

RESEARCH ARTICLE**EFFECT OF AIR POLLUTION ON HUMAN SKIN IN AMRAVATI CITY,
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ABSTRACT

On the air depends all the life forms of life. The body of humans are cooled by contact of air but there air contain many air pollutant from dust to many toxic gaseous which result ageing of skin and many skin diseases many skin problem comes from the pollution problems, western countries have conducted several studies in this area but there are only few studies in developing countries like India. In this backdrop, a study of air pollution effect on skin in Amravati city of Maharashtra has been undertaken. The study and select was residential area and commercial area. Data shows an increasing in the skin problems due to increasing air pollution decreasing the air quality. The hospital records also support the results obtained from the field study. The children young generations are main victims of the skin disease.

Keywords : Air Pollution, Human Health, Skin, Amravati, India.

INTRODUCTION

The key to man's health and calm lies largely in his environment. In fact many health problems and skin problems are due to the various pollution such as water pollution air pollution, Noise pollution, soil pollution often man is responsible for the pollution of his environment through urbanization and research. In 1972 the UN conference on the human environment focused world will attention on the environmental hazards that threaten human beings. To facilitate work in this area WHO has compiled a wide ranging survey of environmental hazards with human health.

Man has already control the number of environmental factors as food water, sanitation. This includes the standard of living. And as the new research the old problems are being solved but the new problems are arising. Air pollution problem is of growing concern in many urban areas.

The Main purpose of environmental health is to supply and maintain the environmental and that

give a good health and prevent the hazardous disease and also skin disease the national air quality monitoring programmed sponsored by the central pollution board (PCB) since 1999, has generated data base over last 14 years in 10 major Indian city named Ahmedabad, Mumbai, Kolkata, Delhi, Hyderabad, Jaipur, Kanpur, Kochi, Chennai, Nagpur. The programmed facilitates evolution of long term air quality trends for health related criteria pollutants such as invaluable dust, sulphur dioxide, nitrogen, dioxide etc. and has several effect on skin.

The present study is an effort to assess the How skin damage and skin disease by the air pollutant in Amravati city.

MATERIALS AND METHODS:

Amravati is the one of the main district in Vidharbha region of Maharashtra. The name is derived from Umbaravati where the umbar plants are found so the name umbaravati is done but it change to Amravati.

Data collection has been done by the questionnaire method covering various households. All aspects of environment of each household like socio-economic status, indoor air pollution and the disease related skin, infectious disease, eye disease, which belongs to the area under study.



RESULT AND DISCUSSION:

Commercial area:

Urbanization has been one of the most striking developments of the 20th century. Sources of urban air quality depends mainly on Vehicular density Worldwide, move than 5000 million urban residents are exposed to health thereatening levels of air pollution (UNEP, 2000) in this sudy, the commercial area includes the market place. (Jaystamb area) The main air pollution source is vehicular, the vehicular exhaust contains. Nox Co, PAHs, Sox and carbon soot particles, which have some direct effect on human health skinng and eyls.

PAHs like benzo (a) pyrene has certain carcinogenic property related to the skin concern.

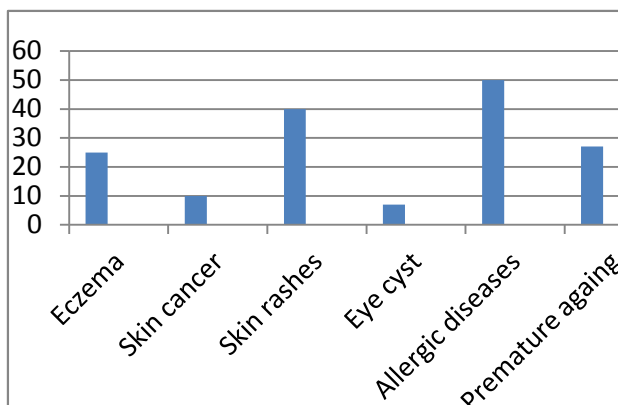


Fig. 1: Skin Disease Prevalence in Commercial Area

Residential Area: In the residential area most of the people are concern about the environmental problems they are trying to keep their environment clean and this helps to keep away air born disease. Hence indoor air pollution from bio-fuels is not a series problem as most people have switch on the LPG system. The LPG is effect on skin due to the LPG effect the blackening of skin is done but the process is very slow. The people also report some kinds of phto allergic skin problems. Here dust problems is main problem.

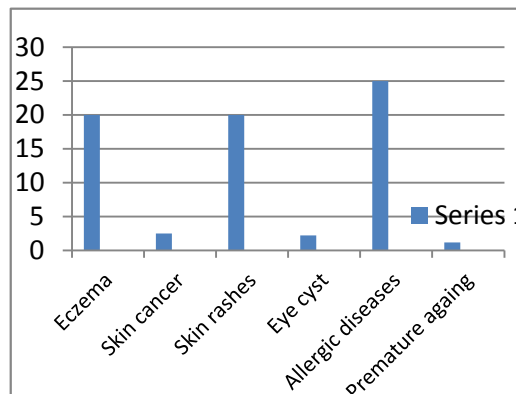


Fig. 1: Skin Disease Prevalence in residential area

CONCLUSION:

The present study has shown in each area has its own environmental problems, as related to the skin disease. In the commercial area eczema and acne, skin rashes, allergic disease prematuring are found in more number as compared to skin cancer, eye cyst and in the residential area skin disease like the allergic disease, eczema & acne, skin rashes are mainly found and skin cancer, premature of againg and eye cyst are found but in less percentage. An exlusive study on the soureces and sinks of pollutants, its reaction mechanism, skin problem human, short and long terms effects etc. are very essential to manage the risks associated with the degradation of environmental quality, particularly in urban areas.

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