

**ICER-18**  
**9<sup>th</sup> International Congress of**  
**Environmental Research**  
**08-10 February, 2018**

*Organised by*

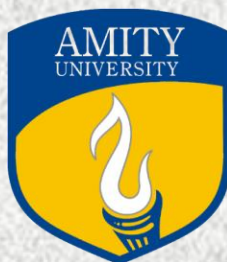


**Journal of Environmental Research and Development**  
*An International, Inter-disciplinary Research Journal of Natural  
Sciences, Technology, Social Sciences, Law and Management for  
Environment*

*Under aegis of*

**Global Earth Society for Environmental Energy  
and Development**

*in association with*



**Amity University Madhya Pradesh, Gwalior, India**

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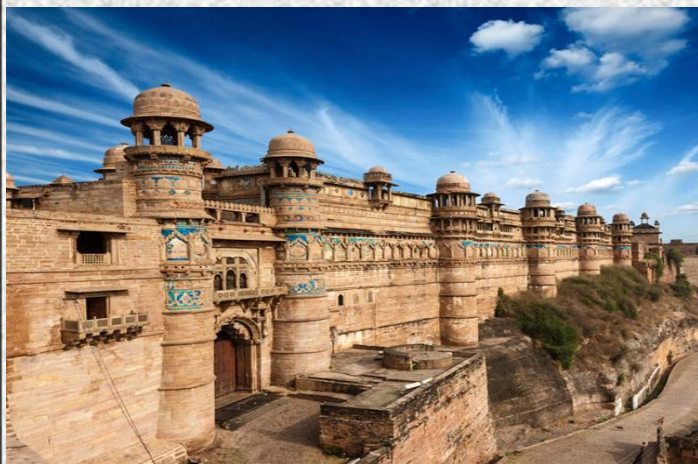


# About Gwalior

Situated in the state of Madhya Pradesh, the cradle of great dynasties ruled the city Gwalior from the great Rajput clans of the Pratihars, Kachwahas and Tomars to Scindias who have left ineffaceable marks of their rule in this city of palaces, temples monuments and majestic fort.

The Gwalior fort is described as the 'pearl in the necklace of the castles of Hind'. Gwalior is famous for its contribution to classical music and known for Gwalior Gharana.

Gwalior is a city of tourist attraction. It forms a part of the Heritage Tourism belt and is located at a distance of only 120 km by road from **TAJ MAHAL (AGRA), one of the seven wonders of the world**. The magnificent mementoes of a glorious past have been preserved with care, giving Gwalior a unique and timeless appeal.



## Climate of Gwalior

The climate of Gwalior is very pleasant during the month of February and temperature ranges between 15-22°C.



# **The Congress**

JERAD & AUMP are happy to announce the 9<sup>th</sup> International Congress on Environmental Research (ICER-18). The Congress not only provides a venue for researchers from India, but also for world-wide researchers and those interested in learning about the energy and sustainable development. ICER-18 is a multi-disciplinary, peer-reviewed international congress which will focus on energy production and management, green energy, environmental engineering, environmental management, climate change and sustainable development. The congress will provide a forum to:

- Exchange latest technical information
- Disseminate the high-quality research results
- Present the new developments in the area
- Discuss the future global development on energy access, energy security together with the associated environmental impacts.

Participating universities, enterprises and research organisations will be able to discuss their work and projects and to distribute the relevant information dealing with issues of strategic value in reviewing the state of art in energy and environment to the participants. The presentations will be the backbone of the event and will allow close, one-to-one contacts between the participants and the speakers.

The congress aims at providing a forum for accessing up-to-date and professional knowledge in Environment, Energy and Sustainability. Researchers, academicians and socialists are invited to submit their contributions to ICER-18.



# **About 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, fashion etc.

Amity University Madhya Pradesh was adjudged the “Best Private University of Madhya Pradesh” by CMAI Association of India in 2014 and by Digital India and India Today in 2017 and an “Excellent Higher Education University of India” by CMAI Association of India again in 2017. It has also been accredited as “Premier University” by Accreditation Service for International Colleges (ASIC), UK.

## **Amity Institute of Biotechnology**

Amity Institute of Biotechnology was established in AUMP campus in 2011 with an obvious and clear objective to enlighten and enable students in the field of Biotechnology. The Institute is dedicated to nurture and prepare students for research in different areas of Biotechnology and its allied sectors. Students are being placed in various national universities and research laboratories for their internship. The Institute offers courses of B.Tech, B.Sc.(H), M.Sc., M.Tech. and Ph.D. in Biotechnology.





# Call For Papers

Contributory Full Length Research Papers, Review Papers and Poster Abstracts related to Physical Sciences, Life Sciences, Technology, Social Sciences, Environmental Law and Management will be read, presented and discussed. Therefore, abstracts of research work should be sent to the organizing committee on or before **15<sup>th</sup> December 17**. Abstract(s) should not be more than 1 page (A4) containing title, name of author(s), name of the institution/organization, keywords (at least five) typed in double space on A4 size (210 mm x 297 mm) in MS word. On the registration form, the author should indicate their preference for oral or poster presentation. However the scientific committee reserves the right to select it as a poster or oral presentation as considered to be best suited. Moreover a declaration form to prove the authenticity of research article should also be sent along with the Abstract / Full length paper. Format of declaration form can be obtained directly from the website of JERAD. Accepted abstracts will be published in the Special Conference edition **ICER-18 with ISBN No.**

## Sub-headings of Research Paper

Full length papers (not more than 14 typed pages in A4 size) must be divided into following sub-headings Title, Author(s) Name with official Address, Abstract, Key Words (at least five), Introduction/ Hypothesis, Aims and Objectives, Material and Methods / Methodology, Results and Discussion, Conclusion and/ Recommendations, Acknowledgement (if any) and References. Furthermore, references should be numbered sequentially as 1, 2, 3, etc. in order of their citation in the text.



The paper must include reference of last five years only including last two years references of JERAD. The format of references must be as under:

Surname and initials followed by title, name of journal in abbreviated form in italics, volume number in bold with issue number in bracket, page number and year of publication in bold and in bracket, e.g.: OK- Hyun Park and Jorge Herkovits, Environmental degradation due to accumulation of particulates, J. Environ. Res. Develop.,11 (2), 411-418,(2016)

Valero A., Serra L. and Uche J., Fundamentals of energy cost accounting and thermoeconomics,J. Ene. Res. Tech.,128 (01), 1-15,(2017).

### **Publication of Papers**

Full length papers/Review papers (obtained for Oral or Poster presentation), selected by the screening committee will be published in the Journal of Environmental Research and Development. At least one author for each paper should get registered for congress. Even if you do not wish to present the paper, you can attend the congress after registration.

### **Mode of Submission of Abstracts and Research Papers**

All sort of Research Articles (Papers or Abstracts) must be submitted electronically via E-mail to [icer18.jerad@gmail.com](mailto:icer18.jerad@gmail.com) and cc to [rstomar@amity.edu](mailto:rstomar@amity.edu) in the format mentioned above.

**No research article will be entertained through surface mail or air mail in hard copy or soft copy (CD).** It is mandatory to mention E-mail on your research article, as all correspondence will be performed through email only.



# **Themes**

## **Energy, Environment and Sustainable Development**

The congress will cover following topics but not limited to Energy, Environment and Sustainable Development.

### **Life Sciences (LS)**

Bio-Technology and Microbiology

Environmental Sciences

Agriculture and Forest Science

Conservation of Biological resources

Health and environment

Researches in the field of Zoology, Botany, Bio-Chemistry and Medical Sciences.

### **Technology (T)**

Renewable energy and Environmental remediation

Water and Air purification

Sewage and Effluent Treatment

Energy Policies: Global and Environmental Perspective

Energy Efficient Systems

Green Technologies and Sustainable Development

Nano Science

Application of Artificial Intelligence in Energy Systems

Emerging Trends in Waste Management Technologies

Facility Location in Environmental Context

Environmental Supply Chain Management

Bio-informatics and Chemo-Informatics

Information Technology and Environmental Concern

Researches in the field of Environmental, Chemical, Civil & Mechanical engineering

### **Social Sciences (SS-I)**

Environmental Tourism

Environmental Accounting



Energy Economics

Community Participation in environmental protection.

Development Environment

Development Journalism and Role of Media in Environmental protection.

Role of NGOs in the protection of environment

Natural disaster and manmade disaster

The human factor of environmental emergencies

War and Environment

Food Nutrition and dietetics in the protection of environment.

Researches in the field of Sociology, Economics, Political Science, Psychology, Geography, Commerce, Dance, Philosophy, History and Languages concerning with environment.

## **Law and Management (SS-II)**

Law and Environment

Role of management in Environmental Protection

Biodiversity, mapping and management

Waste management

Management of manmade disasters and natural disasters

The human factor of environmental emergencies

Researches in the field of law and management concerning with environment

Environmental planning and management

## **Physical Sciences (PS)**

Ocean Science, Earth Science and Environmental Science

Marine Science and Industrial-drug science

Toxicology and sustenance of life

Petrochemical and Polymer Science

Water (Surface and underground) pollution, air pollution



# Important Dates

<b>Last Date for abstract submission</b>	<b>15<sup>th</sup> December '17</b>
<b>Notification of Acceptance</b>	<b>20<sup>th</sup> December '17</b>
<b>Last Date for Full Length Paper Submission</b>	<b>30<sup>th</sup> December '17</b>
<b>Last Date for Registration</b>	<b>31<sup>st</sup> December '17</b>

## Registration

### Congress Registration Fee (Indian participants)

<b>Category</b>	<b>Before 31<sup>st</sup> December'17</b>	<b>After 31<sup>st</sup> December'17</b>	<b>Spot Registration Fee</b>
<b>Delegates</b>	₹ 3000/-	₹ 3500/-	₹ 4000/-
<b>Research Scholars/Students</b>	₹ 1500/-	₹ 2000/-	₹ 2500/-
<b>Accompanying Person</b>	₹ 1500/-	₹ 2000/-	₹ 2500/-

### Congress Registration Fee (Foreign participants)

<b>Category</b>	<b>Before 31<sup>st</sup> December'17</b>	<b>After 31<sup>st</sup> December'17</b>	<b>Spot Registration Fee</b>
<b>Delegates</b>	US \$100	US \$ 125	US \$ 150
<b>Research Scholars/Students</b>	US \$ 50	US \$ 75	US \$ 100
<b>Accompanying Person</b>	US \$ 50	US \$ 75	US \$ 100



# Mode of Payment

By Online Payment/E-money Transfer/Western Union Money Transfer/Bank Demand Draft /At par Cheque. Payment should be sent to Bhopal (India) office in favour of G.SEED detail of transfer process is as follows :

<b>A/c Name</b>	<b>G.SEED (Global earth Society for Environmental Energy and Development)</b>
<b>A/c No.</b>	<b>30687857324</b>
<b>Swift Code</b>	<b>SBININBB268</b>
<b>Branch Code</b>	<b>01308</b>
<b>IFS Code</b>	<b>SBIN0001308</b>
<b>Branch Address</b>	<b>State Bank of India, TT Nagar Main Branch, Bhopal (India)</b>
<b>Telephone no. of receiver</b>	<b>+91-755-4222030</b>

**Participants from Iran (while through E-money transfer) are advised not to send money through US\$. They should send their money in equivalent Euro only.** However, they can opt other mode of payments. Detail required for **Western Union Money Transfer Services** is as follows :

<b>Full Name of Receiver</b>	<b>Abhay Kumar Sharma</b>
<b>First Name</b>	<b>Abhay Kumar</b>
<b>Last Name</b>	<b>Sharma</b>
<b>Full Address (including City, Street &amp; Postal Code)</b>	<b>HIG-1/8, Shivani Complex, 6 No. Stop, Shivaji Nagar, Bhopal - 462016 (India)</b>
<b>Telephone no. of receiver</b>	<b>+91-755-4222030</b>
<b>Mobile No.</b>	<b>+917869667713</b>



# Awards

The Organizing committee of ICER-18 has decided to give two kinds of prestigious awards to their participants. These awards will be given at the valedictory function of ICER-18. **No Separate entry fee will be charged from the participants.**

## **1. Young Scientist Awards (Five)**

Five prestigious awards will be given to young Researchers/ Environmentalists for their Best Oral presentation, one each in discipline of Tech (Technology), LS (Life Sciences), PS (Physical Sciences), SS-I (Social Sciences) and SS-II (Law & Management) at ICER-18. Award will carry a memento and a prestigious certificate. Young research scholars/PG students, below the age limit of 35 years (by certificate) are invited to take part in this competition.

## **2. Best Poster presentation Awards (Five)**

It has no age limit. Hence this competition is free for all registered participants. Prestigious awards for the Best Poster presentation each in Tech (Technology), LS (Life Sciences), PS (Physical Sciences), SS-I (Social Sciences) and SS-II (Law & Management) will be given. Each award will carry a memento and a prestigious certificate.



# The Venue

**AMITY UNIVERSITY MADHYA PRADESH, GWALIOR**

**Maharajpur (opposite airport), Gwalior-474005, INDIA**





# Organising Committee

## **Chief Patron**

**Dr. Aseem Chauhan**

Chairman, Amity University Madhya Pradesh, Gwalior  
Additional President (RBEF)

## **Patron**

**Prof. (Dr.) Sunil Saran**

Chancellor, AUMP, Gwalior

## **Chairperson**

**Lt. Gen. V.K. Sharma, AVSM (Retd.)**

Vice Chancellor, AUMP, Gwalior

## **Co- Chairperson**

**Prof.(Dr.) M.P. Kaushik**

Pro Vice Chancellor, AUMP, Gwalior

## **Director, ICER-18**

**Prof. (Dr.) Subhash C. Pandey**

Editor-In-Chief, Journal of Environmental Research And Development

## **Convener**

**Prof.(Dr.) Rajesh Singh Tomar**

Director-AIB, Dean(Life Sciences) & Dean(Academics), AUMP, Gwalior  
(rstomar@amity.edu)

## **Co-Convener**

**Dr. Anish C. Pandey**, Associate Professor

Department of Chemistry, Government Model Science Collage, Gwalior,

## **Organising Secretaries**

Dr. Raghvendra K. Mishra, Associate Professor

Dr. Vikas Shrivastava, Associate Professor

Dr. Shuchi Kaushik, Assistant Professor

Dr. Anurag Jyoti, Assistant Professor

## **Executive Members**

Dr. Raghvendra Saxena, Assistant Professor

Dr. Manish Kumar, Assistant Professor

Dr. Pratistha Dwivedi, Assistant Professor

Dr. Sushmita Shrivastava, Assistant Professor

Mrs. Sharmistha Banerjee, Assistant Professor



## Co-ordinators

**Prof. (Dr.) Pushpa Agrawal, Bangalore (India)**

**Dr. T. Utarasakul, Bangkok (Thailand)**

**Dr. D. S. Rathore, Gwalior (India)**

## Core Committee

Prof. HongYongXie, Shanghai (**China**)

Prof. Venkata S. Suggala, Gwalior

(**India**)

Prof. VedPal Singh, Delhi (**India**)

Dr. Harish Vyas, Ujjain (**India**)

Dr. U.D. Ikoni, Makurdi (**Nigeria**)

Dr. FaisalAnwar, Perth (**Australia**)

Dr. Mahendra K. Gupta, Gwalior

(**India**)

Dr. Nourollah Mirghaffari, Isfahan

(**Iran**)

Dr. Roshan T. Ramessur (**Mauritius**)

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Dr. Alzmer, Julich (**Germany**)

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Prof. E.F. Ogunbodede, Akungba Akoko

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Prof. Rita Singh Majumdar, Greater

Noida (**India**)

Dr. Peter Massanyi, Nitra (**Slovak**

**Republic**)

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(**Russia**)

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Dr. Rajeev Mishra, **Gwalior**

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Er. Sultan M. S. Al Salem, Safat (**Kuwait**)

Dr. M. Qasim, Mardan (**Pakistan**)

Dr. Anish Chandra, Gwalior (**India**)