

On 10<sup>th</sup> March, 2017, I was invited as a panelist for ‘International Summit on Air pollution- Health Advisories’ organized by Central IMA at New Delhi and delivered talk on “Health Impacts of vehicular pollution on vulnerable class, especially fetus in metro cities”

. 10<sup>th</sup> March, 2017 in IMA”” International Summit on Air Pollution- Health Advisory By IMA at Hotel Lalit



# INTERNATIONAL SUMMIT ON AIR POLLUTION – HEALTH ADVISORIES

organised by

## INDIAN MEDICAL ASSOCIATION

Hotel Lalit, Barakhamba Avenue, Connaught Place, New Delhi, India

### PROGRAMME

#### Panelists:

1. Oncology - Dr P K Julka
2. Nephrology - Dr A K Bhalla
3. Obs. &Gynae. - Dr Ashok Kumar
4. Cardiology – Dr Ashok Seth
5. Ophthalmology - Dr A K Grover
6. Paediatrics - Dr Siddarth Ramji
7. Neonatology - Dr Vinod Kumar Paul
8. Neurology - Dr M MMehndiratta
9. Chest diseases - Dr Randeep Guleria
10. Health Impacts of vehicular pollution on vulnerable class, especially fetus in metro cities – Dr Sanjay Kulshrestha

|                 |   |
|-----------------|---|
| Keynote Address | Justice Swatantra Kumar, Chairperson of National Green Tribunal |
|-----------------|---|

## Health Impacts of vehicular pollution on vulnerable class, especially fetus in metro cities – Dr Sanjay Kulshrestha



Shared dais for panel discussion with renowned specialists of india and Honble Chairman of National Green Tribunal Justice Mr Swatantra Kumar



**Indian Medical Association (HQs.) <hsg@ima-india.org>**

Tue, Mar 7, 2017,  
10:39 PM

Dr Sanjay Kulshrestha

Respected Dr Sanjay Kulshrestha,  
Greetings from Indian Medical Association!

This is in continuation of our earlier communications / telecommunications with you and your kind acceptance in connection with your esteemed participation in the day-long **"International Summit on Air Pollution – Health Advisories"** being organized by IMA with **Confederation of Medical Associations in Asia and Oceania (CMAAO)** on **Friday, March 10, 2017 at Hotel Lalit, Barakhamba Road, New Delhi-110001**, to enable us to build up Indian guidelines to form standard advisories in health & diseases.

As already informed to you, International experts from Canada, Japan & Bangladesh have already confirmed their participation. They will be talking about their experiences in tackling Air Pollution in their country and shall share their experiences to enable us to build up Indian guidelines to build standard advisories in health & diseases.

Senior officers from Environment Ministry and Ministry of Health & Family Welfare and various State Pollution Control Boards have also confirmed their participation in this important summit & shall present the reports of their States and share their experiences to achieve the aims of the Summit.

We look forward to your participation in the above day-long Summit and also address the National and International participants on **Health Impacts of vehicular pollution on vulnerable class, especially fetus in metro cities during "Scientific Session-IV: Health Advisories in Air Pollution" as Panellist at 3:30:00 PM.**

You are requested to kindly contact **Dr Vinod Kumar Khetarpal, Honorary Joint Secretary, IMA (Mobile No. +91-9811054945), Email: [hsg@ima-india.org](mailto:hsg@ima-india.org), [vkhetarpal@gmail.com](mailto:vkhetarpal@gmail.com)** for any query / coordination / audio visual requirements regarding your session and get in touch with him at the venue on arrival before your session starts for any requirements.

Thanking you and with regards,

Yours sincerely

**Dr K K Aggarwal**  
National President

**Dr R N Tandon**  
Hony. Secretary General



**On 28th June 2017 at India International Centre, Delhi during Clean Air Knowledge conference by International NGO Clean Air Asia, India delivered a talk “Vehicular air pollution in India: Its serious health impact on vulnerable class of society”**

## **Clean Air Asia launches Clean Air Knowledge Network in India**

Clean Air Asia’s recently launched Clean Air Knowledge Network (CAKN) serves as a knowledge hub for research and technical assistance for air quality stakeholders throughout India. The CAKN connects air quality experts and practitioners and promotes best practices from different regions, and in so doing supports policymakers and other stakeholders in air quality management. The CAKN is aligned with the six components of Clean Air Asia’s Guidance Framework for Better Air Quality in Asian Cities: Ambient air quality standards and monitoring; emissions inventories and modeling; health and other impacts; air-quality communication; clean air action plans; and governance.

The first city members’ CAKN workshop was held on June 28 in Delhi with representatives from government, civil society, academia, the medical community, and the private sector from Chandigarh, Ludhiana, Kurukshetra, Amritsar, New Delhi, Kanpur, Nagpur, New Delhi, Guwahati, Pune, Bangalore and Ahmedabad.

Dr Harsh Vardhan, Minister of Environment, Forest and Climate Change; Earth Sciences; and Sciences and Technology sent a message to workshop participants in support of the CAKN, and aired concerns about the growing global problem of air pollution.

Through two high-level panels and group work, the workshop identified the key air quality challenges in India and paved the way forward for the CAKN to build sustainable partnerships and support air quality management and policies.

The issue we need to discuss is whether the transition to e-vehicles, the use of big data and better ICT modules, and waterways transport can prove to be game-changers

The first panel highlighted the key air quality management challenges in India. Moderated by Professor Jagan Shah, Director of the National Institute of Urban Affairs and Clean Air Asia Board of Trustees member, panelists included Dr Gufran Beig, SAFAR (IITM) Project Director, Rashmi Urdhwarshie, ARAI Director, Dr Damodar Bachani, Deputy Commissioner of Non-Communicable Diseases at the Ministry of Health and Family Welfare, Professor Mukesh Sharma from IIT Kanpur, and Dr J.S. Kamyotra, Head of the ETU Section at the Central Pollution Control Board.

The panel advised city members to focus on the development of micro-level, city-based action plans, to collaborate on air quality, to bridge any gaps in research, and to be realistic about the time frame. Prof Shah promoted a solutions-based approach: “The issue we need to discuss is whether the urban transport transition to e-vehicles, the use of big data and better ICT modules, and waterways transport can prove to be game-changers.”

The second panel focused on air quality and such cross-cutting issues as community health, industry, environmental education and micro-level action in Tier 2 cities.

Moderated by Clean Air Asia India Director Parthana Borah, **panelists included Senior Pediatric Surgeon Dr Sanjay Kulshreshtha, Nisshant Kaalra, Head of the Department of Technical Affairs at Toyota Kirsloskar Motors in Gurgaon, Dr Satish Patil, Director of the BCUD, Dr Babasaheb Ambedkar from Marathwada University (BAMU) in Aurangabad, and Dr Ram Boojh, Senior Programme Officer at UNESCO in New Delhi.**

The panel explored the role of the CAKN in each of their specific areas, determining the key modalities of the network in health-related research, bringing together experts from different sectors, and supporting an integrated approach to air quality.

Through the group work, participants were able to identify different ways in which the CAKN could be developed, including continued engagement on air quality monitoring issues, emissions inventories, health, communications and governance.





Dr. Sanjay Kulshreshtha  
1/188/C, Gulab Rai Marg,  
Delhi Gate, Agra 282001

Date: 2.06.2017

Re: Invitation to participate at the Clean Air Knowledge Network (CAKN) Workshop on Wednesday, 28th June at India International Centre, New Delhi

Dear Dr. Kulshreshtha,

Greetings from Clean Air Asia!

Clean Air Asia (CAA) is an international non-governmental organization that leads the regional mission for better air quality and healthier, more livable cities in Asia. In India, we aim to reduce air pollution and greenhouse gas emissions through policies, public engagement strategies and programs that cover air quality, transport and industrial emissions and energy use.

Air Quality (AQ) is an issue that has been given more and more attention in India through Government efforts and media reporting. Although the Government of India is leading the process to select and develop the right policies, a key challenge in policy development has often been knowledge sharing and information resources.

For this reason, Clean Air Asia is proposing a Clean Air Knowledge Network (CAKN) to serve as a knowledge hub of implemented research and good practices. The network aims to connect air quality experts and practitioners from across India, promote knowledge sharing across cities and issues and share best practices.

The first CAKN workshop to discuss the modalities of the network is being organized on:

Date - Wednesday, 28th June 2017

Time - 9AM to 5PM

Venue - India International Centre, New Delhi

Clean Air Asia Center  
Unit 3303 Robinsons Equitable Tower  
ADB Avenue, Pasig City, 1603 Philippines  
Tel +63 2 631 1042  
Fax +63 2 631 1390  
center@cleanairasia.org

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Beijing 100600 China  
Tel/Fax: + 8610 8532 6172  
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Country Networks in China, India, Indonesia, Malaysia, Nepal, Pakistan, Philippines, Sri Lanka, Vietnam  
[www.cleanairasia.org](http://www.cleanairasia.org)

**On 24<sup>th</sup> February 2019 International Conference “ Role of Genetics, Epigenetics, Environment and Nutrition towards Plant, Animal and Human Health under Climate Change” under GEENPAHH 2019 22<sup>nd</sup> to 24<sup>th</sup> February 2019**

**INTERNATIONAL CONFERENCE  
ROLE OF GENETICS, EPIGENETICS, ENVIRONMENT AND NUTRITION TOWARDS  
PLANT, ANIMAL AND HUMAN HEALTH UNDER CLIMATE CHANGE  
GEENPAHH 2019 22<sup>nd</sup> to 24<sup>th</sup> February 2019**

**Topic: Air Pollution Adversely Affecting Fetal Health causing birth defects, Premature Birth & Fetal Growth Retardation! A wake up alarm!**



**HINDUSTAN COLLEGE OF  
SCIENCE & TECHNOLOGY**



Optimal Pregnancy  
Environment Risk Assessment  
**OPERA**



**SHARDA  
HOSPITAL**



**Samriddhi Crops  
India Pvt. Ltd.**

To,  
2019

15<sup>th</sup> February

**Dr. Sanjay Kulshrestha,  
Department of Paediatrics,  
Sarkar Hospital**

**Agra**

SUB: Request for **invited talk on effect of environmental pollutants on preterm birth and arrangement of visit** of Optimal Pregnancy Environment Risk Assessment (OPERA) delegates to Sarkar Hospital, Agra.

**Respected Sir,**

The Department of Biotechnology, Hindustan College of Science and Technology (HCST) is organizing three days International Conference on role of Genetic, Epigenetic, Environment, Nutrition towards Plant, Animal and Human Health (GEENPAHH-2019) from 22<sup>nd</sup> to 24<sup>th</sup> February 2019. The Conference would be focused on ameliorating the pressing problems of current day needs. Topics such as integrated environment management in relation to **preterm births and underlying genetic and epigenetic biology behind it**, Biotechnological aspects of crop improvement in terms of quality, quantity and nutritive value, Bio-organic agriculture as a savior of human, animal and environmental health and frontier technologies towards plants animals and human wellness would be discussed.

The delegates would like to visit hospital in Agra and interact with doctors of obstetrics & gynecology and Pediatrics.

I would be thankful for delivering invited talk on "**Effect of environmental pollutants on preterm births**" and arranging the visit of foreign (OPERA) delegates to hospital in Agra. Please find enclosed aims and objectives of OPERA and list of foreign delegates

Thanking You

Yours Sincerely

*Arun P. Chopra*

Arun P. Chopra, PhD Organizing Secretary, GEENPAHH-2019,  
Associate Prof. Department of Biotechnology

<https://www.geenpahh.com/Contact> 9568006057

**Optimal Pregnancy Environment Risk Assessment (OPERA)**

**An international group of researchers, care providers, foundations and agencies dedicated to women at risk for preterm birth.**

About OPERA: Goals and Objectives

OPERA (Optimal Pregnancy Environmental Risk Assessment) is an international, interdisciplinary program of researchers, care providers, health administrators, foundations and agencies dedicated to discovering and disseminating inexpensive and accessible tools to diagnose those women at risk for preterm birth or other adverse pregnancy and newborn outcomes as early as possible in pregnancy and to promoting effective interventions to mitigate these risks. Meetings and workshops are organised in conjunction with interested parties internationally to work with regional care providers, researchers and health administrators to encourage, guide and facilitate local efforts to develop and use tools appropriate for the jurisdiction to predict risk for adverse pregnancy and newborn outcomes. OPERA is supported by the Worldwide Universities Network and is recognised by the World Health Organization and the [March of Dimes](#) (USA).

OPERA meetings and workshops are organised in partnership with local practitioners, researchers and administrators to help professionals learn more about the risks in the local jurisdiction, the latest advances in risk assessment, and to share ideas, tools and platforms in order to begin predicting risk locally and then identifying the means to mitigate those risks.

OPERA facilitates research projects and risk prediction trials in each community that holds a meeting or workshop according to the desires of the local professionals. OPERA experts can provide advice and support for each phase of a research project or trial.

OPERA connects professionals in local jurisdictions with other professionals involved in OPERA internationally. Its website is designed to describe and share the latest risk prediction tools and



successes of teams everywhere and encourages them to be trialed in a variety of settings to determine how robust and universally applicable they are.

Topics and themes typically addressed at OPERA meetings and workshops

- Identification of population level risk factors for preterm birth and adverse pregnancy problems involving migration, conflict, natural disasters, environmental (air, soil & water pollutants, green space, crime), and climate change/global warming factors.
- Identification of personal markers of risk including clinical and medical histories, mental health, history of abuse, serum, metabolomic, and epigenetic factors.
- Discussion of implementing risk assessment and intervention programs in various jurisdictions (e.g. LMIC, HIC) and stratification of risk assessment techniques to suit the community and its resources.
- Recommendations and resources for continuing work and projects (collaborative projects, too) and implementation of risk prediction tools.

#### **OPERA Past and upcoming Meetings and Workshops**

- Preparatory workshops: World Health Organization, Geneva, 2013, 2014
- International Preterm Birth – Industry Meeting: Ottawa, Canada, November 2014 ([www.ptbmeeting.org](http://www.ptbmeeting.org))
- Inaugural meeting: San Francisco, March, 2015 ([www.operamtg.org](http://www.operamtg.org))
- OPERA China Workshop: Chongqing, November, 2016
- OPERA China Update: Chongqing, September 18, 2018
- OPERA Europe Meeting: Pforzheim, Germany, December 11-12, 2018
- OPERA India: several regional conferences, 18 February – 25 February, 2019
- OPERA Preterm Birth Symposium: DOHaD Meeting, Melbourne, October, 2019
- OPERA Ghana: Accra, Ghana, May 2020

**Names (with complete address) of foreign delegates (Country-wise) proposed to be contacted/invited**

**Name of Participant: David Mark Olson**

Nationality: Canadian, Date of Birth: **23 January 1949** Place of Birth: St Paul, Minnesota, USA  
Address: 305 Hedley Way, Edmonton, Alberta Canada T6R1T8 **E mail:** [dmolson@ualberta.ca](mailto:dmolson@ualberta.ca)

**Name of the participant: Beatrijs Rosalie H. VAN DEN BERGH**

Nationality: BELGIAN, Date of birth: April 2, 1958 Place of birth: Bornem (Belgium)  
Address: Driehoekstraat 1, 2222 Itegem, Belgium, E-mail: [bea.vandenbergh@gmail.com](mailto:bea.vandenbergh@gmail.com)

1.

**Name of participants : René Marcel EECKHOUT**

Nationality: BELGIAN Date of birth: 8 September 1956 Place of birth: Herentals (Belgium)  
Address: Driehoekstraat 1, 2222 Itegem, Belgium E-mail: [eeckhout.rene@telenet.be](mailto:eeckhout.rene@telenet.be)

**Name of Participant: Gerlinde AS Metz, PhD**

Nationality: Canadian Date of Birth: **June 19, 1970** Place of Birth: Kassel, Germany  
Address: 420-14 Street South, Lethbridge, Alberta, Canada T1J 2X7 [gerlinde.metz@uleth.ca](mailto:gerlinde.metz@uleth.ca)

**Full Name as on Passport: BAILEY, Janice Lynne**

Nationality: Canadian Place of Birth: St. Boniface, Canada

address: 217 rue du trefle, Saint-Augustin-de-desmaures, Quebec CANADA G3A 1H9

**Name as in Passport : RIEDACKER Arthur Charles**

Date of Birth 25/01/1944

Residential Address as in Passport 91B AV. G. GOSNAT 94200 IVRY SUR SEINE FRANCE

Telephone No. +33672397646

Email. [a.riedacker@wanadoo.fr](mailto:a.riedacker@wanadoo.fr)

<http://epaperbeta.timesofindia.com/Article.aspx?eid=31808&articlexml=Doctor-opposes-stay-plea-on-vehicle-ban-15052015006045>

<http://www.dailypioneer.com/sunday-edition/sunday-pioneer/special/smoke-choke-delhi.html>

<http://timesofindia.indiatimes.com/city/delhi/Air-pollution-campaign-not-anti-development-Activists/articleshow/47135395.cms>

<http://epaperbeta.timesofindia.com/Article.aspx?eid=31808&articlexml=NGT-takes-pollution-fight-to-all-states-18042015001061>

<http://timesofindia.indiatimes.com/city/delhi/Agra-doctor-moves-green-tribunal-over-air-pollution/articleshow/35079491.cms>

<http://timesofindia.indiatimes.com/city/delhi/Plea-in-SC-to-extend-ban-to-small-diesel-cars/articleshow/51016217.cms>

Book: <http://tsunamionroads.org/Book/e.book%20Tsunami%20on%20Roads.pdf>

A French govt. channel has prepared a film of 90 minutes on air pollution in the world including India covering indian status of air pollution, they have included my work along with noted Indian environmentalists [ <https://youtu.be/WPBSLrQYhaw> ] from 52nd to 57th minute of this film.