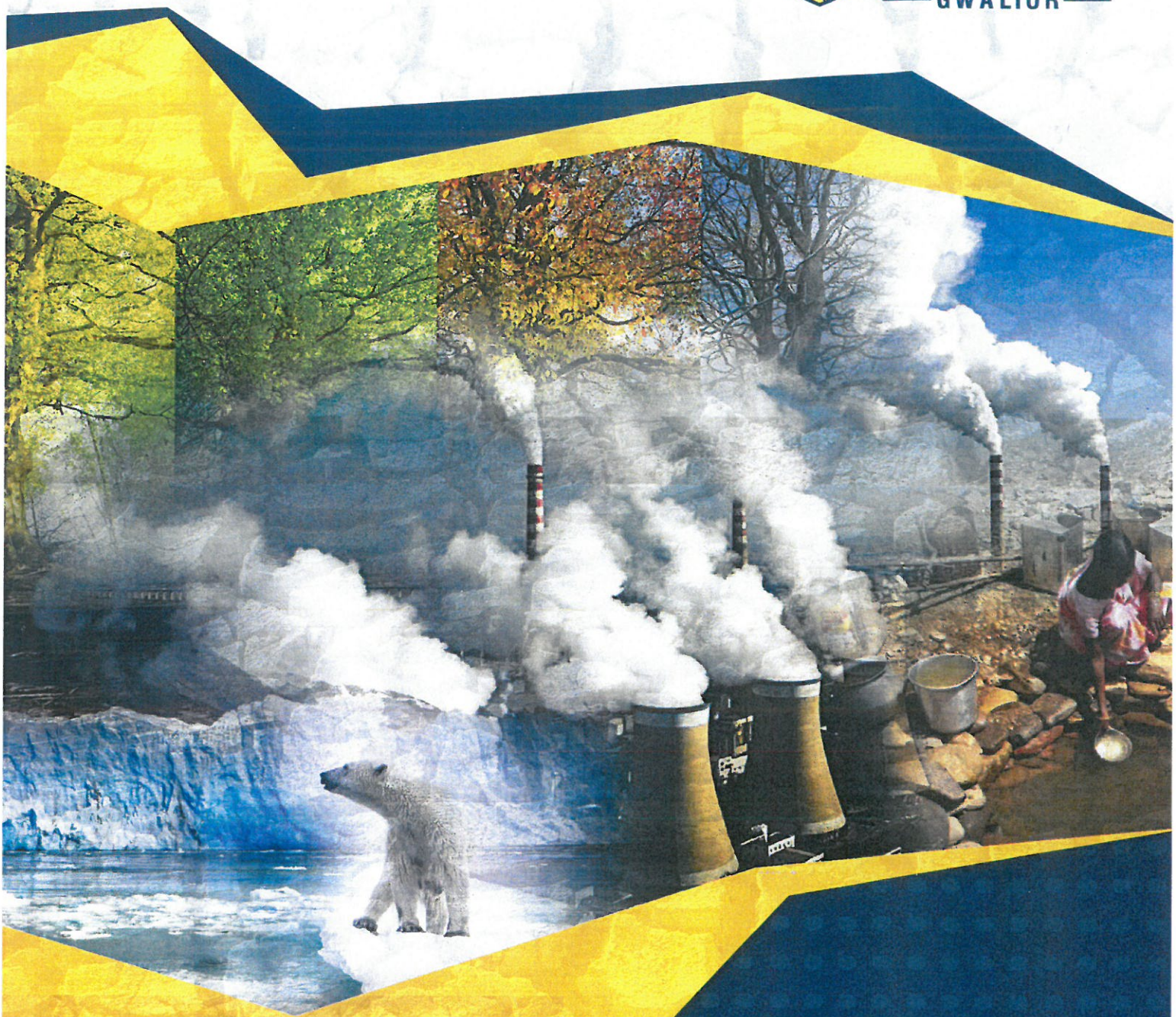
AMITY UNIVERSITY
GWALIOR



ICSDCC-2020

International Conference on

SUSTAINABLE DEVELOPMENT & CLIMATE CHANGE

FEBRUARY 10 - 11, 2020

Gwalior, Madhya Pradesh, India

Organized by:
Department of Environmental Science
Amity University Madhya Pradesh,
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International ConferenCe on

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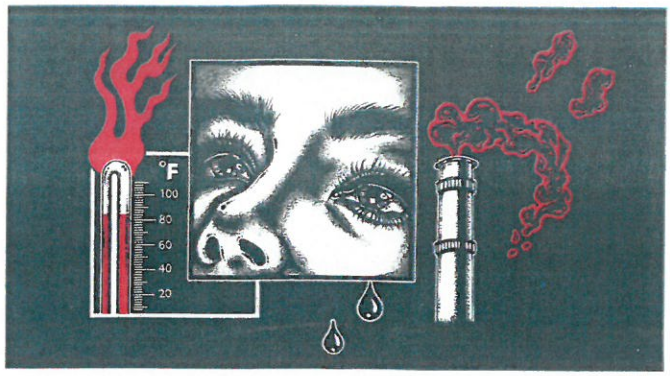

AMITY UNIVERSITY MADHYA PRADESH

Amity University Madhya Pradesh was established by Ritnand Balved Education Foundation (RBEF) vide Madhya Pradesh Government Legislature Act of 2010 with the view to promote professional, industry-oriented education in the state of Madhya Pradesh. Amity University Madhya Pradesh, Gwalior located on a sprawling campus of 102 acres of land opposite Gwalior Airport, imparts modern, practical and research-oriented courses which will lead to the development of professionals who are employable and industry ready. This in turn will drive the socio-economic upliftment of the region.

Amity imparts education in almost all areas including management, engineering, architecture, biotechnology, law, communication, behavioral science, ne arts, fashion etc. Amity University Madhya Pradesh was adjudged the "Best Private University of Madhya Pradesh" by CMAI Association of India and has been accredited as "Premier University" by Accreditation Service for International Colleges (ASIC).

ABOUT INTERNATIONAL CONFERENCE

Sustainable development re ects that growth which is environmentally sound, socially inclusive, and technologically smart to build shared prosperity for all sections of the population. It should also meet the needs of future generations. The 2030 Agenda for Sustainable Development was adopted at the United Nations Sustainable Development Summit on 25th September 2015, which includes a set of 17 Sustainable Development Goals (SDGs) with 169 targets to end poverty, ght inequality and injustice, and tackle climate change by 2030. Science, Technology & Innovation (STI) has a direct or indirect bearing in the implementation of almost all these Goals and to achieve the targets thereof. The Goal 7 is to ensure access to affordable, reliable, sustainable, and modern energy for all which is proposed to be achieved by increasing substantially the share of renewable energy; doubling the global rate of improvement in energy e ciency; advanced and cleaner fossil fuel technologies; and expanding infrastructure and upgrading technology for supplying modern and sustainable energy services and international cooperation to facilitate access to clean energy research and technologies. Further the Goal 13 calls for urgent action to combat climate change and its impacts and strengthen resilience and capacity for climate change mitigation, adaptation, impact reduction

Secondly climate change is a phenomenon which is triggered by the change in average temperature of the earth. The factors which are generally held responsible for this change are emission of greenhouse gases like carbon dioxide, methane, nitrous oxide, chloro uorocarbons and water vapors. Although climate change is not a new concept as the climate of the earth has changed many times throughout geological history. But this time humans have increased the pace of climate change by adding tremendous amount of carbon dioxides and greenhouse gases in the atmosphere especially after the beginning of industrial revolution. This also resulted in to depletion of natural resources, loss of biodiversity, water and energy crisis and emergence of new diseases. Therefore, there is an urgent need to develop cost-effective, affordable, socially & culturally acceptable technologies and strategies to conserve natural resources and to reduce the carbon footprints. Some of the good examples of such technological development include carbon capture and storage systems, more e cient irrigation methods, essential medicines, household water puri cation devices, and manufacturing processes that minimize waste and pollution.

Even if the concentration of green house gases were to be stabilized at current levels, the impact of climate change would continue for several decades making adaptation to climate change an essential part of policy framework. Options in energy sector would require consistent assessment and regulation. Cost-effective, energy e ciency, energy conservation measures, development of clean energy technologies, generate large bene ts in terms of reducing carbon emissions. Energy is prime mover of economic growth and necessary component of sustainable development; low carbon sustainable transport and energy e cient housing strategy is necessary.

Public awareness on climate change has grown immensely. Vulnerability to climate change has strong linkage with poverty and has the potential to create multiple stresses. It poses major threat to achievements of Millennium Development Goals and thus development planning strategies need to consider the risks associated with climate change. It is critical to understand anticipated climate change pattern in order to have appropriate adaptation and mitigation measures. It is imperative to identify measures that promote development objectives, while also addressing climate change effects yielding co-bene ts.

Climate change will impact food production due to elevated CO_2 in atmosphere, high temperature, altered precipitation and increased droughts and oods. There is signi cant focus worldwide on identifying the current impacts of climate change on biodiversity and over the last 35 years numerous shifts in the distribution and abundance of species has occurred.

Changing temperature and precipitation pattern and increasing concentration of CO_2 in atmosphere are likely to result in signi cant modi cation in natural and modi ed forests. Climate change poses a wide range of risks to population health.

Gender dimensions of the climate change have been largely neglected. There is urgent need to integrate gender issues into public policy making, and in adaptation response to climate change.

IMPORTANT DATES

Last date for submission of abstract: 25th January 2020
Last date for advance registration: 27th January 2020
Last date for submission of full paper: 30th January 2020

OBJECTIVE OF THE CONFERENCE

To discuss the current perspectives of sustainable development in developed and developing economies.

To provide a platform to technocrats, experts and academicians for presenting their innovative and constructive ideas at international level.

To create innovative technologies and reorienting existing technologies for sustainable development and discuss future solutions for designing of green, smart and safer environment.

To generate research and disseminate knowledge about sustainable development.

The Conference will examine evidences and causes of climate change (natural and anthropogenic)

Impact of climate change on humans and ecosystems

Mitigation of climate change through technological, social, ethical and political responses

Strategies for adaptation to climate change

SCOPE OF CONFERENCE

Sustainability: Sustainable development and planning
Green Technologies for safe & smart world
Science and Technology in Environmental Management
Biotechnology in environment management
Natural Resources & Climate Change
Conservation and management of natural resources
Climate Change adaptation & Mitigation
Gender perspectives & climate change
Environmental education
Sustainable Agriculture & Food Security
Energy conservation
Environment modeling analysis and simulation
Environmental impact assessement
Smart architecture and Green buildings
Biodiversity conservation
Wasteland development

CALL FOR PAPERS AND POSTERS

The participants for the conference are invited to submit paper for oral or poster presentation. Kindly submit one-page abstract printed on an A4 size paper (1.5 spacing using Microsoft Time New Roman, 12 font size) of your proposed presentation to the organizing secretary, not later than 25th of January 2020 and the full paper of same latest by 30thth January 2020.

The abstract be sent as an e-mail word attachment to kdwivedi@gwa.amity.edu, organizing secretary of the conference. Participants will be informed within ve days of receipt of abstract. Abstracts of all papers accepted for oral and poster presentations will be printed in the conference souvenir. Full papers will be published in the form of proceedings with ISBN number.

POSTER PRESENTATION

Poster boards will be provided for poster presentation. Each poster will be allotted a board space measuring 120x150 cm (48"x60"). Drawing pins or thumb tags will be provided. All poster presentations will be in English. Handwritten posters will not be accepted. The text should be rendered with a su ciently large font to be legible from 1-2 meter. Graphs, tables, gures, photographs or maps may be used within the limits of the board space allocated.

ABOUT GWALIOR

Gwalior is a historical city in the heart of India, situated in the State of Madhya Pradesh, 120 Km from Agra (The city of Taj Mahal) and 317 Km from Delhi. It is well connected with Delhi, Bhopal, Mumbai, Bangalore and Hyderabad by train and road, and by air from Delhi and Mumbai.

The city is known as "The city of Music", the legendary musician Tansen belonged to Gwalior and was recognized as one the nine jewels of Emperor Akbar's court. The city has the richest musical tradition among all the cities in this great country.

Most famous and memorable landmarks include Gwalior Fort, the living palace of Scindia's, Jai Vilas Palace, the Tomb of the famous musician Tansen and museums.

CLIMATE OF GWALIOR

The climate of Gwalior is sub-tropical, and the rainy season ends by middle of September. In the 1st & 2nd week of February the ambient microclimate of Gwalior is ne and moderate, maximum temperature will be 35°C and minimum temperature will be 20°C.

ACCOMODATION

Gwalior has number of hotels with tariff ranging from INR 1000/- to INR 5500/-. Hotels are located within a radius of about 10 Km from Amity University campus. Those who are desirous of hotel accommodation are requested to inform the organizers well in advance.

REGISTERATION FEE

	Indian	Foreign
Delegates from Industries	INR 3000/-	US $ 100
Delegates from Academics	INR 1500/-	US $ 50
Students*	INR 700/-	US $ 25

* to submit bona de certi cate from the Head of the Department/ Institution

(Registration fees covers conference papers, souvenir, lunches, refreshments). Registration fees can be paid through a Demand Draft drawn in favour of Amity University payable at Gwalior, India. Cancellation of registration is not permitted. Registration form can be downloaded from website (www.amity.edu).

Online payment can be made by Bank Transfer
Bank Name: Axis Bank Limited
Branch: Kanwal complex Shrimant Madhav Rao Scindia Marg, City Centre, Gwalior, M.P. 474002
IFSC Code- UTIB0000158
MICR Code- 474211002
Account Name: Amity University Madhya Pradesh
Account No.: 911010033371991

Payment by Demand Draft
The Demand Draft should be drawn in favour of 'Amity University Madhya Pradesh' payable at Gwalior.

SPONSORSHIPS

Academic Institutions and Leading Industries are invited to sponsor this major event and bene t from the conference. Sponsorship tariff are given below:

CATEGORY

Sponsors	Indian	Foreign
Industries	INR 1,00,000/-	US $ 6000
Academic Institutions	INR 50,000/-	US $ 3000

A sponsor can nominate four delegates free of charge along with strategically visible publicity. All payments related to sponsorship can be made through a Demand Draft drawn in favor of Amity University payable at Gwalior, India.

SOUVENIR

A souvenir will be brought out at the time of conference highlighting the themes, keynotes lectures, messages and advertisements. A copy will be given to all registered participants free of charge. Persons interested in participating in International Conference are advised to keep in touch with the regular updates of the conference (www.amity.edu).

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INTERNATIONAL CONFERENCE

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