

Guru Gobind Singh Indraprastha University, Delhi

University School of Environment Management



Faculty Development Program (Online)
on

Environmental Impacts of COVID-19 Pandemic: Challenges and Future Research

27th May to 1st June, 2020

(One Week Faculty Development Program)

About the Organization

Guru Gobind Singh Indraprastha University (GGSIPU) established by Government of NCT of Delhi in 1998 is a NAAC accredited "A" Grade University that impart professional education in emerging areas of higher education in the disciplines of engineering & technology, sciences, management studies, medicine, pharmacy, nursing, education and law etc. Besides producing technically skilled and professionally well-equipped manpower for best career prospects, the University has excelled in its research activities in the frontier areas of these subjects in tandem with present days needs of the industry and society.

About University School of Environment Management

The School was established in the year 1998 to build a pool of trained environment professionals to contribute towards significant solutions to environmental problems and sustainability. This is the only School of Environment in the country imparting Master degree in three unique specialized areas and equipping the students with enhanced employability skills in teaching, research and corporate sector.

- (a) **M.Sc. Environment Management:** The focus is on training the students as Environment Professionals in different sectors like Climate Change Mitigation, Energy Technologies, Environmental Microbiology, Pollution Abatement, Health Safety, EIA and Environment Management.
- (b) **M.Sc. Biodiversity & Conservation:** The students are trained as Conservation Biologists, well equipped to work in areas of Exploration of Floral & Faunal Wealth, Wildlife Conservation, Urban Biodiversity Parks & Biodiversity Experts in Smart and Sustainable Cities for future generations.
- (c) **M.Sc. Natural Resource Management:** The students are trained for Industry and Development Sector along with a balance to meet the Livelihood needs of the Community in a Sustainable manner.
- (d) **Ph.D. Programme:** The school is actively engaged in research in emerging areas of Environmental Science such as Pollution Abatement, Natural Resource Management, Climate Change, Energy, Air, Water Pollution, Biosystematics studies, Wetland studies, Conservation of Bio-diversity using Geo-spatial, Eco-technological, Bio-technological and Modelling tools.

About the Program

The aim of this Faculty Development Program is to sensitize the University and Colleges Faculty members and Ph.D. Research scholars about environmental problems, biodiversity, sustainability, climate change and to comprehend public health issues in COVID-19 crisis through online E-lectures and discussions. As per the current situations, major policy level changes are being decided by the government as well as industrial sector, with more focus on epidemiological & societal research and development sector. The current program is designed to understand this in more in-depth and aimed towards preparedness for a well-informed research and academic sector. This week long workshop would be helpful to researchers and environmental professionals to get an idea of environmental impacts of COVID-19 crisis and its challenges, ongoing research activities and possible research solutions to combat this problem. The participants may get new research problems to work upon or it might be helpful to them in supplementing their current research plans according to the need of hour or feasibility during this pandemic.

Environmental Science is a broad discipline which encompasses and ensures the acquisition of necessary skills and knowledge to deal with bio-geophysical and socio-economic issues faced by society today. It is a multidisciplinary subject which focuses on several aspects including environmental health, climate change, biodiversity and management aspect of environment, sustainability and business, population dynamics, ecosystem and urbanization etc. Since the natural world is quite complex and human activities are leading to unexpected catastrophe in the form of corona virus and other environmental issues, which are difficult to reverse, a dedicated faculty development programme on such environmental crisis is need of the hour. There are impacts anticipated by COVID-19 on existing waste and resource management practices and what would be interventions desired from technology, policy and financing point of view.

In the recent past, several faculty development programmes, e-seminars and workshops have been organised at national levels to understand complex environmental issues and spread awareness among people. But this program is unique in the sense that it also encompass the present COVID-19 crisis in environmental issues with an aspiration to imbibe the essence of such environmental campaigns to its fullest and to inculcate a keen desire to keep our planet green, clean and healthy. University School of Environment Management (USEM), GGS Indraprastha University, Delhi keeps forth its step to organise Faculty Development Program in digital online mode. Lectures will be shared with the participants to enhance their teaching learning process gradually and instil this knowledge in budding minds as well as to enhance the research skills of research students.

The program is aimed at providing a forum for interaction and deliberations among scientists, researchers, academicians and policy makers from different parts of the country on such important aspects about the present situation of COVID-19 pandemic along with in-depth discussion on the future environmental policies after COVID-19, climate change and its major impact on biodiversity including health and socio-economic status of citizens.

The Faculty Development Workshop will include following broad themes:

- Origin of COVID-19 and Social order Vulnerability : Lessons learned from crisis
- Healing of Earth and Ecosystem up-gradation during the COVID-19 Lockdown
- Impact on small holding farmers/micro small and medium-sized enterprises (MSMEs)
- Risk for Protected species and Wildlife during the Novel Coronavirus crisis
- Effect of Lockdown amidst COVID-19 Pandemic on Air and Water Quality
- Waste and Resource Management in and after COVID-19 pandemic times
- Climate change agenda and action in post COVID-19
- Preparedness for a Future Crisis Free Environment: Lessons learned and possible solutions
- Impact of COVID-19 on Rural Livelihoods Opportunities, Reverse Migration & Future Sustainable Environment
- Urban Systems During Disasters : Factors for Resilience
- Sendai Framework For Disaster Risk Reduction and Biological Pandemic Spread

Important

The Online FDP is open to Faculty Members (regular/ ad-hok/ temporary) from any Indian University/ College, Young Professionals from Industries, NGOs, Consultancy Firms and Ph.D. Research Scholars. However, total number of participants shall be restricted to 200*. Registration for all participants is mandatory. The participants are requested to register online by browsing/ clicking on the following link latest by May 26th, 2020.

<https://forms.gle/ZgbkPWikLQrMAsFn9>

*Registration is "free of cost" and will be done on "first cum first basis".

Patron

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Organised by

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"In the middle of difficulty lies opportunity"

-Albert Einstein