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ASSESS THE KNOWLEDGE AND PERCEPTION OF COMMUNITY PEOPLE REGARDING AIR POLLUTION AND ITS EFFECT ON HUMAN HEALTH

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Abstract

Background: Air contamination is a combination of compacted elements also smokes in the atmosphere. Compartment radiations, substances from industrial unit, dirt, pollen as well as fungus microorganisms may exist deferred as elements. Smoke is a main portion of air contamination in municipalities. While ozone procedures air contamination, it's well-known as pollution. **Objective:** To assess the knowledge regarding air pollution and its effect on human health among people in the community of Lahore. **Study design** will be used for this study to identify the knowledge regarding air pollution and its effect on human health. (Fox, W. &Bayat, M.S. 2007)

Study Site: The site is the overall location for the research. It could be an entire community, entire setup. The study site will be a community of Lahore and all occupational people.

Material and methods: A cross sectional descriptive method was used to assess the knowledge and perception of community people regarding air pollution and its effect on human health for this study. It is the easiest and the most convenient method way of recruiting the sources of the primary data for research. Target population is the community people and all occupational people in the community of Lahore. The total study population is 240 community people approximately.

Result: the participants age in this study was 25-30(n=104)43.3%, age group of 31-35(=96)40.0%, and age group of 3640(n=40)16.7% who participate at the end of the study. The knowledge about quality of air 60% people said the quality of air polluted and 40% said its quality is fresh. 66.7% people believed proper sanitary system may reduce the air pollution and 33.3% said proper sanitary system may not reduce the air pollution.

Conclusion: Totally alive creatures are necessary fresh air for care their existence also fitness and a common matured being compulsory approximately 15 kg fresh air each daytime. Outstanding to anthropogenic accomplishments, the stability of the ecology is troubled also generated a lot of difficulties alike air contamination and is a significant risk to developing also below established nations happening completely the ecosphere.

Key words: air pollution, human health, asthma, smoke, smog

INTRODUCTION

Air contamination is a combination of compacted elements also smokes in the atmosphere. Compartment radiations, substances from industrial unit, dirt, pollen as well as fungus microorganisms may exist deferred as elements. Smoke is a main portion of air contamination in municipalities. While ozone procedures air contamination, it's well-known as pollution.

An increasing proportion of the worldwide population living in residential districts has shaped countless compressions happening native surroundings also improved air contamination. Air contamination is mentions such as some biological, somatic and biotic influences which are familiarized through social actions that disturb the ordinary landscapes of the air. The manufacturing, vehicles, control group, mechanical transportation, scorching of thick oils used for cooking, sweltering vestiges petroleum in brick kiln manufacturing, burning of community unused responsively, reheating, tobacco burning, substantial for industrial of equipment, mats, air conditioners, home washing also pesticides are key influences of manufactured foundations the climate contamination. (Zell et al, 2010).

Smog may persuade equally dangerous also ongoing well-being significances due to extraordinary attention of contaminants resembling Carbon monoxide, hydrocarbons, oxides of nitrogen, sulfur oxides and airborne particles. One out of eight expiries has occurred at present because of universal air pollution. (WHO. 2014).

Climate contamination remains documented to inform the world temperature variants. There are dissimilar methods the climate contaminates for example glasshouse vapors, amongst them, CO2 which remains utmost important as well as donated 60% entire greenhouse approximately gases release.(Khan et al.2011). Due to anthropogenic actions, augmentation of CO2 finished automobiles tiredness which tricks temperature vigor as of the sunshine happening in the air; release of contaminants after control making plant life which burn of vestige petrol such as petroleum then several industrial plants, consequently causative weather modifications and worldwide heating. After periods, the equal of CO2 in the climate stayed among 200 and 300 parts per million as well as currently adjacent to 400 parts per million, and the attentiveness is so far cumulative (EPA 2011).

Uncertainty material could not be honestly observed then touched graciously nowadays, worldwide heating also temperature dissimilarities are likely additional to transpire in approaching periods. Worldwide heating/temperature variations might reason numerous well-being dangers, similar greatest temperature, dearth, dispersal of vector-borne illnesses, allergens, very insufficient air inferiority that might reason several respirational illnesses. opposite ecological experiments Pakistan is comparable to numerous further nations in the biosphere. The expansion in the industrial regions donates success, while the smog, contaminant substance and the wastes caused by detrimental significance the atmosphere due to upsurges. China consumes initiated financial growth used for wealth above numerous segments like dissolute industrial development which abruptly augmented the ecological contamination, particularly air contamination. The impurity gradation equal in Beijing as well as Shanghai remained a tremor for the China. (Wang et al. 2015).

The example given by Pakistan is similar, everywhere debauched inhabitant's development degree, development, economic growth and vigor mandate has shaped plain doubts of ecological deficiency. The postponed particulate substance attentions in the climate remain 2 to 3.5 periods better instead of the inoffensive border within main municipalities. Also, non-implementing of accurate instructions about automobile suitability through the anxious establishments, the equal of air contamination has augmented that might be sign of upsetting. The normal exists of mechanical automobiles are rather extended which donate to substantial air contamination due to consuming their week machines which produces enormous smoke. Furthermore, Because of incompetence in burning fuel, motorcycles and rickshaws consuming two hit instruments lead to dangerous output (GOP 2014-15). ENN (2002) reported that in Pakistani municipalities,

Islamabad, Faisalabad, and Lahore as well as Karachi are major pollutants the production Gas and lead from cars. The worsening climate condition popular municipalities can be supposed as an indication of warning Owing to consuming contaminant material 10% presently; Karachi, Quetta, and Lahore also Peshawar remained acknowledged between contaminated metropolises popular Asia soothing through Biosphere Health Organization. Likewise, popular large metropolises, automobiles cleared twenty times better the capacity Centered on hydrocarbons, twenty five periods better form of CO also 3.6 periods larger capacity of N2O equally associated toward United States.

That is the measured through specialists vehicles releases tainted city climate superiority on or after 60% to 70% in Pakistani metropolises. The entire listed motorized vans in 2000 remained 4.70 million though in 2015 it remained augmented up-to 17.32 million.

Pollution remains famous thoughtful by climate contamination which produced by result of sunshine to motorized cars use. During season, contaminants in the air reduces the inferior heights since the late precipitation also emotionless and uninterruptedly dehydrated climate state shaped pollution that feast through the Punjab area.

Most of manufacturing also transportation segment usage of low value petrol enhanced the air contamination. Burning of waste materials in the cities has also main cause the climate contamination. The community transport has past method that is correspondingly a major source of climate contamination. Contaminated climate retains contaminants identical contaminant substance, substantial metals, CO, SO2, NO, C6H6, Ozone as

well as hydrocarbons which remain hazardous to anthropological well-being. All the metals are the major source to cause illnesses similar to painful esophagus, bronchial asthma, cough, tumor as well as several new breathing complaints. Promptly increasing inhabitants as well as trade and industry development in the DGK metropolitan is a main reason to proliferation the automobiles proportion, which remain repeatedly causal smoke and poisonous airs in the atmosphere and shaped numerous fitness problems for the inhabitants. The types of mechanical automobiles are present, motorized series, rickshaws also four wheelers. These vehicles are also the major sources of air pollution.

Significance

The study will enhance the knowledge of people about climate contamination and its consequence on human's well-being in the community people. Moreover, the study will help the people to overcome their weakness and boost up the strong point, as a result quality of human's health will be improved. The results will be shared to the institutional authorities that help them to modify the new standards and policies. Better quality of people knowledge about climate contamination and its effect on human health will lead to enhance the organizational productivity as well as to generate the knowledge or information for the others.

Purpose of the study: Is to explore knowledge and human health in the community of Lahore, Pakistan.

Literature review: Ozone, a smoke, is a main portion of air contamination in metropolises. While ozone procedures air contamination, it's well-known as pollution. Particular air contaminants remain toxic. Gasping them can intensification the accidental you'll must fitness difficulties. There is a higher risk of climate contamination for individuals by cardiac and respiratory illness, elder or youngsters. The climate contamination is not fair outdoor, the climate inside structures dismiss too remain contaminated as well as interrupt your well-being. In 2013 individual saving accounts document, United States environmental protection agency accomplishes that remains expected to remain a causative connection among immediate ozone disclosures and death, and the indication connecting enduring ozone experience with death is indicative a causative connection.

United States environmental protection agency founded its results for immediate death special properties to the accumulation of a quantity of cities revisions and municipality's revisions the dishonorable works which before recommended temporary result. Current revisions originate reliable, positive relationships of temporary atmosphere contact through together entire also origin exact expiry, characteristically viewing resilient effects in the warm period.

Suggestions among long-standing ozone disclosure also transience is less decisive at this period; consequences for circulatory death are varied and indication of a connection to total death is incomplete. The strongest indication for lasting disclosure to ozone is for a connection to respirational death. Varied results and incomplete database led environmental protection agency to categorize the indication connecting long-term contact to mortality ozone as only indicative of a association. results connecting The mainly reverberate with the conclusions 2008 segment of the National Academy of Sciences researching the ozone relationship. National academy of science board found the collection of cities time sequence

educations and met analyses showed in the initial 2000s providing "healthy geometric indication of a connotation", important them to accomplish that temporary ozone experience "is probable to donate to early expiries" (NAS, 2008). They similarly designated that the indication may not nourishment demonstrating of a verge for these influences. Network attached storage minutes latent anxiety over confusing of ozone-death connotation with PM, but minutes that the too ozone associations demonstration substantial difference place to place. Consequently, the calculation of some grade of confusing is distant after up-front also can differ spatially. A reanalysis of countrywide illness, death or climate contamination revision statistics to 98 city populations by Bell et al. (2007) originate no indication that PM10 and PM2.5 muddles the association. temporary ozone although an examination for 18 United State societies through Franklin and Schwartz in 2008 presented certain perplexing of this association through SO4 (-2) elements, that remain mainly included subordinate contamination shaped within climate, similar atmosphere.

Considering low levels of SO4(-2)elements within South Coast revision region, both researches indicate the 2016 Socioeconomic Estimate might be appropriate to determine the independent mortality i mpact of ozone, at least on shortterm deaths. The 200 8 Environmental protection agency ISA Nitrogen oxi des paper concluded that the evidence relating shortte rm NO2 to overall nonaccidental and cardiovascular deaths was "indicative but not adequate" to conclude a causal association. Although theunitedstate environ mentalprotectionagency originate the revisions comm only documented optimistic relations, slight evidence

was found by the EPA to assess the accuracy or acceptability the results, particularly assumed the pro blems of serious effects of NO2, that donates NO3 he lping to PM, from the effects of the total mass of PM. The evidence supporting a longterm exposure mortali ty association was found "insufficient conclude the a ttendance or lack of a causal relationship" due to cont radictory findings in UnitedState and European cohor t researches or copollutat confounding problems betw een NO2 and PM. The findings for SO2 are close to th ose for NO2; forallcause and cardiopulmonary mortal ity, EPA found consistently positive associations with SO2, though the consequences existed not healthy in pollutant replicas. Therefore, graded the evidence as merely evocative of a fundamental connection betwe en temporary exposures to SO2 and Mortality. Owing to the a lack of continuity or complexity in research and

resolving confusing by copollutants, they considered evidence for associations between longterm SO2 exp osure and mortality to be less convincing, and therefo re graded the evidence as' insufficient to suggest a ca usal relationship.'26 research that published answers aimedat the metropolitan of Los Angeles, completely portion of California, or the United States as a whole , including western U.S. cities, discussing ozone expo sure and mortality in adults.

In Doña Ana County, New Mexico, Rodopoulou et al. (2014) studied respiratory and cardiovascular HA and ED visits associated with PM10, PM2.5, and O3 in adults (18 years or older). Exposure data came from three research area control stations.

The thesis monitored for sex, age, and gender. The mean maximum O3 for 8 hours was 43.2 parts per billion by volume. However, substantial associations with a 10ppv rise in maximum O3 on the previous day were not identified in the report. In fact, the

researchers state that the cause of much of the emissions in this region is windblown dust and fires. This study will make these air pollution sources less transferable to other areas of the world. In a casecrossover analysis of over 11,000 children aged 0-18 years in Orange County. examined asthma-related hospital experiences. That study evaluated exposures to PM2.5, UFP, NOX, and CO at lags of 1, 3, 5, and 7 days. In the warm season, the mean NO2 concentrations were 26.6 ppb and in the cool season, 16.1 ppb. With these health endpoints, NO2 and NOX were significantly correlated only with 5- and 7-day lags. There is less evidence of the biological plausibility of longer lead times for acute air pollution effects. Delamater et al. (2012) is a Los Angeles County ecological survey of asthma hospitalized patients. To determine the average daily hospital by month, they used data from OSHPD and interpolated annual state population data. The study showed that a one percent improvement in the total monthly NO2 was correlated with a rise in hospital admissions of 0.37 percent (95 percent critical interval=0.22, 0.52).

In modified and co-pollutant models, both databases had inverse correlations between O3 and septal heart defects as well as a positive correlation between O3 and craniosynostosis. No other studies have published on the relationship between O3 concentrations craniosynostosis, their and to knowledge.

There have been numerous studies investigating the relation between the concentration of O3 and different heart defects. To fully understand the correlations, more research needs to be done.

Methodology

Study design: A quantitative descriptive cross sectional study design was used for this study to identify the knowledge regarding air pollution and its effect on human health. Study Setting: study was conducted at the rural community of Lahore Pakistan. Sample size: The population for this study was selected from the people of the rural community of Lahore. The target population was 240 participants. Study population: Target population is the community people and all occupational people in the community of Lahore. Research tool: As wellstructured questioner with close ended, Likert scale adopted to assess the knowledge of the community people about air pollution and its effect on human health. Questionnaire consisted of two parts the first part explain the consent form and demographic data of the people in which name, Age, place of residence , occupation educational level and other part of questionnaire will clarify the questions. Ethical Consideration: All information of the participants had been protected by confidentiality. Permission was taken from the community and consent form was signed before collecting the data from the participants. Time Framework: This study will take approximately 3-4 month, from September 2020 to January 2021.

Results: This section represents the outcomes of the study.

Socio-Demographics: participants age in this study was 25-30(n=104)43.3%, age group of 31-35(=96)40.0%, and age group of 3640(n=40)16.7% who participate at the end of the study.

Table#1 Demographic Data:			
S# Question	Response	∫ (100%)	Mean±S.D
1 Age	25-30 years	104(43.3)	
	31- 35years	96(40.0)	
	36-40years	40(16.0)	
	Total	240(100.0)	1.73±.729
2 Sex	male	120(50.0)	
	Female	120(50.0)	
	Total	240(100.0)	$1.50 \pm .501$
3 Household location	Rural	120(50.0)	
	Urban	120(50.0)	
	Total	240(100.0)	1.50±.501
4 Marital statuses	Married	96(40.0)	
	Single	96(40.0)	
	Divorced	48(20.0)	
	Total	240(100.0)	$1.80 \pm .750$
5 Education	illiterate	24(10.0)	
	Primary	40(16.7)	
	Middle	72(30.0)	
	Matric	64(26.7)	
	Secondary	40(16.7)	
	Total	240(100.0)	2.73±1.212
6 Occupation	Govt. jobs	80(33.3)	
	Pvt .job	80(33.3)	
	Business	80(33.3)	
	Total	240(100.0)	$2.00 \pm .818$
7 Monthly incomes	10000-15000	56(23.3)	
	16000-20000	96(40.0)	
	21000-30000	64(26.7)	
	31000above	24(10.0)	
	Total	240(100.0)	2.23±.921

Table#1 shows that the participants age in this study was 25-30(n=104)43.3%, age group of 31-35(=96)40.0%, and age group of 3640(n=40)16.7% who participate at the end of the study. 50% male and 50% female were the participants in this study. The participants of the community (n=120)50% belongs to rural area and other occupational (n=120)50% were urban in this study. Participants in this study (n=96)40% (n=96)40% were married, were unmarried and (n=48) were divorced who was occupational and living in the community. the participants education (n=24)10.0% were illiterate, (n=40)16.7% were educated to primary level, (n=72)30.0% were middle pass, (n=64)26.7% were matric pass and (n=40)16.7% was educated to secondary level. Occupation of the people who was the participants in this study (n=80)33.3% persons were serving to Government job, (n=0)33.3% was in the private setup and (n=80)33.3% was that persons who have had their own business. The participants income who were living in the community or other

20000, (n=64)26.7% was 21000-30000 and (n=24)10% was receiving 31000& above.

15000 thousand per month, (n=96)40% was 16000-

Table#2 Perception of respondents regarding air quality and satisfaction about air pollution is harmful for

human health

S# Question	Response	∫ (100%)	Mean±S.D
8 what is the air quality in your community?			
	Polluted	144(60.0)	
	Fresh	96(40.0)	
	Total	240(100.0)	$1.40 \pm .491$
9 is the air pollution harmful too human health?			
	Yes	136(56.7)	
	No	104(43.3)	
	Total	240(100.0)	1.43±.497

Table#2 shows that the perception about quality ofair 60% people said the quality of air polluted and40% said its quality is fresh. The perception about air

pollution harmful to human health 56.7% said its harmful to human health and 43.3% said it's not harmful to health.

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S# Question	Response	∫ (100%)	Mean±S.D
10 Traffic can cause air pollution?	Yes	120(50.0)	
	No	120(50.0)	
	Total	240(100.0)	1.50±.501
11 Industries can cause air pollution?	Yes	136(56.7)	
	No	104(43.3)	
	Total	240(100.0)	1.43±.497
12 burning of coal can cause air pollution?			
	Yes	168(70.0)	
	No	72(30.0)	
	Total	240(100.0)	1.30±.459
13 smoke can cause air pollution?	Yes	136(56.7)	
	No	104(43.3)	
	Total	240(100.0)	1.43±.497
14 dusts can cause air pollution?	Yes	80(33.3)	
	No	160(66.7)	
	Total	240(100.0)	1.67±.472

Table#3 shows 50% participants said that traffic may cause air pollution while other 50% said traffic could not cause air pollution. 56.7% people said industries may cause air pollution and 43.3% said industries may not cause air pollution. Almost 70%

people knows about the burning of coal is a major source of air pollution and 30% said that it may not cause the air pollution. The opinion of the participants that smoke may cause air pollution or not 56.7% said that smoke may effect to air and the

not cause air pollution.

Table#4 Respondents' opinion regarding diseases caused by air pollution

	-	C.	
S# Question	Response	J (100%)	Mean±S.D
15 open air wastage can cause air pollution?			
	Yes	128(53.3)	
	No	112(46.7)	
	Total	240(100.0)	1.47±.500
16 Air pollution can cause asthma?	Yes	144(60.0)	
	No	96(40.0)	
	Total	240(100.0)	1.40±.491
17 Air pollution can cause allergy?	Yes	120(50.0)	
	No	120(50.0)	
	Total	240(100.0)	$1.50 \pm .501$
18 Air pollution can cause sore throat?	Yes	112(46.7)	
	No	128(53.3)	
	Total	240(100.0)	1.53±.500
19 Air pollution can cause cancer?	Yes	136(56.7)	
	No	104(43.3)	
	Total	240(100.0)	1.43±.497

Table#4 shows that 53.3% participants agreed aboutopen air wastage can cause air pollution and 46.7%people said open air wastage may not cause airpollution. 60% people said that major problem ofasthma may be air pollution and 40% said asthmamay not be due to air pollution.50% people said the reason of allergy may be air

Table#5 Perception of respondents regarding tocontrol of air pollution

S# Question 20 improve road can overcome the air pollution?	Response	∫ (100%)	Mean±S.D
	Yes	136(56.7)	
	No	104(43.3)	
	Total	240(100.0)	$1.43 \pm .497$
21 use of high quality oil can overcome the air pollution?			
	Yes	112(46.7)	
	No	128(53.3)	
	Total	240(100.0)	1.53±.500
22 proper disposing material systems can reduce the air pollution?			
	Yes	128(53.3)	
	No	112(46.7)	
	Total	240(100.0)	$1.47 \pm .500$
23 proper sanitary systems can			

pollution and other 50% said it's not the reason of allergy. 46.7% people said that major reason of sore throat may be air pollution and other 53.3% said air pollution may not the reason of sore throat. 56.7% agreed that cancer may be the reason of air pollution and minority of people 43.3% said cancer may not be the reason of air pollution.

reduce the air pollution?			
	Yes	160(66.7)	
	No	80(33.3)	
	Total	240(100.0)	1.33±.472
24 greenery/ plantation can improve the quality of air?			
	Yes	125(52.1)	
	No	115(47.9)	
	Total	240(100.0)	$1.48 \pm .501$

Table#5 shows that the perception of people about how to overcome the air pollution, 56.7% people said improve road may over the air pollution and 43.3% people said roads may not the reason of air pollution. 46.7% participants said by using high quality of oil then the chances of air pollution will be low and other 53.3% saying that it's not the reason of air pollution. 53.3% people said proper disposing material systems may reduce the air pollution and 46.7% people said it's not the reason of the air pollution.

66.7% people believed proper sanitary system may reduce the air pollution and 33.3% said proper sanitary system may not reduce the air pollution. 52.1% people believed that greenery/plantation may improve the quality of air and 47.9% said plantation may not increase the quality of air. **Discussion**

Totally alive creatures are necessary fresh air for care their existence also fitness and a common matured being compulsory approximately 15 kg fresh air each daytime (day and night) (environmental protection unit 2009). Oxygen remains vital component used for the life of entirely alive creatures on this world superficial. Outstanding to anthropogenic accomplishments, the stability of the ecology is troubled also generated a lot of difficulties alike air contamination and is a significant risk to developing also below established nations happening completely the ecosphere. Growing of urban population also increase of scale of motor-powered automobiles/ street transportation in towns which produced substantial air contamination that is a severe threaten to social well-being and contiguous atmosphere (WHO 2014). 50% male and 50% female were the participants in this study. The toxins that current in the air create several types of social well-being difficulties through breathe in dangerous contaminants which are causes of several illnesses. In this study, the knowledge about quality of air 60% people said the quality of air polluted and 40% said its quality is fresh. Air pollution formed mutually quickly also extends special effects on well-being problems. In this study, that 60% people said that major problem of asthma may be air pollution and 40% said asthma may not be due to air pollution. 46.7% people said that major reason of sore throat may be air pollution and other 53.3% said air pollution may not the reason of sore throat. 56.7% agreed that cancer may be the reason of air pollution and minority of people 43.3% said cancer may not be the reason of air pollution. The rapid react pretentious the breathing structure that caused severe bronchitis although the extend special effects affected the respiratory asthma, prolonged bronchitis, breathing reactions also lung malignancy. In previous revision, common of the defendants (60.8%) apparent that air excellence happening Dera Ghazi Khan Urban is contaminated also 45% responder's confidant that air contamination remained harmful to social fitness. In this study consequences remained slightly in conflict through who stated that 37% participants observed that air superiority of Bahawalpur Urban remained deprived. Correspondingly, observed that around 70% defendants apparent that the air excellence of the Gujrat Urban remained deprived. Comparable results remained too stated through Munazza (2016) who specified that approximately 38% defendants apparent that open-air contamination remained painstaking such as extraordinary fitness dangers in Bahawalpur Municipal. The results in this study existed correspondingly decided by who stated that open-air contamination remained a undeveloped risk to social well-being. Fresh air is supposed to remain a vital component used for supporting social fitness The also safety. cardiac, respirational cardiopulmonary as well as coronary illnesses remained affected through mutually inside and openair contamination that distresses the publics. Topmost contamination equal dismiss persuade meaningfully elevated the expiry proportions (Nawrot et al. 2006). In the current revision, 53.3% people said proper disposing material systems may reduce the air pollution and 46.7% people said it's not the reason of the air pollution. .7% proper sanitary system may reduce the air pollution and 33.3% said proper sanitary system may not reduce the air pollution. 52.1% people believed that greenery/plantation may improve the quality of air and 47.9% said plantation may not increase the quality of air. Limitations:

This study was conducted in a very short period of time in a community and the occupational people. Many difficulties faced in data collection. Most people refused to participate in the study.

Conclusion:

Totally alive creatures are necessary fresh air for care their existence also fitness and a common matured being compulsory approximately 15 kg fresh air each daytime. Outstanding to anthropogenic accomplishments, the stability of the ecology is troubled also generated a lot of difficulties alike air contamination and is a significant risk to developing also below established nations happening completely the ecosphere. Air pollution generates different compassionate of illness like respirational toxicities. In this current revision, participants observed that appropriate repairs of transportations, used to outstanding quality of petrol, appropriate positioning too hygienic arrangement, agricultural estate and growth of greenery may switch air contamination. Greenery is an important part in decreasing the air toxins as of the ecosphere for the reason that plants decreases the wicked properties of smog. 52.1% people believed that greenery/plantation may improve the quality of air and 47.9% said plantation may not increase the quality of air.

Recommendations

The air pollution problems disturb each person; consequently that one remains the same accountability of community as well as sequestered governments for refining the worth of air in the town. At the present time the electric mass media is an important resource to produce consciousness on air contamination ecological problems that produced wellbeing dangers. They might as well accomplish about the welfares of bodily actions alike outdoor as well as cycling, slightly misuse of cars which remain dangerous to atmosphere (Katpar et al. 2016). The consciousness instruction about modifying the air contamination may sustenance to reduction the opposing result which might support to create restricted contamination pleasant atmosphere on the ground also be responsible for a better residence to living on (Huesemann 2003). Diesel-powered means of transportation instructions also atmosphere defense

guidelines may be severely practical through the anxious sections to regulator air contamination in the urban. The administration must improve air contamination decrease policies through connecting entirely the pale containers to protect the inhabitant since opposing properties of the air contamination in upcoming.

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References:

Akinbami, L. J., Lynch, C. D., Parker, J. D., & Woodruff, T. J. (2010). The association between childhood asthma prevalence and monitored air pollutants in metropolitan areas, United States, 2001– 2004. Environmental Research, 110(3), 294-301.

- Anwar, M. M., Ahmed, M., & Asghar, F. (2012).
 Air pollution as an environmental hazard; a case study Karna Basti of Bahawalpur, Pakistan. Sindh University Research Journal- SURJ (Science Series), 44(3).
- Balti, E. V., Echouffo-Tcheugui, J. B., Yako, Y. Y., & Kengne, A. P. (2014). Air pollution and risk of type 2 diabetes mellitus: a systematic review and meta-analysis. Diabetes research and clinical practice, 106(2), 161-172.
- Becerra, T.A., Wilhelm, M., Olsen, J., Cockburn, M., Ritz, B. (2013). Ambient air pollution and autism in Los Angeles County, California. Environmental Health Perspectives. 121(3): 380-386.
- Coogan, P.F., White, L.F., Jerrett, M. Brook, R.D., Su, J.G., Seto, E., Burnett, R., Palmer, J.R., Rosenberg, L. (2012). Air pollution and incidence of hypertension and diabetes mellitus in black women living in Los Angeles. Circulation. 125(6): 767-772.
- Ensor, K.B., Raun, L.H., Persse, D. (2013). A casecrossover analysis of out-ofhospital cardiac arrest and air pollution. Circulation. 127(11): 1192-1199.
- Eze, I. C., Hemkens, L. G., Bucher, H. C., Hoffmann,
 B., Schindler, C., Künzli, N., Probst-Hensch, N. M., et al. (2015). Association between Ambient Air Pollution and Diabetes Mellitus in Europe and North America: Systematic Review and Meta-Analysis. Environmental Health Perspectives.
- Gulia, S., Nagendra, S. S., Khare, M., & Khanna, I. (2015). Urban air quality management-A

review. Atmospheric Research, 6(2), 286-304.

Pollution

- Hao, Y., Balluz, L., Strosnider, H., Wen, X.J., Li, C., Qualters, J.R. (2015). Ozone, fine particulate matter, and chronic lower respiratory disease mortality in the United States. American Journal of Respiratory and Critical Care Medicine. 192(3):337-341.
- Hart, J.E., Kallberg, H., Laden, F., Costenbader,
 K.H., Yanosky, J.D., Klareskog, L.,
 Aldredsson, L., Karlson, E.W. (2013).
 Ambient air pollution exposures and risk of
 rheumatoid arthritis in the Nurses'
 Health Study. Arthritis Care Research.
 65(7): 1190-1196
- Jerrett, M., Burnett, R.T., Beckerman, B.S., Turner, M.C., et al. (2013). Spatial analysis of air pollution and mortality in California. American Journal of Respiratory and Critical Care Medicine.188(5):593-599.
- Kamal, A., Qamar, K., Gulfraz, M., Anwar, M. A., & Malik, R. N. (2015). PAH exposure and oxidative stress indicators of human cohorts exposed to traffic pollution in Lahore city (Pakistan). Chemosphere, 120,59-67.
- Katpar, S., Khan, R., Siddiqu, R., Hussain, M., & Rehman, R. (2016). Perceptions of medical students regarding dimensions of environmental wellness. JPMA: Journal of Pakistan MedicalAssociation, 66(4),373.
- Kokem P.J.M., Piver, W.T., Ye, F., Elixhauser, A., Olsen. L.M., Portier. C.J. (2013).Temperature, pollution, air and hospitalization for cardiovascular diseases among elderly people in Denver. Environmental Perspectives. Health 111(10): 1312-1317.

- Laurent, O., Hu, J., Li, L., Cockburn, M., Escobedo, L., Kleeman, M.J., Wu, J. (2014). Sources and contents of air pollution affecting term low birth weight in Los Angeles County, California, 2001-2008. Environmental Research. 488-495.
- McConnell, R., Islam, T., Shankardass, K., Jerrett, M., Lurmann, F., Gilliland, F., Gauderman,
- J., Avol, E., Kunzli, N., Yao, L., Peters, J., Berhane, K. (2010). Childhood incident asthma and traffic-related air pollution at home and school. Environmental Health Perspectives. 118(7): 1021-1026.
- Medina-Ramon, M., Schwartz, J. (2008). Who is more vulnerable to die from ozone air pollution. Epidemiology. 19(5):672-679.
- Mobasher, Z., Salam, M.T., Goodwin, T.M.,
 Lurmann, F., Ingles, S.A., Wilson, M.L.
 (2013). Associations between ambient air
 pollution and hypertensive disorders of
 pregnancy. Environmental Research.
 123:9-16.
- Moolgavkar, S.H., McClellan, R.O., Dewanji, A., Turim, J. Luebeck, E.G. Edwards, M. (2013). Time-series analyses of air pollution and mortality in the United States: A subsampling approach. Environmental Health Perspectives. 121(1): 73-78.
- Moore, K., Neugebauer, R., Lurmann, F., Hall, J., Brajer, V., Alcorn, S., Tager, I. (2008).
 Ambient ozone concentrations cause increased hospitalizations for asthma in children: an 18-year study in Southern California. Environmental Health Perspectives. 116(8):1063-1070.

- Tanveer, Z., Ilyas, H., Akhtar, S. N., & Shaffique, K. (2015). Outdoor air pollution: A case study of Gujrat City. J. Glob. Sci, (3), 57-65.
- Wang, R., Yang, Y., Chen, R., Kan, H., Wu, J., Wang, K., & Lu, Y. (2015). Knowledge, attitudes, and practices (KAP) of the relationship between air pollution and children's respiratory health in Shanghai, China. International journal of environmental research and public health, 12(2), 1834-1848.
- Zell, H., Quarcoo, D., Scutaru, C., Vitzthum, K.,
 Uibel, S., Schöffel, N., ... & Spallek, M. F.
 (2010). Air pollution research: visualization of research activity using density-equalizing mapping and scientometric benchmarking procedures. Journal of Occupational Medicine and Toxicology, 5(1), 5.

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