



On the Special Occasion of World Environment Day - 2018

NATIONAL CONFERENCE

On

ENVIRONMENTAL CHALLENGES FOR 'NEW INDIA'

Organized by

Environment and Social Development Association (ESDA), Delhi

In collaboration with

**Dr. Bhim Rao Ambedkar College, University of Delhi
CSIR-National Environmental Engineering Research Institute, Delhi
and
National Environmental Science Academy (NESA), Delhi**

on
2nd - 3rd June, 2018

Venue

**Auditorium,
Dr. Bhim Rao Ambedkar College, University of Delhi
Main Wazirabad Road, Yamuna Vihar, Delhi-94**

About the Conference:

India is rapidly globalizing and has turned out to be the sixth largest global economy. However, this rapid pace of development has not come without serious environmental costs. The major mega-cities of the country including the national capital, Delhi regularly feature in the top polluted cities of the world. A large proportion of India's population living in various basins and dependent on its natural resources and environment feels that their environs are undermined or compromised. The growth process and development models offer little hope for inclusive and peaceful 'sustainable human development' in India, which is the need of the hour. There is a serious need for reaching considered trade-off between conservation and development and India in order to do well has to carry out urgently needed reforms of their socio-economic and development policies so that they are intrinsically more inclusive, integrative and people welfare centred.

A related major area of concern for India is the threat to food and water security, disease outbreaks and human health arising from climate change and unruly economic exploitation of resources. Evidence is mounting that agricultural and horticultural crops, grown by the farming communities and also exported from India are faced with imminent danger of loss of productivity, and environmental challenges thus creating unanticipated economic hardships and survival risks. Mitigation measures through effective monitoring and research selecting the environment friendly economic development models are needed to prevent or at least reduce the scale and intensity of losses of human lives and property. This vulnerability is exacerbated by a number of issues India faces (poverty, unemployment, inequality illiteracy, weak institutional delivery systems and governance breakdown, unabated human pressures on natural resources, declining carrying capacity of the historically known and developed cities, internal and external socio-economic and political conflicts, etc.).

The need of the hour, thus, is to convince the various stakeholders about the importance and need for a 'safe and healthy living and working space' for the people of India to take on environmental challenges. It cannot be a purely science and technology or resource management driven enterprise. Ethics shall remain the cornerstone of any workable solution matrix and also the work place. Ways would have to be found out for accommodation of scientific advice and temperament, discussion and cooperation among various stakeholders of the country away from social biases including caste, religion and politics before it is too late.

This conference aims to foster interactive discussions among academicians, scientists, corporates, policy-makers, civil society, students and all other nature-lovers. It will also attempt to present some viable working solutions to the environmental challenges being faced by the emerging 'New India' and its people in the global development context.

Sub-themes of Conference:

- Air Pollution & Smog in Delhi-NCR and other Metro Cities
- Water Pollution, Crises and Conflict in India
- Global Warming, Climate Change and Youth
- Sustainable Development and 'New India'
- Solid Waste Management
- Biodiversity Conservation & Eco-Regeneration

- Ecological Imbalances and Dangers to Humanity
- Environmental Economics, Politics and Policies
- Natural Resource Management and Green GDP
- Environmental Challenges: Socio-Economic-Health & Cultural Facets
- Environmental Accounting, Auditing and CSR
- Environmental Communications, Public Awareness
- Environmental Conservation: Role of Activism, Media, NGOs, Education, Judiciary
- Environment Strangling, Climate Change and Health Diseases
- Human Communities and the Environmental Challenges
- Environment, Industry, Agriculture and Technology linkages
- Environmental Ethics, Religion and Culture
- Other relevant topics related to the main title

Organizing Committee of the Conference:

Patrons:

Mr. Deepanshu Shrivastava,
Chairperson (Governing Body), Dr. Bhim Rao Ambedkar College, University of Delhi
Dr. S.K. Goyal
Sr. Principal Scientist & Head, CSIR-NEERI, Delhi Zonal Centre (DZC), Delhi

Co-patrons:

Dr. Rakesh K. Rana, President, Environment and Social Development Association, Delhi
Prof. Javed Ahmad, President, National Environmental Science Academy, New Delhi

Chairman:

Dr. G. K. Arora, Principal, Dr. Bhim Rao Ambedkar College, University of Delhi

Co-Chairman:

Dr. Umesh Chandra, Vice President, ESDA; & Head, HSE, Reliance Industries Ltd., Mumbai.

Convener:

Dr. S. S. Chawla, Coordinator, IQAC, Dr. Bhim Rao Ambedkar College, University of Delhi

Co-Conveners: Dm. Veer Mahendra Prakash Singh, President, Delhi State, ESDA

Dr. Geetanjali Kaushik, Vice President, Delhi State, ESDA

Coordinators: Dr. Monica Ahlawat, Dr. Bhim Rao Ambedkar College, University of Delhi

Dr. Sarla Bhardwaj, Dr. Bhim Rao Ambedkar College, University of Delhi

Dr. Arvind Kumar Yadav, Dr. Bhim Rao Ambedkar College, University of Delhi

Organizing Secretary:

Dr. Jitendra Kumar Nagar, Dr. Bhim Rao Ambedkar College, University of Delhi

Joint Organizing Secretaries:

- Ms. Sonam Dutta, Dr. Bhim Rao Ambedkar College, University of Delhi
- Dr. Pallavi Mittal, ITS Para Medical College, Ghaziabad, U.P.
- Dr. Hemlata Pant, CMP PG College, Univ. of Allahabad, U.P.

Advisory Committee:

- Prof. SVS Rana, Ex-Vice Chancellor, Bundelkhand University, Jhansi, U.P.
- Dr. Rakesh Kumar, Director, CSIR-NEERI, Nagpur, Maharashtra
- Prof. Mukesh Khare, Civil Engineering Department, IIT, Delhi
- Prof. B. R. Gurjar, Department of Civil & Env. Engineering, IIT, Roorkee, Uttrakhand
- Dr. S. K. Bartarya, Scientist 'G', Wadia Institute of Himalayan Geology, Dehradun
- Prof. R. B. Singh, Deptt. of Geography, Delhi School of Economics, University of Delhi and Secretary General of International Geographical Union
- Prof. Kaushal K Sharma, Jawaharlal Nehru University, Delhi
- Prof. Kafeel Ahmad, Civil Engineering Department, Jamia Milia Ismalia, Delhi
- Dr. Niraj Sharma, Sr. Principal Scientist, Env. Science Division, CSIR-CRRI, Delhi
- Prof. Tanu Jindal, Director, Amity Institute of Env. Sciences, Amity University, Noida
- Dr. Ajay Bhati, Director, School of Env. Affairs, Universidad Metropolitana, USA
- Dr. Suresh Deshwal, Head, Geography Dept., Govt. PG College, Ambala, Haryana
- Mr. Vipin Malhan, President, Noida Entrepreneurs Association, Noida
- Mr. Aditya Ghadiyal, President, Associations of Greater Noida Industries
- Mr. Bhoo Tyagi, President, Vishwa Mitra Pariwar, Delhi

Technical Review Committee:

- Prof. Ayyanadar Arunachalam, Principal Scientist, ICAR, Krishi Bhawan, New Delhi
- Prof. Sirajuddin Ahmed, Civil Engineering Department, Jamia Milia Ismalia, Delhi
- Dr. D.K. Pandeya, Dr. Bhim Rao Ambedkar College, University of Delhi
- Dr. R.P. Dwivedi, Dr. Bhim Rao Ambedkar College, University of Delhi
- Mrs. Pratibha Verma, Dr. Bhim Rao Ambedkar College, University of Delhi
- Dr. Nalin Kumar, Dr. Bhim Rao Ambedkar College, University of Delhi
- Dr. P.K. Singh, Dr. Bhim Rao Ambedkar College, University of Delhi
- Dr. Gyanendra Singh, MMH College, Ghaziabad
- Dr. A. K. Verma, Govt. P.G. College, Saidabad, Allahabad, U.P.
- Dr. Sanjay Kumar, Zakir Hussain Delhi College (Evening), University of Delhi
- Dr. Balaji Vikram, Deptt. of Horticulture, SHUATS, Allahabad
- Dr. Dhananjay Kumar, Dr. Bhim Rao Ambedkar College, University of Delhi
- Dr. Sunita Sharma, Dr. Bhim Rao Ambedkar College, University of Delhi
- Dr. Rajkumar Bidlan, Delhi Technological University, Delhi
- Dr. Kaviraj Singh, Managing Director, Earthood Services Pvt. Ltd., Gurgaon
- Dr. Arvind L. Chel, MGM's Jawaharlal Nehru Eng. College, Aurangabad, Maharashtra
- Dr. Usha Singh Gaharwar, School of Environmental Science, JNU, Delhi
- Dr. Tara Shankar, CSRD, School of Social Science, JNU, Delhi
- Mr. Rajendra Prasad Gangwar, Manager, EHS, UNO Minda, Gurgaon
- Mr. Susheel Nagar, Corporate EHS Head, Sunbeam Auto Pvt. Ltd. Gurgaon
- Mr. Ashok Kumar, Manager-Technical, URS Verification Pvt. Limited, Noida

Members of Organizing Committee (BRAC)

- Dr. Bishnu Mohan Dash, Dr. Bhim Rao Ambedkar College, University of Delhi
- Dr. Diljeet Kaur, Dr. Bhim Rao Ambedkar College, University of Delhi
- Dr. Ravindra Singh, Dr. Bhim Rao Ambedkar College, University of Delhi

- Dr. Purshottom, Dr. Bhim Rao Ambedkar College, University of Delhi
- Dr. Mohnish Kumar, Dr. Bhim Rao Ambedkar College, University of Delhi
- Dr. Vineet Kumar, Dr. Bhim Rao Ambedkar College, University of Delhi
- Dr. Kumar Satyam, Dr. Bhim Rao Ambedkar College, University of Delhi
- Dr. Kumar Manish, Dr. Bhim Rao Ambedkar College, University of Delhi
- Mr. Anil Kumar, Dr. Bhim Rao Ambedkar College, University of Delhi
- Mr. Yogesh K Murariya, Dr. Bhim Rao Ambedkar College, University of Delhi
- Dr. Rajbala Gautam, Dr. Bhim Rao Ambedkar College, University of Delhi
- Dr. C. M. Meena, Dr. Bhim Rao Ambedkar College, University of Delhi
- Mr. Mahesh Singh, Dr. Bhim Rao Ambedkar College, University of Delhi
- Ms. Neha Sharma, Dr. Bhim Rao Ambedkar College, University of Delhi
- Ms. Priyanka Saini, Dr. Bhim Rao Ambedkar College, University of Delhi
- Dr. Aiman Fatima, Dr. Bhim Rao Ambedkar College, University of Delhi
- Dr. Sakshi Vasudeva, Dr. Bhim Rao Ambedkar College, University of Delhi
- Dr. Vinod Kumar, Dr. Bhim Rao Ambedkar College, University of Delhi
- Mr. Sanjeev Kumar, Dr. Bhim Rao Ambedkar College, University of Delhi
- Dr. Upendra Kumar, Dr. Bhim Rao Ambedkar College, University of Delhi
- Dr. Krantideep Verma, Dr. Bhim Rao Ambedkar College, University of Delhi
- Dr. Binod Kumar, Dr. Bhim Rao Ambedkar College, University of Delhi
- Mr. Vinayak Ram, Dr. Bhim Rao Ambedkar College, University of Delhi

Members of Organizing Committee (ESDA, NEERI & NESI):

- Major Roop Singh Nagar, President Awardee & National Executive Officer, ESDA
- Dr. Savita Taneja, Joint Secretary, ESDA
- Dr. Milan Yadav, General Secretary, Delhi State, ESDA
- Dr. Sunil Gulia, CSIR-NEERI, Delhi Zonal Centre, Delhi
- Dr. Smita Aggarwal, CSIR-NEERI, Delhi Zonal Centre, Delhi
- Dr. Neelam Sharma, KIET, Muradnagar, Ghaziabad, U.P.
- Dr. Ram Chandra Singh, SMP Govt. Girls PG College, Meerut, U.P.
- Dr. Pradeep Kumar, SGN Govt. P.G. College, Mau, U.P.
- Dr. Manoj Kumar Singh, Kulbhaskar Ashram PG College, Allahabad
- Dr. Shashi Nagar, Vice President, U.P. State, ESDA
- Mr. Pradeep Verma, Vice President, U.P. State, ESDA
- Dr. Babu Lal Meena, Sri Aurobindo College, University of Delhi
- Dr. Himmat Singh Deora, Shivaji College, University of Delhi
- Ms. Garima Dubish, Central Pollution Control Board (CPCB), Delhi
- Dr. Sumit Pal, WTC, Indian Agricultural Research Institute, New Delhi
- Dr. Umesh Kumar, Deptt. of Chemistry, University of Delhi
- Mr. Jagat Singh, Vice President, Delhi State, ESDA
- Dr. Rajkumar, Vice President, Delhi State, ESDA
- Mr. Dharmendra Nagar, Vice President, Delhi State, ESDA
- Dr. Jaivendera Rawat, Vice President, Delhi State, ESDA
- Mr. Ravindra Kumar, Legal Officer, Noida Authority, Noida
- Dr. Pramod Kumar, Secretary, U.P. State, ESDA
- Ms. Swati Varshney, Indian Institute of Technology, Delhi

- Ms. Anchal Mall, Division of Genetics and Tree Propagation, FRI, Dehradun
- Dr. Stuti Verma, MHA, Amity University, Noida
- Mr. Kamal Singh, Vallabhbhai Patel Chest Institute, University of Delhi
- Mr. Gian Kashyap, National Environmental Science Academy, New Delhi
- Mr. Rakesh Kumar Roy, National Environmental Science Academy, New Delhi

About the Organizers:

Environmental and Social Development Association (ESDA), Delhi

Environment and Social Development Association (ESDA) is a non-government organization, registered on 23rd July, 2004 under Societies Registration Act-XXI of 1860 in Delhi. ESDA is a national based voluntary organization working for protection of environment and social development in 12 States of India with support of more than thousand volunteers. Its main aims and objectives include educating and creating awareness about environmental and social issues among young minds, students, researchers and general public; setting up regional and state chapters or executive committees to organize different academic, scientific and mass awareness activities such as National/International level conferences, symposia, seminars, workshops, meetings, Street Plays etc. on the themes of environmental concerns. ESDA is an open platform of people of the world who want to work as an Academician, Scientist, Activist, Volunteer, Member, Advisor and Sympathizer on environmental and social issues. Anyone from any part of the world may be a member of the Society (ESDA). Details of the activities and membership procedure of the society are given on www.esdaindia.org.

Dr. Bhim Rao Ambedkar College (BRAC), University of Delhi:

Dr. Bhim Rao Ambedkar College, a co-educational College of University of Delhi, was established in 1991 by GNCTD to cater to the needs of Higher Education in the Trans-Yamuna area of Delhi. The College with the total student strength of about 3100 (girl students in good number) runs a number of professional and honours courses in addition to B.Com and B.A. (Program). It also functions as one of the study centres for the School of Open Learning (SOL), Non-Collegiate Women's Education Board (NCWEB), University of Delhi and Rajiv Gandhi National Institute of Youth Development. Besides, the college has been designated as one of the WUS Centres to meet the healthcare needs of University and College Staff and students.

You will be happy to know that the College has been performing quite well during the last few years in academics, Sports and ECAs. Our students are also known for their contribution to the College development. Well-known for its infrastructure, Herbal and Rose Gardens, Open Gym and Student-friendly schemes, the College was also awarded the "Commendation Prize for Good Practices" in 2015, and accredited B⁺ by NAAC.

CSIR-National Environmental Engineering Research Institute (NEERI), Delhi:

National Environmental Engineering Research Institute (NEERI) is a constituent laboratory under Council of Scientific and Industrial Research (CSIR), New Delhi and has a nationwide presence with its five Zonal Centres located at Delhi, Mumbai, Chennai, Kolkata and Hyderabad with its Headquarters at Nagpur. CSIR-NEERI is devoted to research and innovations in Environmental Science and Engineering besides solving a range of environmental problems faced by the Industries and Public. CSIR-NEERI, Delhi Zonal Centre (DZC) established in 1959, is a supporting arm of CSIR-NEERI, with its Headquarters at Nagpur, for its activities in the Northern Region. Presently DZC has well-equipped laboratory with various

sophisticated instruments and expertise in various environmental fields. DZC is handling a number of Consultancy and R&D projects.

National Environmental Science Academy (NESA), Delhi:

This National level Academy, registered by the provisions of Societies Act XXI of 1860 under the Government of Bihar in 1988, was formed with an objective to bring awareness about the environment among the masses, and presently functions with its Headquarters at New Delhi. Its major aims and objectives include promotion of environmental sciences among young minds and researchers, setting up regional and state Chapters for dissemination of information on environment, to hold annual conference, to organize national/international level conferences, symposia, seminars, meetings and workshops on themes of environmental concerns and to publish policy papers, synthesis volumes, proceedings, journals, newsletter, transactions and other publications for the promotion of Environmental Sciences.

Call for Abstract and Full length Paper:

The participants are requested to send their abstracts and full length papers online to esdacon2018@gmail.com by 20th May 2018. The abstract should be within 250-300 words in English font 'Arial' with size of '12' and in Hindi Font 'Kruti Dev 10' with size of '14'. The abstracts will be released in 'e-Abstract Book' on 2nd June 2018 in the Inaugural Session of the Conference, while selected full length papers will be published freely in 'International Journal on Energy, Environment & Engineering' with conference proceedings in the July-August issue of the journal.

Poster Presentation:

We invite participants to present their posters during the conference. The poster should be related with the topic and sub themes of the Conference. Each participant will receive a certificate.

Conference Award:

The ESDA will confer some awards during the conference:

1. Best Oral Presentation Award
2. Best Poster Presentation Award

Important Dates:

Registration and Abstract Submission Starts:	20.04.2018
Abstract submission Deadline:	20.05.2018
Last Date of Registration without late payment:	25.05.2018
Full length paper submission Deadline:	25.05.2018

Language Use: Only English & Hindi

Accommodation:

The accommodation and transport etc. will be paid by the participants themselves. The organizing committee will guide/facilitate this process if contacted in advance. Details of nearby hotels are given on the Website: www.esdaindia.org

Conference Registration:

Category	Before 25 th May 2018	After 25 th May 2018 or at Spot Registration*
BRAC, ESDA, NEERI, NESI Faculties	Rs. 1000.00	Rs. 1500.00
Distinguished Faculties/Scientists	Rs. 1500.00	Rs. 2000.00
Research Scholars	Rs. 1000.00	Rs. 1500.00
Students (Graduate/PG)	Rs. 500.00	Rs. 700.00
Corporate Delegates	Rs. 2500.00	Rs. 3500.00
Special Offer (ESDA Membership and Conference Registration)	Rs. 2000.00	Rs. 2500.00

Note: Rs. 500/- extra for accompanying person

*Only DD/Cash will be accepted after 25th May 2018

Payment Details:

All Cheques/Demand Drafts should be sent to Conference Secretariat in favor of "ENVIRONMENT AND SOCIAL DEVELOPMENT ASSOCIATION" payable at NEW DELHI .
<i>In case of NEFT/Online Net Banking Transfer to ESDA Account, please mention the following:</i> Name of the Bank: State Bank of India Bank Branch: VP Chest Institute, University of Delhi, New Delhi-7, India Branch Code: 10435 Name of Account Holder: ENVIRONMENT AND SOCIAL DEVELOPMENT ASSOCIATION Account No.: 36502181569 IFSC Code: SBIN0010435

- Please send the filled up Registration form with Cheque/Demand Draft/Online payment details by speed post or courier to Conference Secretariat.
- You may also send the soft copy of the filled Registration form by email on esdacon2018@gmail.com with attachment of online fee submission details.
- Registration Form is given on the last page of the Brochure, or it may be downloaded from the ESDA website: www.esdaindia.org

Conference Secretariat:

Organizing Secretary

Dr. Jitendra Kumar Nagar

Assistant Professor, Environmental Science

Dr. Bhim Rao Ambedkar College, University of Delhi

Main Wazirabad Road, Yamuna Vihar, Delhi-110094

Mob: 9810086649; 8766318463

Email: esdacon2018@gmail.com jitendranagar79@gmail.com

Website: www.esdaindia.org www.nesa-india.org

Sponsorships:

We solicit Sponsorships from the Industries, Institutions and Trusts to support this valuable Conference on Environmental Challenges for 'New India' being held at Dr. Bhim Rao Ambedkar College, University of Delhi. Details can be had from the Organizing Secretary of the Conference.

Gold Sponsorship: Rs.75,000/- (With free registration of 6 delegates, One colored page advertisement in Abstract Book, Logo on Banner and one Stall during conference).

Silver Sponsorship: Rs.50,000/- (With free registration of 4 delegates, One colored page advertisement in Abstract Book, Logo on Banner and one Stall during conference).

Green Sponsorship: Rs.25,000/- (With free registration of 2 delegates, Half colored page advertisement in Abstract Book and one Stall during conference).

Special Sponsorship: Sponsor Lunch/Dinner during Conference around 300-400 participants or any specific items like Conference kit Begg, Diary, Pen, File Folders, Mementos, etc.

Only Stall: Rs.15,000/- (With free registration of 2 delegates).

A Certificate of Appreciation will be given to all the organizations making sponsorship in any of the above categories.

Advertisement in Abstract Book

Back Cover page:	Rs. 15,000 /- (Color A4 size)
Cover page (Front/Back Inside):	Rs. 10,000 /- (Color A4 size)
Inside Page:	Rs. 7, 500 /- (Color A4 size)
Inside Page:	Rs. 5, 000 /- (Color Half page size)

Note: *The Sponsorship/Advertisement payments should be made through Demand Draft/Cheque in favor of "ENVIRONMENT AND SOCIAL DEVELOPMENT ASSOCIATION" payable at New Delhi and sent to the Conference Secretariat.*

NATIONAL CONFERENCE
on
ENVIRONMENTAL CHALLENGES FOR 'NEW INDIA'
organized by
Environment and Social Development Association (ESDA), Delhi
in collaboration with
Dr. Bhim Rao Ambedkar College, University of Delhi
CSIR-National Environmental Engineering Research Institute, Delhi
National Environmental Science Academy, Delhi

On
2nd - 3rd June, 2018

Venue: Auditorium, Dr. Bhim Rao Ambedkar College, University of Delhi,
Main Wazirabad Road, Yamuna Vihar, Delhi-94

Registration Form

1. Name:.....
2. Designation:
3. Organization:.....
.....
4. Address for Correspondence:.....
.....
5. Mobile:.....; Emergency Mobile No.:.....
6. Email:.....
7. Title of the Abstract.....
.....
8. I would like to register in the Conference as: (Please tick)
 - BRAC, ESDA, NEERI, NESI Faculty
 - Distinguished Faculty/Scientist
 - Research Scholar
 - Corporate Delegate
 - Students (Graduate/PG)
 - Special Offer (ESDA Membership and Conference Registration)
9. Details of Registration Fee (DD/Cheque/Online/Cash)
Bank:..... DD/Cheque No.....
Date:..... Rs.....
Online payment details:.....
10. If accommodation is required: Yes/No..... Single/Double.....One day/Two day.....
11. Additional information, if any.....
.....

Signature: