



## About the Institute

The National Institute of Health & Family Welfare is a premier autonomous Institute, funded by the Ministry of Health and Family Welfare, Government of India. It has kept pace with the new thinking and substantially contributed to the health manpower development in the country.

NIHFW serves as an apex 'technical institute' as well as a 'think tank' to promote national health and family welfare programmes in the country through education and training, research and evaluation, consultancy & advisory services, specialized projects, etc.

During the present COVID-19 pandemic situation, NIHFW has taken an initiative to conduct the training courses on the virtual platform. The department of Epidemiology of the institute is organizing an online training course on "**Environmental and Occupational Health for Health Professionals**".



## Course Coordinating Team

Course Coordinator : Prof. Sanjay Gupta  
Course Associates : Dr. J. P. Shivdasani  
Mrs. Vaishali Jaiswal  
Mrs. Bhawna Kathuria

## Last date for sending nomination

5<sup>th</sup> February, 2021

## Further Correspondence to be addressed to:

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## Training Course

on

## Environmental & Occupational Health for Health Professionals

22<sup>nd</sup>—26<sup>th</sup> February, 2021



स्वास्थ्य परिवार कल्याण संस्थान

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## Introduction

The Health hazards/ diseases associated with occupational and environmental exposures contribute significantly to overall burden of diseases. Most of the occupational and environmental diseases are being missed out in the diagnosis in the present health care system due to marginalization of this discipline. The health professionals and the community generally do not understand, and appreciate the consequences of harmful exposures to hazards in work place as well as in general environment.

There is an urgent need to focus on hazard identification, hazard analysis, assessment and control of hazards causing such disease. The World Health Organization has repeatedly called upon health professionals to develop interest in tackling physical, chemical, biological & psychological hazards that account for substantial disease burden. In the absence of adequately trained manpower, measures to prevent and control such illness are not instituted in many countries including India.

Health professionals need to be trained to keep a watch on the exposed groups for conducting surveillance of work/ home environment, and early detection of occupational/ environmental illness. Present training course will try to sensitize the health professionals in the area of occupational & environmental health.

## General Objective

To enhance the knowledge and skills of the Health Professionals in area of occupational and environmental health.

## Specific Objectives

This course will prepare the participants to:

- Describe importance of occupational diseases associated with physical, chemical, biological and psychological hazards.
- Describe epidemiological principles concerning Occupational & Environmental health.
- Explain adverse health effects of environmental contaminants in individuals and/or populations.
- Describe Global Warming, Climate change, and discuss the role of health professionals/ health sector in mitigating the same.
- Describe the legal issues involved in Occupational Health Practice and important Occupational & Environmental Legislations in India.

## Course Contents

- Introduction to Occupational & Environmental health
- Physical, Chemical & Biological Exposures: noise, heat, radiation, dust, gases, acid, alkali, metals etc.
- Occupational and Environmental epidemiology
- Ergonomics
- Workplace health promotion
- Traditional & Emerging Environmental issues affecting Health
- Occupational and work-environment related pulmonary diseases
- Water - sanitation and health
- Outdoor/ Indoor air Pollution and Health
- Bio-medical Waste Management
- Global Warming and Climate Change
- Legal Issues in Occupational Health Practice & Important Legislations related to occupation & environment.
- Disaster Management during Environmental calamities

## Methodology

The training course will be conducted in online mode through Google meet. Link will be sent to registered participants, the course can then be accessed at specified time using a desktop, laptop or tablet.

Participatory approach will be adopted throughout the course comprising of:-

- **Lecture Discussions:-** Each lecture session of one hour time will be followed by discussion and interaction with the participants.
- **Case Studies:-** Sample case studies will be discussed.
- Participants will be given an opportunity to share issues related to their respective organizations.

## Duration

5 days (22<sup>nd</sup>—26<sup>th</sup> February 2021), 9.30 am - 3.30 pm daily.

## Course Fee

There will be a course fee of Rs. 5000/- per participant need to be paid through online banking.

## Number & Nature of Participants

20-25 Health care professionals working in areas such as govt. dispensary/ hospital, PSUs, public health facility.

## Training Outcome

The course will be helpful in capacity building of the health professionals in the area of occupational and environmental health.