



HYBRID MODE

4TH INTERNATIONAL CONFERENCE ON ENVIRONMENT AND SOCIETY (4TH ICES 2022)

Theme: Recent Advancement in Disaster Management, Agriculture and Environmental Sustainability

23rd & 24th December 2022

Organized and hosted by



Jiwaji University, Gwalior (M.P.)

<http://www.jiwaji.edu/>

In Association with



Glocal Environment & Social Association (GESA), New Delhi
(4th Annual Session)



Govt. P.G. (Autonomous) College
Datia (M.P.)



Nepal Aquaculture Society
Kathmandu, Nepal



Govt. KRG PG (Autonomous) College
Gwalior (M.P.)



Mahakaushal University
Jabalpur (M.P.)



Asian Biological Research Foundation (ABRF)
Prayagraj, India

www.gesa.org.in | ices2022gwalior@gmail.com

Registration Link: <https://forms.gle/R9PpxWuzJpy8Toe96>

ABOUT THE ICES-2022

Recent Advancement in Disaster Management, Agriculture and Environmental Sustainability

Agriculture sector plays a vital role in India's economy, as two-thirds of the total workforce of our country is dependent on agriculture and its allied activities for their livelihoods. However, it is greatly affected by human-induced hazards, climate variability and natural disasters such as droughts, floods, cyclones, hailstorms, frosts, diseases, pest attacks, fire, land degradation, animal menace, and chemical pollution, migration, post-harvesting damages or losses and so on. All these challenges, catastrophes and disasters have the potential to do great harm to people's lives in rural areas, especially if those locations already have preexisting vulnerabilities in their physical, economic, social, and environmental spheres. Natural disasters are becoming more frequent and more severe, that can affect crop yields (both positively and negatively) because it is so susceptible to climate change as well as the types of crops that can be grown in certain areas. Thus Indian agriculture is vulnerable to multiple disaster of natural and anthropogenic nature and is also aggravated by the impact of environmental modifications due to climate change.

The importance of sustainable rural development is highlighted by the fact that approximately 75 per cent of the absolute poor in developing countries live in rural areas, where they depend mostly on agriculture for their livelihoods. Humanity has the ability to make development sustainable: to ensure that it meets the needs of the present without compromising the ability of future generations to meet their own needs. Economic development and the management of natural resources were linked in time and space. So this conference, articulated in three burning issues, what are the advances to face the natural disaster i.e. disaster management, application of latest technology such as nanotechnology and DNA recombinant technology to increase the agricultural production along with the improvement in socio-economic condition of rural people, as well as well for better relationships to environmental sustainability.

Sub themes of disaster management:

- Role of Governmental and Non-governmental Organizations in disaster management.
- Roles and responsibilities of Institutions in disaster management.
- Role of mass media in disaster preparedness and management.
- How to assess the severity of the effects of any disaster.
- Natural disaster.
- Disaster caused due to anthropogenic activities.
- Levels of disaster.
- Sustainable Natural Disaster Mitigation.
- Disaster Rehabilitation and Recovery.

Sub themes of Agriculture

- Impact of disasters and climate change on agricultural production and food security.
- Biotic and abiotic stress in agriculture optimization and capacity building.
- How can we protect our livestock and agriculture yield from natural disasters?
- Agricultural and fisheries development for food safety and security.
- Organic farming, Pollution and disaster management.
- Agriculture and Sustainable development.
- Agriculture and productivity crisis due to diseases and poor irrigation.
- Livestock rearing, care and nutritional sufficiency.
- Blue, Green, Yellow, White Revolutions and self-reliant India.
- Advances in Fishery and Veterinary Sciences.

- Water, Agriculture and Food security.
- Role of information & communication technologies (ICTs) in risk reduction and smart digital farming (SDF).
- Role of communities, Govt. institutions, Universities, Scientists, and Farmers in the proper utilization and development of wetlands and vertical farming.
- Challenges & opportunities of climate-smart agriculture (inclusive of modern technology).
- Bioinformatics for agriculture in the Next-Generation.
- Biotechnological approaches in crop improvement.

Sub themes of Environmental Sustainability:

- Biodiversity, Water and Wildlife management.
- Rural, Social, industrial and Economic sustainability.
- Sustainable development of environment towards climate change resiliency.
- Environmental and Sustainability Education.
- Climate change scenario and Ozone layer healing.
- Waste management and Socio-economic impacts.
- Ecological Balance and Sustainable Development.
- Biodiversity Perspectives of Food, Health and Society.
- Agriculture, Animal Husbandry and Social Sustainability.
- Role of Women and Tribes in Social sustainability.
- Natural Resources, Human and Society.
- Biodiversity, Conservation and Environment.
- Water and Wastewater Treatment Technologies.
- Sustainable Development of Natural Resources.
- Bioinformatics and Environmental sciences.
- Role of Biotechnology in Environmental Sustainability.
- Biofuels for Sustainable Development.
- Bioremediation: An Eco-friendly Sustainable Technology for Environmental Management.
- Any other relevant topics related with main theme.

CALL FOR ABSTRACTS

The organizing committee invites original research abstracts for oral/poster presentation based on the theme/subthemes mentioned here for the conference. Original one-page abstract (A4-size with 1.5 cm margin on all sides, single column, Times New Roman font, font size 12, 1.5 line spacing written in MS WORD) should be submitted at ices2022gwalior@gmail.com till 10th December 2022. The esteemed participants are requested to mention clearly the title of the paper along with their names, affiliation, email id and contact number.

ABOUT THE ORGANIZERS

Jiwaji University, Gwalior (M.P.)

Jiwaji University, Gwalior came into existence on May 23, 1964 through M.P. Govt. Ordinance no. 15 of 1963. It was named after the Alijah Bahadur Sir Jiwaji Rao Scindia, the former ruler of the Gwalior state. Late Dr. Sarvapalli Radhakrishnan, the then President of India, laid the foundation stone on 11th December 1964 at a sprawling campus of over 225 acres of land at Naulakha Parade ground. This is a generous contribution of Scindia family, in particular Kailashwasi Maharaja Shrimant Jiwaji Rao Scindia and late Rajmata Shrimati Vijayaraje Scindia. The institution is christened after the name of Kailashwasi Shrimant Jiwaji Rao Scindia as a standing memorial to his persona. The motto of the university is embedded in its logo Vidyaya Prapyate Tejah.

The territorial jurisdiction of the University is spread over the districts of Gwalior, Bhind, Morena, Sheopur Kalan, Datia, Shivpuri, Guna and Ashok Nagar. In the beginning, the university had 25 affiliated colleges but today more than 410 Government, Government aided and Private colleges are imparting education to the students under its jurisdiction. These colleges are of Engineering, Life Science, Physical Science, Physical Education, Social Science, Commerce, Management, Arts, Library & Information Science, Law, Pharmaceutical Science, Technology etc.

Glocal Environment & Social Association (GESA), New Delhi

In order to serve a bit the Nature and Society for better future, the Glocal Environment & Social Association (GESA) is constituted. Its headquarter is located in New Delhi. Its main aim is to develop and promote 'global thought and local action' ideology to save the nature. It organizes the seminars; workshops etc. to aware and educate the people on blazing environmental and social issues. The GESA felicitates the persons and organizations for their outstanding services rendered in various fields of agriculture, arts, biodiversity conservation, commerce, culture, education, environment, healthcare, humanities, literature, mass communication, music, patriotism, peace and harmony, science, sports, technological innovations and other social services. The GESA will confer following categories of awards and honours through search and nominations to its members during this 4th annual session:

1. **Lifetime Achievement Award (Above 55 years of age)**
2. **Hon. Fellowship/ Fellowship (FGESA)**
3. **Dr. APJ Abdul Kalam Green Environment Promotion Award**
4. **Dr. Sarvepalli Radhakrishnan Education Promotion Award**
5. **Chaudhary Charan Singh Award for Agricultural Innovations**
6. **Sardar Patel Glocal Award for Social Awareness**
7. **Lal Bahadur Shastri Glocal Award for Biodiversity**
8. **Senior Scientist Award (Above 40 years of age)**
9. **Best Faculty Award for Teaching/Research Innovations**
10. **Distinguished Service Award / Distinguished Teacher Award (Crop, Plant Protection, Horticulture, Fisheries, Home Science, Social Science, Animal Science, Life Science etc.)**
11. **Innovative Educationist Award/ Agriculture Extensionist Award**
12. **Teacher of the Year / Extension Professional of the Year / Doctor of the Year Award**
13. **Technological Innovations Award**
14. **Paryavaran Ratna Puraskar**
15. **Vigyan Bhushan Puraskar**
16. **Sahitya Shri Samman**
17. **Young Scientist/Young Researcher Award (Below 35 years of age)**

Note: Life Membership of GESA is mandatory for above awards. Each awardee receives a multicoloured award certificate, a potted plant, an angvastram and a high quality memento. GESA Award selection is mainly based on biodata. Those who have received GESA awards in 2021 are not eligible to apply. For detailed guidelines, please log on to website: <http://www.gesa.org.in> [Email id: president.gesa@gmail.com]

Govt. KRG Post Graduate (Autonomous) College, Gwalior (M.P.)

To provide value education for academic enhancement of girls for sustainable society, Kamla Raja Girls College was established in 1937. It was elevated to PG level in 1970 and autonomous status was conferred on it in 1995. Standing with majestic grace in the heart of the city, the college is housed in one of the palaces of the erstwhile Scindia dynasty. It has an impressive historic main building alternated by lush green lawns, tall trees and blocks of various faculties constructed lately. It is a unique college of old and new architecture as well as picturesque natural beauty.

The college is NAAC 'A' grade accredited and one of the biggest colleges in MP with nearly 12,000 girls. It offers a great diversity in program options. The UG and PG classes run in 26 and 23 subjects respectively in Arts, Science, Commerce and Home Science faculties. The college makes a continuous internal assessment of its students through written tests, seminars and symposia under the Autonomous

Examination Scheme, followed by the final examination. The College has a rich library with 1.10 lacks books in the Central and Departmental libraries.

Govt. P.G. (Autonomous) College, Datia (M.P.)

Govt. P. G. College Datia is a pioneer institution in Gwalior Chambal Division. It was established in 1956 and conferred with autonomous status in 1995. The institution is situated in the holy city of Datia and is housed in one of the palace of Bundela dynasty. This college has a unique combination of old and new architecture. It spreads over a vast campus of 13.22 acres. Govt. P.G. College is an autonomous institution affiliated by Jiwaji University Gwalior. College has Arts, Science and Commerce faculties with more than 9000 students at U.G. and PG level.

The college has 14 PG departments with 5 Research centers recognized by the affiliating University. College is accredited with 'B' grade by NAAC. It is the second largest college in Gwalior Chambal Division.

Mahakaushal University, Jabalpur (M.P.)

Mahakaushal University, Jabalpur has been established by the MP Govt. Ordinance Number 11 dated 13th January 2021. Ordinance has been passed by MP state legislative assembly dated 25th February 2021. University has been included in the list of Universities established as per section 2(f) of UGC Act 1956.

Mahakaushal University offers an advanced Education system to the students in the fields of Engineering Technology, Agriculture, Humanities, Yoga, Paramedical, fire safety Science, Nursing, Education, skill-based program and Future demanding courses. students will be made ready for multitasking activities to bring Nation at fore- front globally. Our education system is ready to fulfill requirements from Public and private sectors for future needs.

Nepal Aquaculture Society, Kathmandu, Nepal

Nepal Aquaculture Society (NAS) well known as a nonprofit, non-Govt. and autonomous organization registered under the Act of Sanstha Darta of 2034, Govt. of Nepal having its regd. office at Shri Vinayak Marg, Sinamangal-9, Nepal. The NAS is committed to serve and provide expertise towards the Global development in life sciences disciplines.

Asian Biological Research Foundation (ABRF), Prayagraj, India

The ABRF Prayagraj, India is a self-supporting, academic and research associated body. It is basically non-profit and Non-Government Organization: (1) to provide a common platform for scientists associated with biological sciences to interact with one another for mutual benefit and to enhance the innovative knowledge on the subjects (2) to encourage, facilitate and perform the activities related to conservation of water, nature and biodiversity (3) to promote the new scientific knowledge that has emerged from recent advances and to felicitate the persons and organizations internationally for their outstanding services rendered in basic, applied and modern biological sciences including all branches of Botany, Zoology, Agriculture, Veterinary Science, Environmental Science, Molecular Biology, Biotechnology, Biochemistry, Bioinformatics, Microbiology, and so on, (4) to collaborate with National and International Institutions, Government and Non-Government Organizations, Schools, Colleges, Institutions, Universities, Private and Public sector Industries to achieve the objectives of the ABRF. The ABRF confers following categories of awards and honours through search and nominations:

1. **ABRF Lifetime Achievement Award (above 57 years of age)**
2. **Hon. Fellowship/Fellowship (FABRF)**
3. **ABRF Excellence Award for Environmental/Agricultural/Botanical/ Zoological Research**
4. **ABRF Global Recognition Award**
5. **Outstanding Extension Professional/Agriculture Scientist/ Social Services Award**

6. **Best Teacher Award for Agricultural/Botanical/Environmental/Zoological Innovations**
7. **Eminent Ichthyologist/ Environmentalist/ Ecologist/ Entomologist/ Geneticist/ Parasitologist/ Cytologist/ Taxonomist/ Plant Pathologist/ Physiologist/Biotechnologist/ Anthropologist Award**
8. **Senior Botanist/ Zoologist/ Biochemist/ Scientist/ Environmentalist Award (above 45 years of age)**
9. **Innovative Botanist/Zoologist/Scientist/Environmentalist/Agriculture Scientist/Biotechnologist/ Extension Professional Award**
10. **Innovative Biologist Award for Wild Life/ Biodiversity Conservation**
11. **Vigyan Ratna Puraskar (No age bar)**
12. **Paryavaran Shri Samman (No age bar)**
13. **Young Botanist/Zoologist/Scientist Award (below 30 years of age; mainly for research scholar)**

Note: Only ABRF Life Members are eligible for applying these awards. ABRF will confer only 10 awards during this ICES 2022. Each award will consist of a potted plant, an angvastram, a multicoloured award certificate and a high quality memento. ABRF Award selection is strictly based on API and biodata both. **Those who have received ABRF awards in 2021 are not eligible to apply.** For detailed guidelines, please log on to website: <http://www.abrf.org.in> [email id: secretary.abrf@gmail.com]

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CONFERENCE AWARDS

The Organizing Committee will confer 10 awards to participants during the ICES-2022:

- 1. Best Oral Presentation Award (1st, 2nd, 3rd and 2 Consolation)**
- 2. Best Poster Presentation Award (1st, 2nd, 3rd and 2 Consolation)**

IMPORTANT DATES

Abstract submission starts:	15th October, 2022
Registration starts:	15th October, 2022
Abstract submission closes:	10th December, 2022
Intimation of Abstract acceptance starts:	1st November, 2022
Early Bird Registration closes:	10th December, 2022
Conference dates:	23rd and 24th December, 2022

Abstract submission email id: ices2022gwalior@gmail.com

REGISTRATION FEE STRUCTURE

a) Academician/Scientist/Regular Faculty	Rs. 1700/-
b) Faculty members of MKU/ Life members of GESA/ ABRF:	Rs. 1500/-
c) Faculty members of JU/KRG/Datia College	Rs. 1200/-
e) Guest Faculty (with proof)	Rs. 1000/-
f) Ph.D. Research Scholar (with I-card)	Rs. 1000/-
g) PG student (with I-card)	Rs. 900/-
h) Accompanying person (no kit and no certificate)	Rs. 800/-

Notes: (1) On spot registration facility is also available **with Rs. 300 extra charges** to above mentioned registration fee. (2) Registration fee includes conference kit, lunch, dinner, tea/snacks and participation in all the sessions. (3) The conference kit is not guaranteed for on spot registrations. (4) Two days FREE accommodation will be provided to GESA life members (Contact Person: Dr Raj Kumar Sharma Ph.: +91 95807 65651).

BANK DETAILS FOR REGISTRATION

Name of Beneficiary: Glocal Environment & Social Association
Bank Name & Branch: Uco Bank, Tagore Town
Account Number: 18740110015742
IFSC: UCBA0001874
Phone: +91 82997 07006
Email id: officegesa1@gmail.com

8299707006



BAR CODE

Note: After online submission of fee, kindly fill the Google form by clicking: <https://forms.gle/R9PpxWuzJpy8Toe96>

ACCOMMODATION

We have arranged limited accommodation to GESA life members only; therefore, the outstation participants are humbly advised to arrange accommodations at their own expenses and liberty.

FOR MORE DETAILS, PLEASE CONTACT:

Contact Person for Abstract related matter: **Dr. R.P. Singh Ph.: 9425619653**
Contact Person for GESA membership/ GESA Award: **Mr Prabhakar Singh Ph: 85639 86305**
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