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AKHIL BHARATIYA MARATHA SHIKSHAN PARISHAD'S  
**ANANTRAO PAWAR COLLEGE OF ARCHITECTURE, PUNE**

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Akhil Bhartiya Maratha Shikshan Parishad's  
**ANANTRAO PAWAR COLLEGE  
OF ARCHITECTURE**

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Approved by Council  
of Architecture, New Delhi.

Affiliated to Savitribai Phule  
Pune University, Pune.



**HON. UDAY SAMANT**

Minister of Higher &  
Technical Education,  
Maharashtra.

**- CHIEF GUEST**

'New Challenges in  
Research - Present  
Scenario'

**ONLINE  
NATIONAL RESEARCH CONFERENCE**

'ARCHITECTURAL EDUCATION  
AND RESEARCH - 2021'

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**THEMES:**

- Environment & Sustainable Development.
- Online Teaching & Learning Process in COVID 19.
- New Challenges in Architectural Profession.
- Architects Role in Social Development.
- Climate Change with Reference to Global Setting.
- Agro Based Infrastructure & Architecture.

Inauguration Session: **18<sup>th</sup> June, Friday 2021.**  
10.30 am to 12.00 noon



Indian Institute of Management Calcutta,  
West Bengal, India.



National Ceremonial Plaza Thimphu,  
Bhutan.

**Ar. CHRISTOPHER  
CHARLES BENNINGER**

Principal Architect,  
CCBA, Pune.

**- KEY NOTE SPEAKER**

'Education And Social  
Responsibility of Architects'

"We must understand that our talents  
& our wealth are only loaned to us,  
in trusteeship to use toward  
the greater good."



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Registration mandatory for attending

Inaugural Function Through Live Streaming : <https://forms.gle/Pk8NfCAygeEqyN7R9>

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## **Landscape planning for climate change**

**Author:** Ar. Neha Vrijkishor Masalekar

# **Role of Landscape Planning for climate change – A response to Pune’s Urban environment.**

Ar. Neha Vrijkishor Masalekar

Master’s in landscape department, Smt. Kashibai Navale College of Architecture, Pune

## **Abstract**

Climate change is phenomenon that is being discussed by citizens of this planet and they are coming forward with their thoughts and solutions, irrespective of their age, language and nationality barriers. Professional from various disciplines connected with this topic and architects in particular need to look at this phenomenon and challenges caused by it. This paper tried to explore concerns and opportunities to create climate responsive approaches towards landscape planning and designing in Pune’s urban cluster. Analytical research method has helped author to draw inferences and strategies by using secondary data collected from books, research paper, articles etc. The study emphasis on understanding and analyzing Pune’s urban environment with respect to five inter-related elements – Air, land, water, vegetation, and manmade built component of Pune’s infrastructure. Study put forth the climate responsive strategies using various landscape intervention at urban level.

**Keywords:** Climate change, Landscape planning strategies, Landscape design, Urban environment

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## **1. INTRODUCTION**

Climate change is affecting daily life of humans, flora, and fauna of every corner of planet, simultaneously showing its ill effects on other elements of environment. Despite some efforts by states, organizations, and cities to check global warming, the global temperature is rising gradually. According to the World Meteorological Organization temperature of our planet in the year 2020 was almost 1c higher than what is used to be

in 1850-1900. If this rise continues the changes are that it may rise by 3 c by 2100. The IPCC report states though look very little, but it shall be having very dangerous effects changes **Error! Reference source not found.** . Sea levels are going rise, ocean temperatures and acidity is going to increase and mostly there shall be very less or near to zero yield of crops like rice, maize, and wheat. Thus,

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