

**ONLINE NATIONAL WORKSHOP  
ON  
SYSTEMATIC REVIEWS & META -ANALYSIS**

**(October 18-20 , 2024)**

**Organized by**

**Resilient Foundation For Academic Innovation  
& Scientific Research, New Delhi**

(Registered with NITI Aayog, Govt. of India)

# **ONLINE NATIONAL WORKSHOP ON SYSTEMATIC REVIEWS & META -ANALYSIS**

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## **About Workshop:**

Systematic reviews and meta-analyses are method of evidence synthesis that present results by combining and analyzing data from different studies conducted on similar research topics. These methods are considered to produce highest quality of research and recently there is an upsurge in the number of systematic review and meta-analysis being conducted by various field experts. This method of research is extremely useful in the era where a huge amount of research is produced each year, often with conflicting findings. In those instances, systematic review and meta-analysis can offer scientifically sound and powerful alternatives that can overcome the difficulties in addressing bias, heterogeneity and quality of the studies. However, often poorly conducted systematic review and meta-analysis could yield misleading results. Therefore, various guidelines have been suggested for conducting systematic reviews and meta-analyses to help standardize the independent study findings and to improve their quality.

This workshop will cover all aspects of systematic review and meta-analysis and will provide participants with hands-on experience with the software and practical aspect of the subject.

## **About Resilient Foundation :**

Resilient Foundation for Academic Innovation & Scientific Research, New Delhi is a not-for-profit organization registered under section 8 of the companies' act 2013, India. The organization is established having primary aim to promote academic & research activities through knowledge sharing, innovation, skill development and capacity building in various sectors like academia, industry and government for betterment of society. For more details please visit

<https://theresilientfoundation.org/>

## THE COURSE CONTENT OF THE WORKSHOP

Day	Topics Covered	Date & time
Day-1	<p><b>Introduction to Systematic Reviews and Meta-Analysis</b> Overview of systematic reviews and meta-analyses, their importance in research, and the basic steps involved.</p> <p><b>Formulating a Research Question</b> How to formulate a clear, answerable research question, and the importance of PICOS (Population, Intervention, Comparison, Outcome, Study Design) framework.</p> <p><b>Q&amp;A and Discussion</b></p>	<p><b>Date:</b> 18<sup>th</sup> October, 2024 <b>Time:</b> 6:30 -08:30 PM</p>
Day-2	<p><b>Literature Search and Study Selection</b> Techniques for searching literature databases, strategies for identifying relevant studies, and the process of selecting studies for inclusion and the software used in literature search.</p> <p><b>Data Extraction and Management</b> Methods for extracting data from included studies, data management tools, and handling missing or incomplete data.</p> <p><b>Q&amp;A and Discussion</b></p>	<p><b>Date:</b> 19<sup>th</sup> October, 2024 <b>Time:</b> 06:30 -08:30 PM</p>
Day-3	<p><b>Quality Assessment and Risk of Bias</b> Criteria for assessing the quality of included studies, tools for evaluating risk of bias, and the impact of bias on meta-analysis.</p> <p><b>Meta-Analysis Techniques</b> Statistical methods for meta-analysis and software to conduct meta-analysis, interpretation of results, and presentation of findings.</p> <p><b>Q&amp;A and Discussion</b></p>	<p><b>Date:</b> 20<sup>th</sup> October, 2024 <b>Time:</b> 06:30 -08:30 PM</p>

## Methodology

- Online live classes by eminent expert from reputed organization of the country
- Participatory discussion with Q&A
- Demonstrations
- Study materials such as recordings of the all sessions
- e-certificates will be provided to all registered participants.

## Nature of Participants

Faculties ,researchers and students of all domains working in academia, industry and development sector.

## Duration &Time

Three Days ( 18 - 20 October, 2024)

Timing (02 Hours): 06:30 PM-08:30 PM

## Registration Process:

### Step-I: Fee Payment:

1. Registration Fee for all participants = Rs. 300 /-

### Registration Link:

<https://theresilientfoundation.org/current-events/>

**Step-II** After successful payment, you will get confirmation on your registered email from organizers in which link for joining official what's app group will be shared.

**Last Date of Registration:** 18th October, 2024 (Till 12 :00 PM)

For further queries, please mail us at [info@resilientfoundation.in](mailto:info@resilientfoundation.in) or call at +91-8840112492.

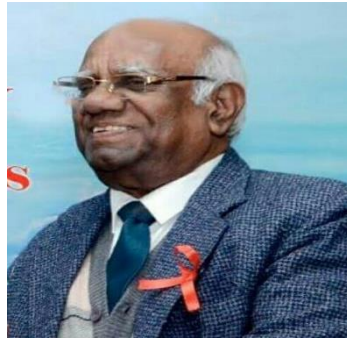
## Our Resource Person



**DR. ANAMIKA GULATI**  
**Assistant Professor, JNU, New Delhi**

Dr. Anamika Gulati is an Assistant Professor at the Jawaharlal Nehru University, specializing in Pharmaceutics with a focus on Biomedical Waste management. She holds a Ph.D. from MM University, Ambala, and an M.Pharm. from Panjab University, Chandigarh. Dr. Gulati has extensive experience in scientific writing, having worked with Novartis Healthcare Pvt. Ltd. and BresMed Health Solutions India Pvt. Ltd., where she managed multiple projects, conducted systematic reviews and meta-analyses, and provided medical information support. She is also an editorial board member for several journals and has authored numerous publications, a book with Springer Singapore, and book chapters. Dr. Gulati is actively involved in various professional activities, including course material development, and has a strong background in using various software and research tools. She is also a member of several committees at JNU and has been involved in various national and international projects.

## Organising Team of the Workshop



### Patron

**Prof. (Dr.) Padam Singh**  
Former Additional Director  
General  
Indian Council of Medical  
Research (ICMR), New Delhi

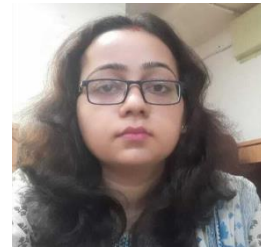
### Co - Patrons



**Dr. Ashoo Grover**  
Senior Scientist  
ICMR, New Delhi



**Prof. Karan P. Singh**  
School of Medicine, University of  
Texas, USA



**Mrs. Richa Singh**  
Director  
Resilient Foundation for Academic  
Innovation & Scientific Research,  
New Delhi

### Workshop Coordinators



**Dr. Harlokesh Narayan Yadav**  
Additional Professor  
Dept. of Pharmacology  
AIIMS, New Delhi  
(Convenor)



**Dr. Meenu Goel**  
Assistant Professor  
Mata Sundri College for Women  
University of Delhi  
(Organizing Secretary)



**Dr. D.K. Yadav**  
Assistant Professor  
NIHF, New Delhi  
Nodal Officer, Mission Karmayogi  
MoHFW, Govt. of India  
(Organizing Secretary)



**Dr. Prangyada Reecha Joshi**  
Assistant Professor  
SCB Medical College and  
Hospital, Cuttack, Odisha



**Dr. Neha Singh**  
(Sr. Scientist) Virology lab, Dept.  
of Microbiology  
Pt. JNM, Medical College, Raipur,  
C.G



**Dr. Pushpanjali Ojha**  
Assistant Professor  
(Trauma Pathology)  
RIMS, Ranchi, Jharkhand,  
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