

Workshop  
on  
Research Methods for Biological Sciences  
Students  
5-7 September, 2018  
Organized by  
ICMR-National Institute of Occupational Health

### Registration Form

Name:.....

Age.....

Gender.....

Current Education.....

Organization.....

Education Background.....

Address.....

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Mobile Number.....

Email.....

Expectation from the Workshop:

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Details of the registration fee:

DD No.....Date.....

Bank.....Amount.....

Signature of Candidate

### Our Inspiration

**Prof. Balram Bhargava**  
**Secretary (Department of Health Research) &**  
**Director General,**  
**Indian Council of Medical Research, New Delhi**

### Patron

**Dr R S Dhaliwal**  
**Head (NCD) & Scientist 'G'**  
**Indian Council of Medical Research, New Delhi**

### Mentor

**Dr Kamalesh Sarkar**  
**Director & Scientist 'G'**  
**ICMR-NIOH, Ahmedabad**

### Course Coordinator

**Dr LK Sharma**  
**Scientist 'C', NIOH Ahmedabad**

### Faculty Member

**Dr Kamalesh Sarkar, MBBS, MD**  
**Director & Scientist 'G', NIOH Ahmedabad**

**Dr LK Sharma, M. Tech., PhD**  
**Scientist 'C', NIOH Ahmedabad**

**Mr. J Majumder, M. Sc.**  
**Scientist 'C', NIOH Ahmedabad**

**Dr BS Bagepally, MBBS, PhD**  
**Scientist 'D', NIE Chennai**

**Dr SD Mishra, M. Stat., PhD**  
**Scientist 'B', NIOH Ahmedabad**

**Dr A Viramgami, MD, MBBS**  
**Scientist 'B', NIOH Ahmedabad**

Workshop  
on  
Research Methods  
for  
Biological Sciences Students

Supported by

INDIAN COUNCIL OF MEDICAL RESEARCH

Organized by



ICMR-NATIONAL INSTITUTE OF OCCUPATIONAL HEALTH  
Meghani Nagar, Ahmedabad—380016  
<http://www.nioh.org>

5-7 September, 2018



## About ICMR-NIOH

The NIOH is the premier institute, under the aegis of the ICMR, Department of Health Research, Ministry of Health and Family Welfare, Govt. of India.

The Institute was established by the Indian Council of Medical Research, New Delhi as "Occupational Health Research Institute" (OHRI) at the B. J. Medical College, Ahmedabad, in the year 1966. The OHRI was rechristened as "National Institute of Occupational Health" (NIOH) in 1970 and moved to the present premises. To cater local needs of the Southern and Eastern regions, the Institute established two Regional Occupational Health Centres (ROHC) at Bangalore (1977) and Calcutta (1980). Occupational Health is a sustained activity aimed at promotion and maintenance of highest degree of physical, mental and social well being of workers in all occupations.

## About ICMR

The Indian Council of Medical Research (ICMR), New Delhi, the apex body in India for the formulation, coordination and promotion of biomedical research, is one of the oldest medical research bodies in the world. The ICMR has always attempted to address itself to the growing demands of scientific advances in biomedical research on the one hand, and to the need of finding practical solutions to the health problems of the country, on the other. The ICMR has come a long way from the days when it was known as the IRFA, but the Council is conscious of the fact that it still has miles to go in pursuit of scientific achievements as well as health targets. The Council's research priorities coincide with the National health priorities such as control and management of communicable diseases, fertility control, maternal and child health, control of nutritional disorders, developing alternative strategies for health care delivery, containment within safety limits of environmental and occupational health problems; research on major non-communicable diseases like cancer, cardiovascular diseases, blindness, diabetes and other metabolic and haematological disorders; mental health research and drug research.



Gandhi Ashram



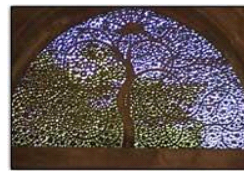
Sardar Patel Memorial



Kankaria Lake



Swami Narayan Temple



Sidi Sayed Mosque



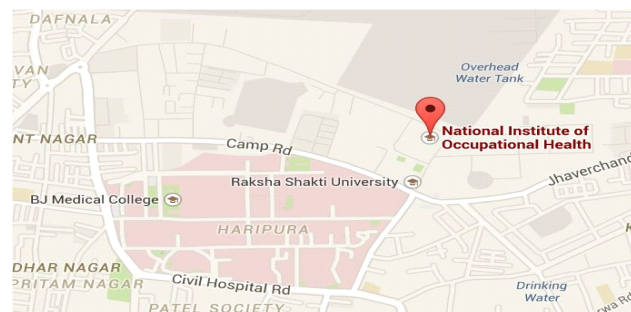
Adalaj Vav

## Course Contents

- Descriptive Studies : Case reports, case series, cross sectional studies etc.
- Analytical Study Designs: Case-control, Cohort studies etc.
- Introduction to Ethical Issues
- Interventional/Experimental studies: RCT, field trial, clinical trials
- Sampling methods and sample size determination
- Data Entry and Management: Database creation, data entry, data manipulation/ transformation and importing external databases
- Descriptive Statistics: Measures of central tendency & dispersion with its calculation reporting frequencies, graphical representation of data etc.
- Test of Significance: Parametric Tests and Non-parametric Tests
- Correlation and Regression
- Epidemiological tests: sensitivity, specificity, ROC, incidence, prevalence, ratio, proportions, rates etc.
- Demonstration/Hands on training on the above topics in statistical software (SPSS, EPI-Info)

## How to Reach

- NIOH is 5 Km from Ahmedabad Railway Station
- NIOH is 6 Km from SVP Int Airport Ahmedabad
- NIOH is 5.5 Km from Ahmedabad Bus Stand.
- Nearest Local Bus Stop is New Mental Corner



## Important Dates

- Deadline for Application: 15 August 2018
- Deadline for submission of Registration Fee: 7days after confirmation
- Workshop Date: 5-7 September, 2018

## Registration Details

- Registration Fee: Rs. 2000 (Two Thousand Only)
- Payment Mode: Demand Draft/Online (Details are available at NIOH website)
- In Favour of : Director, NIOH Ahmedabad
- Payable At: Ahmedabad

*The filled registration form along with demand draft may be sent to following address and mention WORKSHOP ON RESEARCH METHOD on Envelop:*

Dr L K SHARMA  
Scientist-C, National Institute of Occupational Health,  
Meghani Nagar, Ahmedabad-380016, Gujarat.  
Email: [niohworkshop@gmail.com](mailto:niohworkshop@gmail.com),  
Website: <http://www.nioh.org>  
Contact No.: (079) -22688- 749 / 747 /847

## Important Notes

- The number of participants is limited to 30 students of Medical /Biological sciences only.
- Candidates are requested to send application initially through email ([niohworkshop@gmail.com](mailto:niohworkshop@gmail.com)) and send demand draft only after confirmation of application.
- Registration fee of confirmed participant is non-refundable.
- The limited accommodation facilities are available on share basis at NIOH Guest house. The priority will be given to female and outside participants.
- The registration fee includes working lunch and workshop kit.
- Candidates are suggested to bring their laptops for hands-on-exercise.
- The workshop starts at 10 am till 5 pm on all workshop days.