

**NATIONAL CONFERENCE OF THE ANATOMICAL SOCIETY OF INDIA (NATCON  
73) – 2026**

Sri Lalithambigai Medical College & Hospital, Chennai

From Ideas to Manuscript: AI-Assisted Research Writing

**Resource persons**

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Dr Ashwini R  
Associate Professor of Orthopaedics  
Sri Lalithambigai Medical College and Hospital  
Chennai

**Workshop Date: 26.11.2026**



**Dr Madhan Jeyaraman**



**Dr Karthika Padmavathy**



**Dr Preethi S**



**Dr Lavanya R**



**Dr Ashwini R**

## Objectives

By the end of the workshop, participants will be able to:

- Develop research questions, hypotheses, and objectives using AI-assisted tools.
- Perform AI-assisted literature searching, evidence synthesis, and reference management.
- Apply prompt engineering to generate and refine scientific manuscripts using the IMRaD format.
- Enhance the quality, clarity, and publication readiness of research manuscripts with AI assistance.
- Practice the ethical, transparent, and responsible use of AI in scientific research and publishing.

## Session Plan

| Time                 | Topic                                                                               | Faculty                                                                                       |
|----------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| 9.30 am to 10.00 am  | Introduction to Artificial Intelligence in Scientific Research and Academic Writing | Dr Preethi S                                                                                  |
| 10.00 am to 10.30 am | Responsible Use of AI: Reporting and Disclosure of AI in Scientific Manuscripts     | Dr Karthika Padmavathy<br>Dr Ashwini R                                                        |
| 10.30 am to 11.00 am | Hands-on Workshop: AI-Assisted Research Question and Hypothesis Generation          | Dr Madhan Jeyaraman<br>Dr Karthika Padmavathy<br>Dr Preethi S<br>Dr Lavanya R<br>Dr Ashwini R |
| 11.00 am to 11.15 am | Tea break                                                                           |                                                                                               |
| 11.15 am to 11.45 am | AI-Tools for the Complete Research Workflow: From Ideation to Publication           | Dr Karthika Padmavathy<br>Dr Ashwini R                                                        |
| 11.45 am to 12.15 pm | Prompt Engineering for Biomedical Research: Principles and Best Practices           | Dr Madhan Jeyaraman                                                                           |

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| 12.15 pm to 12.45 pm | Hands-on Workshop: AI-Assisted Data Analysis, Results Interpretation, and Scientific Reporting              | Dr Madhan Jeyaraman<br>Dr Karthika Padmavathy<br>Dr Preethi S<br>Dr Lavanya R                |
| 12.45 pm to 2.00 pm  | Lunch break                                                                                                 |                                                                                              |
| 2.00 pm to 2.30 pm   | AI-Assisted Literature Review, Evidence Synthesis, and Reference Management                                 | Dr Madhan Jeyaraman<br>Dr Lavanya R<br>Dr Ashwini R                                          |
| 2.30 pm to 3.00 pm   | Live-Demonstration: AI-Assisted Manuscript Development – from Outline to First Draft                        | Dr Madhan Jeyaraman<br>Dr Karthika Padmavathy<br>Dr Preethi S<br>Dr Lavanya R                |
| 3.00 pm to 4.00 pm   | Live-Demonstration: Human Intelligence (HI) + Artificial Intelligence (AI) Collaborative Scientific Writing | Dr Madhan Jeyaraman<br>Dr Karthika Padmavathy<br>Dr Preethi S<br>Dr Lavanya R , Dr Ashwini R |