudinal strips of land on both sides of a street or road are the real homes of raw nature; may be in shambled form. These little niches of earth are like the real hair or sweat pores on human body. They are the connection of the Mother Soil down below to the world outwards. They are in a way the sweat and air conduits. Now, the concept of pucca pavements comes in. This will cover these uncovered areas also just like body taping covers sweat and hair pores and will *de facto* convert the entire colony into a big concrete cake of the size of entire colony and in due course of time, all colonies in the city will turn into similar concrete cakes only demarcated from one another by interconnecting public roads which are also made of cement or charcoal sheaths. When the soil strips along both sides of these roads will also be covered with pucca pavements; the entire city will turn no doubt into a very big, mammoth concrete cake. Good or bad, how it may appear but this is the sad outcome with our governments and corporate lobbies totally infatuated and indulged in a process called pucca pavements. This may be a wonderful money churning machine for corrupt politicians, bureaucrats, executives or private business houses to amass big chunks of public funds but it has certainly landed us in a sad scenario of the existence of body taped mummified concrete cities.

**The environment of a mummified city:** If the ecosystem is a casualty, the environment is bound to be the next one. The overall environment is the sum total of the ecosystems and niches that do exist on the most beautiful planet called Mother Earth. Every single earthworm, every single moth, every single butterfly, every single shrub or herb and every single alga, fungus or lichen do matter when the overall ecosystem is ascertained in a locality or area. If we bulldoze on these smaller forms of life, then the nature will recoil on us in the form of damage to the environment in which we breathe. These little forms of vegetative life provide us with the so needed life fuel called oxygen and purify the air which keeps us alive. The smaller forms of kingdom animalia provide us with a *fauna* that also cleans the air of the harmful bacteria, virus or other microbes about which we still have no knowledge as to how they exist or operate? The environment is the sum total of all the outcomes of these activities plus the presence of chemical or poison levels in the soil, water and air. So, a disturbance of any type happens in any of these factors, the resultant outcome is bound to be hazardous. A caution note has always to be observed while undertaking any activity regarding this.

**The ground water is the first casualty:** These days ground water and the continuously falling levels of it are one of the most talked about environmental concerns. It is not a rocket science to know where the ground water comes from. Everybody knows that it comes from the rain water which absorbs to down under the earth and accumulates therein in the form of ground water. This has become very important in today's date when we pull it out to meet our drinking, washing and countless other needs. Water is the most important criteria for existence of life; so, in a way we drain life out from the underneath. This process is continuing from many years in a stretch. The ground water is recharged in the form of rains that do come as a result of a bigger ecosystem that stretches across continents, seas and mountains. If the amount of this recharged water is in excess to the amount of water drained, then the ground water does not recede and is not a casualty but the situation is on the otherwise when the amount of this water recharged is less in quantity to the amount of it drained outside. And this is exactly what is happening in most of the cities in large number of countries. The absorption process of water down under the crest of soil is directly proportional to the area of soil that is left uncovered above side from the forces of concrete that this animal called man has lain over the soil strata. This is simple science. When the uncovered pure soil becomes critically less, the amount of water that gets absorbed to down under also gets critically low and the little strips of virgin, uncovered land just outside our doorsteps are exactly those strips that are conduits for the rain water to be absorbed to down under. If we plug these little points for absorption in the form of pucca pavements, we in a way plug the points for recharging of ground water too. So, in a way, man has become a force to stop the process of the recharging of ground water that is most needed criteria for his survival. This is classical example of a process of foolhardy self destruction. A critical study of the ground water depletion with concrete streets for the 'Smart City Project' in Pune was undertaken (Basudkar, 2019). It was found to the horror of it that concrete streets are a very big obstacle in the ground water recharging. A proposal for erection of water pits to minimize this effect was mooted but it could not be implemented due to various practical hurdles of routine nature. The smart city project coupled with city beautification drive is a new fascination with the town planners of India and with time to come much of the nittie gritties associated with this are bound to emerge but it certainly has negative effect on the ground water recharging and ground water is one of the amenities that keep the life bustling in a modern city. There are suggestions that porous pavements may be an answer (Erin, 2012) but certainly ridden with limitations The Pune experience has definitely many lessons to be learnt for all of us concerned with the upkeep of clean and amicable environments in the times of progressively deteriorating global climates.

**The underground water is necessary for the soil barometry:** Apart from sustaining life, the other factor that should also be considered is that water under the earth crust is also much needed for maintaining normal soil barometry. The presence of water down under also keeps the amount of soil pressure to its optimum levels for the healthier environment of the co-existence of various earth crusts and matter therein. If the water is ruthlessly drained out from there and those soil crusts become dry, this natural barometry becomes disturbed and who knows that a process like this on a very big scale may pave way for some mechanism like an earthquake? So, nature ought to be respected and not disturbed.

**Humans need nature and greenery:** Man is by nature, nature lover and fond of greenery. But human greed on the other hand is the most ruthless enemy of it. There are countless stories in human fiction and history of the love of man for nature but sadly enough, there are also lot many tales of the greed of man and the destruction of nature in this process. The corporate houses are famous for their greed for profit and a nexus of corporates, politicians and bureaucrats and as a thing of new happening; of the technocrats have become very dangerous for the balance of nature to be sustained. So, it becomes the prime most duty of all of us to make efforts to keep the forces of nature alive and thriving, otherwise we will be very ill-placed to face our future generations when they confront us on this crucial question.

**The natural shrubs are tiny oxygen factories:** The plants generate oxygen in the environment; is a well known phenomenon. So, as a result of this, the small shrubs, herbs, algae and bryophytes also produce oxygen just outside the gates of our houses and provide us with the most needed substance of life. The cities are known for their suffocating air less in oxygen and high in chemical and vehicular pollution. So, these tiny niches of life in the form of uncovered soil strips are in a way the natural boon for us to provide us with the good and clean environment.

**Parks and greenery already missing:** Of course, there are agencies for urbanization and urban development in various countries of the world but in countries like India in Tier II and Tier III cities, the urbanization on an overwhelmingly bigger scale is the result of a process of unplanned and very defectively executed colonization. The unplanned, unregistered and unlawful urban colonies just sprout up as a rule on the outskirts of cities and the entire administration just turns a blind eye to all this till the date of the issuance of regularization certificates to these colonies and house registration, electrification and issuance of citizenry cards are done in there. The parks, green belts, wider streets, roads, by lanes; everything is conspicuous in these colonies by its sheer absence. So, greenery and forces of nature are already missing in these cities and colonies.

**Body pores and body taping:** There are countless hair follicles and body pores on a human body. In fact they are present on almost all living organisms in one form or the other. They are biological structures to keep intact many of the biological activities. They may be points to exude certain materials from the body or to act bridges of contact of the body and the environment outside. They may also play a role in keeping our bodies suitably cooled and adopted etc. Suppose one fine day we cover these tiny pores with plastic tapes for ever. Can anybody imagine what happens next? We will not be able to survive. How? There may be hundred ways to describe but the answer is that it will not be possible for us to survive after that. Can the Mother Earth survive if its entire body is taped with concrete cover all over? This is in fact, exactly the process that we are undertaking with the laying of these pucca pavements. We are pulling concrete plugging on the last niches of life in our cities. We are in a way body taping the Mother Nature. This is a very dangerous happening. The Mother Nature will stop living and if this happens it is sure to pronounce that we all will also cease living the very same day. The process may take a little longer also as the Mother Nature is very benign, caring and loving and it will try to keep us alive by some other way but we on our side will be just signing our death warrants ourselves only.

**Public funds are not a theft:** Public funds are not a heap of money meant to be stolen or robbed from people but they are the hard earnings of people collected by the agency of taxes. The government is either not a gang of bandits. The public funds are not a wealth to be laundered. It should be dispensed for purposes aimed at the betterment of masses. This is the reason that corruption in government bodies is not tolerated at least in theory. These funds should be directly targeted and invested for projects of long or short term benefits to the people or in improving the system of the ultimate welfare in matters of administration, transparency and smooth functioning of the government. This is an ideal situation. It usually exists on the reverse side in actual practice. The corrupt politicians, bureaucrats, corporates and newly admitted clan of technocrats connive with one another to amass these funds for their vested interests. The government should tend to behave in the direction of the welfare of the people but it actually does not. It actually acts to loot the people. The term "public welfare" has turned out to be the biggest scandal on earth due to this mafide behavior of the governments. The projects are conceived with the ultimate motive of favoring certain private business houses and extract as much of public funds as possible from all this exercise. The project is projected to be favoring the people and nation and creating an environment of the general well being and betterment of masses and their living conditions but actually it is deceitfully designed to benefit a few private companies, bureaucrats, technocrats and politicians. It usually turns out in the form of a sort of excessive over development. Such

projects are designed and executed which are simply of a cosmetic value and their actual contribution to public development is almost negligible. A lot of super highways, over bridges, unnecessary parks, pavements, beautification drives, routine demolition and reconstruction of roads, streets etc are all part of such activities. A lot of concrete debris is created this way. It is a well known fact that the life span of a concrete structure is nearly hundred years; then anybody can well imagine that after the expiry of such a time period, where on earth there will be a space enough to dispose such heavy concrete debris off? Pucca pavements are such an act of excessive, unwanted, overdevelopment. They are in fact an encroachment on the natural life forms on our doorsteps much needed for our biological wellbeing plus they are an invasion on the sanctity of Mother Earth and her power to breathe, absorb and survive. We can do very well without this sheer wastage of public funds and it should be stopped at once.

**A self destructive methodology:** Anything done against nature surely attracts the wrath of natural forces. It was once pronounced by great Mahatma Gandhi that this world has enough for everybody's needs but it certainly has not enough to meet a single person's greed. We all can flourish well on this most beautiful planet for ever and ever if this unbridled greed of few selected corporates, politicians, bureaucrats and technocrats is properly curtailed. Otherwise, man is well on a road to self destruction and this blind road to nowhere should immediately be blocked firmly otherwise the mankind will sure pay a very high price for this.

**Pucca pavements block the respiratory ducts for nature:** There are animals like vertebrates which respire with the lungs, nostrils etc and there are animals like insects which have a system of open respiratory ducts for this. These small strips of bare virgin land alongside the roads and streets are in a way like these respiratory ducts of Mother Earth. Not only respiratory ducts but they are also the nutritional ducts as they intake a lot of rain water inwards. The Mother Earth reacts, interacts and communicates with the outside environment with these tiny stretches of bare, virgin soil. This becomes all the more important in the larger scenario of unplanned, uncontrolled colonies that sprout like a bunch of mushrooms anywhere in areas around the big cities in modern day India and similar other countries. Pucca pavements will surely plug these tiny points of essence of life and let a very large tract of land called a mega city to slowly die a natural death by converting it into a mammoth body taped concrete cake devoid of any possibility of healthy life form, leave alone the healthy human life. Such an act deserves to be put an end to.

**Nature on our doorsteps:** Let us make a little room for nature on our doorsteps. Nature comes to meet us in the form of these little bare strips of pure virgin land just outside the outer side of our house gates. Let's not shoo it away and shut our gates for it. This is the nature that created us in a way of a master craftsmanship and if the master artist becomes angry, then no force on earth will be competent enough to come and rescue us from what we call the onslaught of the forces of nature. God forbids if that day becomes a reality. So, it is high time that we awaken to the most important need of the hour and welcome nature in the form of these little strips of life just outside our doorsteps.

**Ecological poisoning and natural emergency:** Maximum cities in countries like India, Pakistan and Bangladesh have already reached a state of natural emergency. The green area has considerably decreased in these cities. This is like an ecological poisoning. The natural land is polluted with poison of concrete. We do not have enough greenery left for our healthy air with sufficient levels of oxygen in it. We do not have enough natural land for absorption of rain water to support under soil fauna and flora and also keep the water turbidity levels to normal viscosity and barometry. This is no doubt a state of natural emergency. We can not move an inch beyond this road to nowhere otherwise we will certainly go down hurling into the depths of destruction. This is high time to put a stop signal otherwise the result is more than obvious.

**Preserve the green to concrete ratio:** A small example can be quoted here. The road broadening work in Ludhiana city in India is being undertaken on a war scale. A special mention to this end is the so called developmental work going on between an area of Jagraon Bridge and Bharat Nagar Chowk. This work continues to the entire stretch of the Ferozepur Road in the city from this point of Bharat Nagar Chowk onwards. A visible stretch of trees; some of them were more than hundred years old, were felled mercilessly and removed. Even the grass belt in this tree area has also been done away with due to this callous and un-needful act. Only God knows which government department has issued environmental clearance to them or which agency has been hired by the government to arrange for assessing the environmental damage in this process and which parameters they have employed to undertake this calculation? But the environmental damage is just obvious. Nobody can deny this. Who on earth will undo the impact of this man made calamity? This is the time that we confront our conscience and spare a few moments to ask ourselves that is this not the time to stop this ecological bulldozing at least beyond this already worsened limit of damage to natural coexistence of ecosystems? We should pledge strongly to maintain the present green to concrete area ratio, if not better then at least at the level of the present values.

**Let the earth breathe:** "Let the Earth Breathe", should be the slogan of life. It is certainly going to be an agitation in itself in the very immediate future. The people have to acknowledge it and force their respective governments to chalk out such plans, policies, projects etc which tend to cater to the real betterment of people and not go for the laundering and wastage of public money that should have been invested on other projects and schemes centered on the benefit of masses. The materials used to block the very existence of the niche of nature in an area called big city should be properly utilized to create a tandem of balance and harmony with the forces of nature. There should be proper areas of natural life forms in the shape of the bare virgin strips of land like parks, uncovered grass lanes, tree plantations and gardening areas in proportionately bigger tracts of natural soil left untouched by the disease of concrete laying. The Earth should breathe. Only then humans can breathe freely and breathe abundantly. In every house there should be a given area say ten percent of a residential plot that should be stopped from being covered with concrete flooring or roof. Similar rule can also be applied if not to commercial shops but at least to the industrial units where a minimum of at least twenty percent area should be reserved for this purpose and this can be increased to thirty or even forty percent in case of big industries.

Alongside roads and streets also the amount of uncovered bare area should be ascertained. We should create a healthy living environment for the presence of vibrant natural life on this planet earth and this is the only methodology for the ultimate and sound survival of the species called "*Homo sapiens septens*".

## CONCLUSION

Survival is the most important term in dictionary of life. Human lust and greed should not become driving forces of life. They should be bridled well in time and proportion to stop their indulgence in the process of survival of natural life. Unwanted and superfluous development like pucca pavements should be stopped immediately. Not only small strips of virgin land alongside our streets, roads etc should be saved from unnecessary concretization but also increasingly more areas should be reserved for public parks, ponds, green strips and by lanes etc. We are a living entity and we need life forms all around us. This will save us not only from the forces of hostile climates and polluted environments but they will also provide us with a biological culture of freedom from deadly pathogens. So, the stakes are very high and outcomes very lucrative. Therefore, let us all converge our heads together and stop unwanted developments like pucca pavements altogether and opt for a cleaner, natural system of life for a pure biological coexistence.

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