



ICASSSD

International Center for
Applied Systems Science for
Sustainable Development

THIRD RESEARCH SCHOOL

ON

DYNAMIC SUSTAINABLE SOLUTIONS

MAY - AUGUST 2025

FORMAT OF THE SCHOOL (ONLINE)



Introduction

Sustainable development and sustainability are inherently multi-disciplinary because they concern a complex system having economic, technological, ecological, political, and other perspectives. Sustainability is enabled by technological advances but is a social construct and needs to be economically viable.

Therefore, there is a need to take the discussion on sustainability and sustainable development beyond its traditional and confined limits within the academic disciplines of engineering, technology, economics or geography or political science and analyse the problems through a multidisciplinary and trans-disciplinary approach, and holistic, integrative, and critical thinking.

International Centre for Applied Systems Science and Sustainable Development (ICASSSD) is pleased to announce its third research school on **'Dynamic Sustainable Solutions'**.

Objectives

1. Co-Author a research paper at the end of the school
2. Discuss, debate and research *Sustainable Solutions* in multi-disciplinary teams
3. Learn from researchers, faculty and industry leaders





Schedule

MAY 24, 2025

Opening Workshop: *Panel Discussion on Dynamic Sustainable Solutions for Next Century*

MAY 31, 2025

Technical Session 1: Introduction to Research & Research Process
Discussion Session 1: Identification of Topics for Research

JUNE 7, 2025

Technical Session 2: Research Ethics
Discussion Session 2: Preparation of Research Proposal

JUNE 14, 2025

Technical Session 3: Seven Ages of Globalization
Discussion Session 3: Group Work on Research Paper

JUNE 21, 2025

Technical Session 4: Ages of Globalization: Greatest Challenges of 21st Century
Discussion Session 4: Progress Presentations

JUNE 28, 2025

Technical Session 5: Systems Thinking
Discussion Session 5: Group Work on Research paper

JULY 5, 2025

Discussion Session 6: Group Work on Research Paper

JULY 19, 2025

Discussion Session 7: Group Work on Research Paper

AUGUST 9, 2025

Discussion Session 7: Group Work on Research Paper

AUGUST 23, 2025

Finalization of Research Paper

AUGUST 30, 2025

Final Workshop: Presentation of Final Papers

WEEKLY SESSIONS ON WEEKENDS FROM 10AM-12 NOON EST

Some examples of themes/ topics that students may work on

- ▶ Agroecology and Sustainable Food Systems
- ▶ Green Engineering
- ▶ Greenhouse Gas Emissions
- ▶ Circular Economy and Corporate Sustainability
- ▶ Socio - economic aspects of Sustainable development: Poverty/ Gender/ Climate Change

The benefit of Attending the Research School

- ▶ Co-author a Research Paper which will be published in a compendium at the end of the school. Students may send their work for publication to reputed journals with proper acknowledgement and co-authorship to mentors from ICASSSD.
- ▶ Certificate of Participation for all researchers
- ▶ Reference Letter and Volunteer Hours on request
- ▶ Opportunity to work in multi-disciplinary groups and look at problems in a holistic manner.
- ▶ Opportunity to work with researchers, faculty and industry leaders.
- ▶ Future Summer Job Opportunities with ICASSSD

Who should attend?

Young researchers in applied sciences, environment, economics, management, sustainability, and technology.

There are No Fees for participants.

**Last Date of Registration:
May 3, 2025**



SCAN ME

To Apply - <https://forms.gle/d7aN7gDu3HLiH3Bz8>



DR SACHIN CHATURVEDI
Director, Research and Information Systems
for Developing Countries (RIS)



PROF. PAMI DUA
Former Director,
Delhi School of Economics



PROF. C PATVARDHAN
Director, Dayalbagh
Educational Institute (DEI)



DR. GUR SAROOP SOOD
President, Ra Dha Sva Aa Mi
Satsang Sabha, Dayalbagh &
Dayalbagh Educational Institute



MS. PREETIKA GHAI
Sr. Director of Manufacturing,
Rich Products Corporation



SELECTED ADVISORS & MENTORS



MR. PRASAD SATYAVOLU
Lead, Industry X manufacturing



DR AATMESH SRIVASATAVA
Northeastern University



PROF. SARUP RANI MATHUR
Dean's Fellow & Professor,
Arizona State University



PROF. KARMESHU
Former Professor,
Jawaharlal Nehru University



PROF. KEITH HEIPEL
Professor, University
of Waterloo





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About ICASSSD

ICASSSD is a not-for-profit International Research Organization headquartered in the Kitchener-Waterloo Region in Canada (the Silicon Valley of Canada). It has been established by Ra Dha Sva Aa Mi Satsang Sabha Dayalbagh and Dayalbagh Educational Institute (DEI) to advance research-driven solutions for sustainable development. It operates as a collaborative platform, integrating **spiritual, academic, and scientific insights** to address global sustainability challenges.

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'At ICASSSD, I gained valuable knowledge and had the opportunity to collaborate with students and professors worldwide. Despite my initial nervousness about research, the supportive environment helped me develop skills in data collection, literature reviews, and interdisciplinary collaboration. The research school's multidisciplinary approach allowed me to work with experts beyond my field, making the experience truly enriching. I'm grateful for the opportunity to learn and connect with such an inspiring community!'

-Dailin Huang, McGill University



The Research School gave me a great introduction to the research process! It was a wonderful environment to learn this process because it allowed me to investigate a topic of strong personal interest, that being sustainable dietary practices around the world.

-Luke Rossi, Brown University

