



## Impact of climate change on water resources and children health with sustainable water future

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### Abstract

Climate change is certainly a reality and the defining issues of 21st Century. The recent greenhouse gases emissions are the highest in the history contributing for global warming of the climate system. It is observed warming of oceans and rising of sea level, diminished snow and ice caps and glaciers. The change in the surface temperatures and evaporation can lead to altered pattern of rainfall; reduce the quality of drinking water even though they are supplied by conventional treatment system. The South East Asia is experiencing the 44% of all the global disorders with extreme weather in the form of storms, floods, heat waves, droughts. Risks from glacial lake outburst foods. Earth's 70% of the surface is from water, in that 2.5 to 3% is fresh water less than 1% is accessible for utility. The water pollution and other factors further reduce the access by 2/3, over 1.1 billion people have no access to quality drinking water. Children are the most vulnerable from water pollution because – they have unique different exposure, dynamic development physiology-drink more water per unit of body weight, have highest absorption, elimination and metabolism. Critical windows of development, longer life expectancy and they are politically powerless. India supports 1/6th of World population, 1/25th of water resources and 1/50th of worlds land. The availability of water per capita is 170cum/ca/yr compared to North America > 3600 cum/ca/yr over 17% of rural water supply is non-functioning in Asia and South America.

### Biography

H Paramesh is Paediatric Pulmonologist and Chairman Lakeside Hospital and Education Trust, Bangalore. He was a national founder chairman of IAP Environment Child Health Group. He has been a member international consensus on (ICON) childhood. Currently he serves as a national president paediatric association of India. His work on smoking and impact on child

health was responsible in bringing about the antismoking legislation in Karnataka State. His work was instrumental in the Supreme Court of India to tackling air pollution in major cities. His work on traffic and non-traffic police was discussed in the Parliament for remedial measures. Many chapters in 32 Textbooks and 10 Training modules. He has an exemplary service with environmental health in social paediatrics from Indian Academic of Paediatrics IAP. He serves as a member committee on compendium of studies on Air Pollution and Health (IISc) Government of India.



### Publication

1. Airway Disease Education & Expertise (ADEX) NEXT Working Group Recommendations-Persistent (Chronic) Cough In Pediatric Practice H. Paramesh\*, Nimain C. Mohanty\*\*, Remesh Kumar Chairman, Pediatric Pulmonologist and Environmentalist, Lakeside Center for Health Promotion and Lakeside Education Trust, Bangalore.
2. Normal peak expiratory flow rate in urban and rural children H Paramesh Lakeside Medical Center and Hospital, Bangalore, India.
3. Epidemiology of asthma in India H. Paramesh Director & Pediatric Pulmonologist, Lakeside Medical Center and Hospital, 560042, Bangalore, India

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