

# Congratulations

**Mr. Rajendra Shende**

Chairman TERRE Policy Centre, Former Director UNEP



able development.

Shende is a graduate from Indian Institute of Technology-Bombay and worked in private sector before joining United Nations in Paris till 2011. He was coordinating lead author of the IPCC (Intergovernmental Panel on Climate Change) report of 2007, a co-winner of the Nobel Peace prize. He has won two awards from the US Environmental Protection Agency (EPA) for ozone layer protection and then climate protection. As an expert reviewer, he has also been associated with number of UN assessment reports, including the Science Assessment Panel of the World Meteorological organization in Geneva. Shende currently leads a not-for-profit think tank and action platform focused on energy and food security.

## President's Corner

“ *Diwali is derived from the Sanskrit fusion word Dipavali, formed from “dipa” meaning light or lamp and “avali” meaning line so “Dipavali” means a “series of lights”.*

*Diwali is one of the largest and brightest festivals in India. The festival spiritually signifies the victory of light over darkness, knowledge over ignorance, good over evil and hope over despair.*

**Wish you all very happy diwali and prosperous new year !**



**- Dr. Vinitaa Apte**  
President, TERRE

## Don't conquer Nature but conquer natural environment !

*"I bow my head in reverence to our ancestors for their sense of the beautiful in nature and for their foresight in investing beautiful manifestations of Nature with a religious significance."*

– Mahatma Gandhi.

Globalization as a new goal of economic interests may take some time it become a reality but there is no denying the fact that the environment we all cherish is but one, more than global it is related to the whole cosmic system. In the name of conquering nature and milking its resources for narrow greed we should not forget the power of nature which ones agitated can destroy the whole globe and its related life source in no time. At that point of time no efforts to pacify it may succeed.

The question of environment has become synonymous of whether we wish to survive or not? The real tragedy of the situation is that the efforts in the name of environment protection



most fall prey to the basic direction of the present growth. They simply think in terms of minimizing the damage already done or try to react on some action already performed. In this some time they succeed in stopping a thing but most of the time fails due to the general attitude of development. Their pleas and movements seem to be retrograde and out of tune of the current beneficial trend. It is because they operate in the same framework of the ruling system without having a total break from it and basing themselves on an alternative sound philosophic or spiritual base.

In this context, Ancient Indian approaches to environment present a deep humane attitude towards nature and environment.

This attitude was developed after centuries of observation and study of nature and its functions. This was given a totality in relativity and ultimately a spiritual meaning and status not to be violated at any cost. This is surprising that ancient Indian religious books, philosophy, literature and practical life recordings in the form of mythology, rituals and folk memory, all have detailed and elaborative description on this question. This approach can provide us a correct attitudes and base in present grim scenario and if assimilated can become a new base for relationship between man and nature.

This goes without saying that in the present circumstances of rapid economic development even Indian society is forgetting its glorious traditions of a healthy attitude towards environment and nature.

Lately the changed life style commensurate with the global economic forces have been

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changing our age old basic attitude towards nature and adversely effecting the harmonious relations between man and man, man and other living beings, man and nature and ultimately within man itself. On the one hand the outer or material quality of life seem to be becoming prosperous but underneath the real quality of life and the health of the environment is degrading fast. Our houses, buildings, towns and cities are being planned and build in such a way that we gradually move away from nature.

It can be assumed that the development is taking for the first time in human history. This was with nature in a new form. Only today we are becoming quite careless to these basic premises. An attitude of plunder and one sided exploitation is taking deep roots and a kind of heroic and egoistic satisfaction of conquering nature becoming the rule of the day.

- **Dr. Vinitaa Apte**

President, TERRE

## Earth Care Awards': Jury Meeting



*ECA, Jury meeting under guidance of Dr. Raghunath Mashelkar as chairperson*

Earth Care Awards (ECA), a JSW Times of India award in collaboration with Centre of Environment Education (CEE) as knowledge partner and TERRE Policy centre as an outreach partner is held every year since 2008. It successfully attempts to identify and brings forth the excellent measures that various organizations are taking towards the environment welfare. This year is the 7th edition of ECA and the theme is 'Smart city'. The pre jury meeting was conducted on 13th and 14th October, 2016. This aimed at shortlisting the applications on the basis of the field visits by CEE and TERRE Policy Centre. Short films and presentations were pre-

pared for the analysis. Constructive suggestions were concluded regarding the data and reports to strengthen the execution of the applications. Having done that, pre jury team met on 21st October, 2016 under the guidance of Mr. Rajendra Shende and one of the jury Mrs. Aneeta Gokhale-Benninger. The final jury meeting was organized on 22nd October, 2016. It was an honor to have Dr. R A Mashelkar, Dr. Vani and Mrs. Aneeta, where they decided the deserving awardees. We are indeed excited for the award event on 25th November, 2016 and witness the winners being recognized.

### Pune Book Fair



TERRE's Exhibitory Stall at 15th Pune Book Fair

TERRE had participated in 15th Pune Book Fair which was a 5 days Book Exhibition. TERRE have prepared study material and knowledge based games to spread the environmental awareness amongst the students.

TERRE had presented 'Snake and Ladder', 'Green cards' and 'Crossword puzzles' in the exhibition. The motive behind these games is 'education through entertainment'. These games are designed in such a manner that

students can acquire knowledge while playing the games. Also TERRE had exhibited 'Environmental Education Kit' which is helpful for curriculum of students, 'Quiz Book' which includes more than 500 multiple choice questions regarding environment and 'Practical Book' which includes several practicals which students can do at home. A great and curious response was received by visitors during the exhibition.

Which of the following Indian States/UT has the maximum percentage of mangrove cover in the country?

- A. Gujarat
- B. West Bengal
- C. Andaman & Nicobar
- D. Orissa

If you know the answer, send in your entry to us at [info@terrepolicycentre.com](mailto:info@terrepolicycentre.com)

**WINNER OF LAST MONTH'S QUIZ**

H.V. Paranjape  
(hvparanjape@gmail.com)

### NUMBER OF MONTH

1

*Climate Change Could Drive 1 In 6 Species To Extinction By 2100*

referece : <https://www.science-daily.com/videos/9e939d8bdd6a6d0e4bf42c070b0daf2.htm>



**This upcoming Children's Day TERRE aims to Educate & Aware our future generation towards the Environment as it is needed for humans sustainable future survival.**

### NEWS NETWORK



#### Discovery of Carbon Storage Signaling Mechanism in Algae Offers New Potential for Sustainable Biofuel Production

James Umen, Ph.D., associate member at Donald Danforth Plant Science Center, and colleagues have discovered a way to make algae better oil producers without sacrificing growth.

<http://www.enn.com/energy/article/50067>



#### Extraterrestrial impact preceded ancient global warming event

A comet strike may have triggered the Paleocene-Eocene Thermal Maximum (PETM), a rapid warming of Earth caused by an accumulation of atmospheric carbon dioxide 56 million years ago, which offers analogs to global warming today.

<https://www.sciencedaily.com/releases/2016/10/161013141210.htm>



#### Biodiversity loss in forests will be pricey

A new global assessment of forests -- perhaps the largest terrestrial repositories of biodiversity -- suggests that, on average, a 10% loss in biodiversity leads to a 2 to 3% loss in the productivity, including biomass, that forests can offer.

<https://www.sciencedaily.com/releases/2016/10/161013152700.htm>

### Plant Adoption Activity



*Bhagwat family immersing bones and adopting plant in the memory of*

*Lt. Mr. Laxman Govind Bhagwat*

Smritivan, once a bare land area now has become an Urban Forest, is a place developed by TERRE Policy Centre in association with Forest Department. There is a facility that people can adopt tree and name it after something.

Likewise, in this month, there were 4 banyan plant adoption activities done by Dr. Sadanand Kulkarni in the memory of their mother, father and aunt and by Dr. Jayant Ganu in the memory of his brother. One Kanchan Plant

adoption as well as Bone immersion activity was done by Suneeta Karandikar in the memory of her father Lt. Mr. Laxman Govind Bhagwat. According to Hindu rituals, after the death of a person, the bones are to be immersed in the water. But it is better to immerse them in the roots of plant instead of water which causes water pollution. People are becoming aware about the activity and TERRE is getting increasing response day by day.



PEOPLE

FOOD

PLANET

IMPACTS OF CLIMATE CHANGE ENERGY DEMAND LAND USE EFFICIENCY BIODIVERSITY AGRICULTURAL MITIGATION POTENTIAL

## IMPACTS OF CLIMATE CHANGE

By **2030**, nine out of 10 of the major crops will experience reduced or stagnant growth rates, while average prices will increase dramatically as a result, at least in part, due to climate change.



MAIZE

12%

GROTH RATE  
DECREASE

90%

PRICE  
INCREASE



RICE

23%

GROTH RATE  
DECREASE

89%

PRICE  
INCREASE



WHEAT

13%

GROTH RATE  
DECREASE

75%

PRICE  
INCREASE



OTHER CROPS

8%

GROTH RATE  
DECREASE

83%

PRICE  
INCREASE



Happy

**DIWALI**

This Diwali, may your mind get obsessed towards nature rather than crackers..!! Lets seek blessings from our mother nature too.. Have a **Green** and **Safe Diwali**..!!

