

Divecha Centre for Climate Change, IISc.
Lakeside Education Trust
International Pediatric Association, Geneva

World Pneumonia Day Celebration

Date: Nov 30th, 2023 Time: 4.00 PM – 5.00 PM (IST)

Auditorium DCCC IISc. - 3.30 PM to 4.00 PM High Tea

Timings	Agenda	Faculty
4:00 PM– 4:05 PM	Welcome Speech	Prof. S.K Satheesh / Prof. J Srinivasan
4:05 PM – 4:10 PM	Introduction of the subject and the speaker	Prof. Dr. H Paramesh
4:10 PM– 4:50 PM	"Environmental Issues in Mitigating Pneumonias"	Prof. Kalappanavar NK Director SS Institute of Medical Science Davangere President IAP Respiratory Chapter 2024
4:50 PM –4:55 PM	Q & A / Remarks by Moderator	Dr. Joshitha Sankam Co-Ordinator
4:55 PM –5.00 PM	Vote of thanks Group picture of participants	

Prof. Dr. H Paramesh
Organiser
Visiting Prof. DCCC IISc.
Chairman Lakeside Education Trust
Co-Chairman IPA on Environmental Health and Climate Change



**Divecha Centre for Climate
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22933425/2075**

DCCC Seminar

Title: “ENVIRONMENTAL POLLUTION MITIGATING PNEUMONIA IN CHILDREN ”

Speaker: Dr N K Kalappanavar, MD., DNB., MNAMS., FIPP., FIAP., FRCPCH(UK).
National President IAPNRC 2023
Former Medical Director
Consulting Paediatric Pulmonologist
S S Institute of Medical Sciences and Research Centre
Davangere Karnataka

Date: 30th November 2023 (Thursday)

Time: 4.00 - 5.00 PM

Venue: DCCC Auditorium, 2nd Floor, D314.

Coffee/Tea: 3.30 - 4.00PM

Speaker Bio: -

Dr. N.K. Kalappanavar, National President IAPNRC 2023, Former Medical Director, Consulting Paediatric Pulmonologist, S S Institute of Medical Sciences and Research Centre, Davangere Karnataka, He has received many awards and published many scientific papers in National and International peer reviewed journals and this work related to Indo- Air pollution and module he prepared and organised many conference on health issues.

Abstract: -

Rapidly increasing industrialization, urbanization, population growth and demand for transportation along with meteorologic conditions influence air pollution in many Indian cities. In recent time, India is experiencing a rapid growth and economic development reflected by industrialization, urbanization, rise in income and motor vehicle use. Currently about two-third of

Indians live in rural areas. But the pattern is changing rapidly as more people are moving to the cities in search of livelihood

PERSISTENT CHALLENGES AND BURDEN IN INDIA

According to the 2022 State of Global Air Report at least 1.6 million deaths were attributable to air pollution alone in India in 2019, making it the leading environmental hazard in the country. A separate analysis estimated that in 2019, the economic losses in India resulting from premature deaths and illnesses linked to air pollution were estimated to be \$29 billion and \$8 billion respectively.

The new analysis of fine-scaled satellite data reveals that air pollution is a pervasive problem in India. In 2022, annual PM_{2.5} air pollution averages for both rural and urban areas continue to exceed the annual limit of 40 µg/m³ in India set by the Central Pollution Control Board and are well above the World Health Organization's recently revised Air Quality Guidelines of 5 µg/m³

Children are more prone for pneumonia due to anatomical, physiological, biochemical, immunological, and environmental factors. The newer concept of development of pneumonia is due to the alteration in epigenetics, DNA fragmentation, oxidative stress, and secretion of various cytokines.

During the talk, couple of interesting cases will be discussed and details will be dealt.

All are welcome!