

**Center for Learning and Development**  
**IIHMR, Bangalore**



INSTITUTE OF HEALTH MANAGEMENT RESEARCH  
*South Campus, IIHMR Group*

Workshop on  
**Scientific Manuscript and Report Writing**



**Hybrid Mode**  
(online and offline Classes)

03 days | Beginners and advanced level

**Scientific Manuscript and Report Writing**  
**Training Report**

Workshop

3 Days

4:00 pm- 7:00 pm

## 1. Introduction:

Scientific manuscript writing is an art because this is a compact and comprehensive research document. The manuscript must comprise an abstract, a statement of the problem or research questions, research hypothesis, literature review, study design, data collection methods, analysis, results, discussion, and conclusions. Moreover, in the research report, alongside the above descriptions' executive summary, a summary of the findings, research implication, and way forward would be an integral part of the report.

## 2. Background and Objectives:

The program is designed in a sophisticated way to introduce the basic concepts of the scientific manuscript and report writing, this workshop will converse the skills of the scientific manuscript and report writing along with its elements. Participants will develop proficiency in explaining the overall strengths and limitations of the study and will gain the capability to be effective manuscript authors by following scientific writing guidelines. This workshop will discuss in detail all the principles of persuasive writing, the format of a scientific manuscript, the peer review process, and publication and teach the participants critical skills in scientific writing. The following objectives were integrated into the workshop.

- To understand the basic structure of a scientific manuscript and report writing.
- To advance the key elements to be highlighted in scientific writing.
- To develop requisite skills in manuscript and research report writing
- To develop capabilities to recommend interventions and policies based on scientific evidence.
- To skill in dealing with ethical considerations in publication.

## 3. Program duration and venue: 19-21, May 2022; Online Mode

## 4. Training Team:

1. **Dr Gyan Chandra Kashyap, Assistant Professor IIHMR Bangalore**, is a demographer as well as a Statistician. He has completed an M.Sc. in Statistics, M.Phil., and Ph.D. in Population Studies. He teaches Biostatistics and Demography and Advanced demographic Techniques of data analysis. His research areas of interest are occupational health, mental health, disease epidemiology, and women's issue. His research works have been published in leading national and international journals.

2. **Dr. Bhaskar Thakur, Assistant Professor, University of Texas, UT Southwestern Medical Centre**, is a Biostatistician. He has completed his PhD in Biostatistics from AIIMS, New Delhi. He is an expert in handling hospital-based data and population-based survey data, evidence-based utilization of statistical methods, data analysis, interpretation, and appraisal. He is currently serving as a guest editor for Frontiers in Paediatrics and Frontiers in Public Health and also reviewed around 29 manuscripts for various international journals. Dr. Bhaskar has published more than 78 research articles in leading national and international journals.
3. **Mr. Gowthamghosh B, Assistant Professor, IIHMR Bangalore**, is a trained Social Worker with an experience of more than 10 years in the health sector; he has gained expertise in conducting health surveys and program evaluations. He has upgraded his skills by attending the Public Health program at Bloomberg School of Public Health, Johns Hopkins University USA, and IIHMR University Jaipur. He HAS BEEN PART OF National and State-level Large Scale surveys in India and Afghanistan.

5. **Structure of the program:** The workshop on Scientific Manuscript and Report Writing was organized to understand the elements of scientific writing and its importance.

6. **Number of participants and profile:** Total of 10 paid participants. Most of the participants were Ph.D. scholars, MBBS students, and Assistant Professors.

7. **Training Method:**

The three days workshop consisted more of theoretical aspects with a well-developed training outline from the initial steps of starting a manuscript to the final outcome and publication. Reading materials were provided to the participants which were further discussed in detail during the sessions. Moreover, the sessions were interactive and participants showed their presence during the sessions. The sessions were initially started with a recap of the previous sessions hence the session flow was maintained throughout the session.

8. **Outcomes of the programs:**

After completion of this training program participants will be able to:

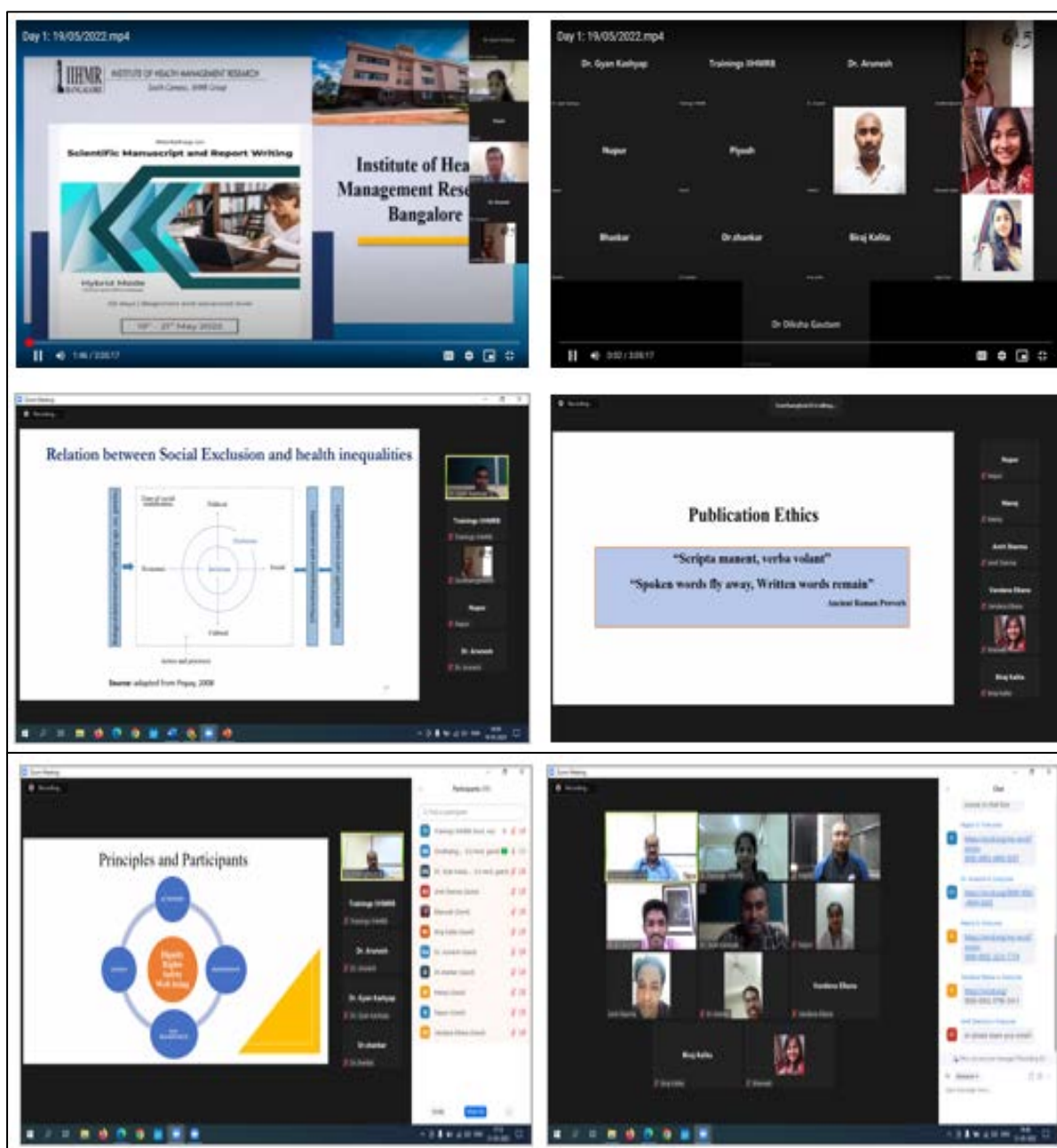
- Develop proficiency in explaining the overall strength and limitations of the study and will gain the capability to be an effective manuscript author by following scientific writing guidelines.

- Will gain knowledge on the principles of persuasive writing, the format of a scientific manuscript, peer review process, and publication and inculcate critical skills in scientific writing.

## 9. Recommendations:

This kind of workshop should be organized in offline mode to make it more comprehensive and learning-oriented.

## 10. Glimpses of the programs



## 11. Annexure

Schedule – Workshop on Scientific Manuscript and Report Writing “19 <sup>th</sup> to 21 <sup>st</sup> May 2022”				
Day & Date	Time	Topic	Sub-Topics	Key Resource Persons
Day 1 (Thursday) 19 May 2022	4:00-4:10 PM	About the Institute	IIHMR Bangalore - An Introduction	Ms. Swathi Acharya
	4:10-5:40 PM	Overview of Scientific Writing	Structure of a scientific manuscript and report writing: Introduction, statement of the problem, and purpose of the study, research gap, hypothesis testing, and objective of the study	Dr. Bhaskar Thakur
	5:40-7:10 PM	Literature Review and Theoretical Framework	Review of the literature and theoretical or conceptual framework	Dr. Gyan Chandra Kashyap
Day 2 (Friday) 20 May 2022	4:00-5:30 PM	Materials and Methods	Study area, study population, operational definitions, sampling design, sample size determination, data collection, about the data, statistical analysis, defining the study variables, and about the data analysis software	Dr. Bhaskar Thakur
	5:31-6:15 PM	Results and summary of findings	Results of descriptive analysis, regression results Interpretation of figures and map and summary of key findings	Dr. Gyan Chandra Kashyap
	6:16-7:00 PM	Discussion and Conclusions	Structure of discussion section, interpretation of key findings, supporting evidence, compare and contrast to previous studies, and summaries of the hypothesis testing in the discussion. Conclude with the key findings of the study.	Dr. Gyan Chandra Kashyap
Day 3 (Saturday) 21 May 2022	4:00-5:20 PM	Abstract and Key Sub-headings	Strength and limitations, Significance of the study, declarations, manuscript title, abstract, and acknowledgments	Dr. Gyan Chandra Kashyap
	5:21-6:50 PM	Research Ethics and References	Publication ethics, plagiarism, and Reference management	Mr. Gowtham ghosh B
	6:50-7:00 PM	Open Discussion	Vote of thanks, Feedback, and Certificate	Ms. Swathi Acharya

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Prepared by:  
Dr. Gyan Kashyap  
Assistant Professor  
IIHMR Bangalore

Approved By:  
Mr. Piyush Kumar  
Associate Dean (Training)  
IIHMR Bangalore