

Two days Workshop
on

“Meta-Analysis and Systematic Review for Agricultural Studies (NAU-MARS)”

On

August 19-20, 2026

Organized by

Department of Agricultural Statistics
N. M. College of Agriculture

Navsari Agricultural University, Navsari

Under

NAU-CENTRA Project
(Establishment of Centralized Training and Advanced Data Analytics Hub)

Last date of Registration: 15th August, 2026

Registration link: <https://forms.gle/rC5rdEuCjEKJeJoz9>

Venue: Department of Agricultural Statistics, N. M. College of Agriculture,
Navsari Agricultural University, Navsari - 396 450

About workshop

"Evidence becomes knowledge when individual studies are systematically synthesized into meaningful scientific conclusions"

Meta-analysis is a statistical approach used to combine results from several independent research studies, while a systematic review follows a structured process to identify, evaluate and synthesize available scientific evidence. These methods are particularly useful in agriculture, where research findings can vary according to crop, location, climate, soil, management practices and experimental conditions.

The Department of Agricultural Statistics, N. M. College of Agriculture, Navsari Agricultural University, Navsari, under NAU-CENTRA (Establishment of Centralized Training and Advanced Data Analytics Hub), is organizing a Two-Day Workshop on "Meta-Analysis and Systematic Review for Agricultural Studies (NAU-MARS)".

The workshop will provide participants with both theoretical knowledge and hands-on training in systematic review and meta-analysis using R. Key topics include literature search strategies, review protocols, data extraction, effect size estimation, heterogeneity analysis, publication bias, forest and funnel plots, subgroup and sensitivity analyses. Designed for researchers, scientists, faculty members, and postgraduate students, the programme aims to strengthen evidence synthesis skills, promote reproducible research, and encourage the adoption of evidence-based methodologies in agricultural sciences.

Objectives

1. To understand the basic concepts and principles of systematic review and meta analysis in agricultural research.
2. To identify and evaluate relevant agricultural research studies using a systematic literature-search approach.
3. To learn methods for data extraction, study quality assessment, and effect-size estimation.
4. To conduct meta analysis through various Statistical Tools

Eligibility

Faculties, Scientist, Researchers are eligible to attend this workshop. Registration is mandatory for participation. Seats are limited to 35 participants. Registration will be confirmed on a first-come, first-served basis.

Important Dates

Last date for registration: August 15, 2026

Announcement of selected list of participants: August 16, 2026

President



Dr. R. M. Naik
Hon'ble Vice Chancellor
Navsari Agricultural University,
Navsari, Gujarat

Chief Guest



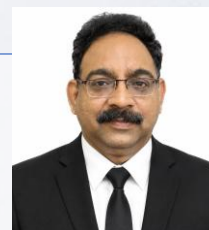
Dr. T. R. Ahlawat
Director of Research & Dean PG
Studies
Navsari Agricultural University,
Navsari, Gujarat

Convener



Dr. P. B. Patel
Principal & Dean,
N. M. College of Agriculture,
Navsari Agricultural
University, Navsari, Gujarat

Co-Convener



Dr. Alok Shrivastava
Professor & Head,
Department of Agricultural Statistics,
N. M. College of Agriculture
NAU, Navsari, Gujarat

Organizing Secretaries



Dr. Nitin Varshney
Assistant Professor,
NMCA, NAU,
Navsari



Dr. P. R. Vekariya
Assistant Professor,
NMCA, NAU,
Navsari

Coordinators



Dr. A. P. Chaudhary
Assistant Professor,
ACH, NAU, Navsari

Keynote Speakers



Dr. Anju Sinha
ICMR Emeritus Scientist
Former Scientist F & Deputy Director
General, Division of Reproductive
Biology Maternal and Child Health,
New Delhi



Dr. Neha Patel
Associate Professor,
Department of Community
Medicine
GMERS, Valsad



Dr. Swati Varshney
Post Doctoral Scientist
AIIMS, New Delhi



Dr. K Yamini Priyanka
Project Research Scientist III
Indian Council of Medical
Research, New Delhi



Dr. Avinash Gopa
Founder & CEO,
Avyagraha Research and
Analytics LLP,
Ramasagara, Ballari, KA

Schedule

Day 1:: 19-08-2026

Inaugural Session

Registration & Kit Distribution

08:30-09:30 hrs.

Lightening of Lamp & Prayer

Welcome Note & Flower presentation

Ms. Sejal Muniya

09:30 – 09:35 hrs.

Introduction of the Workshop

Dr. Alok Shrivastava

09:35 – 09:40 hrs.

Address by Convener

Dr. P. B. Patel

09:40 – 09:45 hrs.

Remarks by Chief Guest

Dr. T.R. Ahlawat

09:45 – 09:55 hrs.

Felicitation of the Dignitaries

09:55 – 10:00 hrs

Presidential address

Dr. R. M. Naik

10:00 – 10:15 hrs.

Vote of Thanks

Dr. Nitin Varshney

10:15 – 10:20 hrs.

Tea Break

10:20 – 10:30 hrs.

Technical Sessions::

Day 1: Systematic Review Methodology

10:30 – 11:30

Introduction to Systematic Review and Meta-Analysis for Agricultural Studies

11:30 – 12:30

Formulating research questions and Review protocol

Lunch Break

14:00 – 15:00

Databases for agriculture (Scopus, Web of Science, CAB Abstracts, AGRIS, Google Scholar), PRISMA flow diagram

15:00 – 16:00

Hands On: Run a live search on Screening and Selection

16:00 – 17:00

Literature Search Strategies and Database Searching

17:00 – 18:00

Data Extraction for Meta-Analysis

Day 2:: 20-08-2026

Technical Sessions::

Day 2: Meta-analysis Methodology and Applications

08:30 – 09:30

Effect Sizes and Basic Concepts of Meta-Analysis

09:30 – 10:30

Meta-Analysis Models and Heterogeneity

10:45 – 11:45

Conducting Meta-Analysis using R,

11:45– 12:45

Forest Plot, Funnel Plot and Publication Bias

Lunch Break

14:00 – 15:00

Subgroup Analysis and Meta-Regression

15:00 – 16:00

Interpretation and Reporting of Results

Valedictory Session

16:00 to 17:00

About Navsari Agricultural University, Navsari

Navsari Agricultural University (NAU), established on 1 May 2004 under the Gujarat Agricultural University Act, 2004, is a premier institution dedicated to agricultural education, research, and extension in South Gujarat. The university campus is located about 3 km west of Navsari city and houses undergraduate and postgraduate colleges in the faculties of Agriculture, Horticulture, Forestry, and Agribusiness Management. Since its establishment, NAU has made significant contributions to agricultural education, research, and technology dissemination. Navsari is well connected by road and rail to major cities across India. The nearest airport is Surat, located approximately 35 km away. The historic village of Dandi, the destination of Mahatma Gandhi's 1930 Salt March and home to the National Salt Satyagraha Memorial, is situated about 13 km west of Navsari.

Accommodation

Selected participants will receive free boarding and lodging at the university guest house. Food expenses will be covered by the organizers as per University norms. Participants should not bring family members due to limited Guesthouse facilities. No travel allowance (TA) or daily allowance (DA) will be paid to the participants.

Contacts

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National Salt Museum, Dandi



Sanskrutik Gaudham, Navsari



Swaminarayan Temple, Navsari



Daman

