



**Three days training programme**  
on  
**AYURVEDA RESEARCH METHODOLOGY AND STATISTICS (ARMS)**  
for  
**Ph.D / MD/ MS (Ayurveda) Students**

#### ABOUT THE TRAINING PROGRAMME

Central Council for Research in Ayurvedic Sciences is an autonomous organisation under Ministry of AYUSH. The Council has initiated a training programme on "Ayurveda Research methodology and Statistics" in order to facilitate the students pursuing their MD/MS in Ayurveda. This scheme aims to guide the students in planning and development of their research synopsis and will enhance their skills in medical writing. The students will be guided on the key aspects of a research synopsis like choosing an appropriate study design, sample size calculation, framing of quantifiable research outcomes, application of appropriate statistical methods for analyzing the research data, interpretation of the results, etc. The students will also be guided on how to scientifically write their research articles. This scheme aims to promote the research acumen among the students pursuing their post graduation in various Ayurveda Colleges across the nation.

**Duration of the training:** Three days (20<sup>th</sup> February – 22<sup>nd</sup> February, 2023)

**Venue:** Central Ayurveda Research Institute, Punjabi Bagh, New Delhi

#### Who can apply (Eligibility)

MD/ MS (Ayurveda) / Ph.D students who are pursuing their degree from any of the NCISM approved Ayurveda College located in Delhi.

**Last date of application:** 9<sup>th</sup> February, 2023

**Date of intimation to the shortlisted candidates:** 10<sup>th</sup> February, 2023

**Last date for submission of registration fees:** 15<sup>th</sup> February, 2023

#### How to apply

Students are required to fill the Google form from the below mentioned link.

<https://forms.gle/4UC3wgyWGqXb2XMQ8>

The students are also requested to fill the detailed application form given at Annexure-I of this advertisement and upload the same in the Google form link provided above.

- ✓ The application forms should be countersigned and duly certified by the guide of the student.
- ✓ Applications incomplete in any aspect and without signature of guide and the head of the institution will not be accepted.

#### Maximum number of participants

30 (Thirty) students will be selected for the training. Selection of the candidate will be done on first come first serve basis.

#### Registration fees

Rs. 1000/- (Rupees one thousand only). Registration fees include workshop kit, study material, lunch and refreshment. On being shortlisted, candidates will receive an e-mail from the Council which will contain the bank account details. Candidates are required to pay the registration fees through IMPS/NEFT within 5 days of the receipt of the e-mail in the bank account details shared with them. Candidates are required to share the screenshot of the payment done by them through the return e-mail at [trainingsccras@gmail.com](mailto:trainingsccras@gmail.com). Candidates for whom the registration fees will not be received within 5 days, will not be allowed to attend the training.

Candidates are required to bring the copy of their research synopsis for detailed discussion during the training programme.

#### Travel expenses

Students will have to bear their travel expenses for reaching the venue from their respective colleges.

#### ABOUT THE FACULTY



**Prof. R.M. Pandey, Retd. HOD, Department of Bio-statistics, AIIMS, Delhi**

After doing his master's degree in Statistics from Kanpur University, Dr Pandey did two years of training in population studies from International Institute for Population Sciences (IIPS), Mumbai. Dr Pandey has Ph.D. degree from Indian Institute of Technology (IIT), Powai, Mumbai.

Dr. Pandey's areas of major interest include epidemiology of non-communicable diseases. He has more than 150 research publications in reputed international and national medical journals. Dr Pandey is a coordinator of Regional Statistical Support Group (RSSG) for the studies on STEPS approach in SEARO of WHO. Dr Pandey was Principal Investigator for Delhi site on "Survey of Abuse in Family Environment In India (IndiaSAFE)", a multi site study funded by the International Center for Research on Women, Washington, USA. He has also been a co-investigator in the evaluation of various National Programmes in India such as Pulse Polio and Family Health Awareness Programme, assessment of injection practices in India.



**Dr. Atul Juneja, Retd. Scientist – F, NIMS, ICMR, Delhi**

Dr. Juneja has a Ph.D in Statistics. He has been retired as Scientist-F from National Institute of Medical Statistics, ICMR, Delhi. He has more than 30 years of experience in the designing and analysis of clinical trials. He has been visiting faculty at various research institutions and colleges and have delivered more than 70 guest lectures in various capacity building programmes. He has more than 60 research publications in journals of national and international repute to his credit. He has been an active member of the DNB committees of hospitals like B.L.Kapur and Jaipur Golden. He is the member of Interdisciplinary Task Research Committee constituted by Ministry of Ayush. He is an active member of the Internal Scrutiny Committee and Project Evaluation Monitoring Committee of CCRAS.



**Dr. Tulsi Adhikari, Scientist – F, NIMS, ICMR, Delhi**

Dr. Tulsi Adhikari, Ph.D. Statistics, working at ICMR-National Institute of Medical Statistics as Scientist 'F'. She is coordinator of the "Clinical Trials Registry-India" She has authored 70 research publications in National and International Journals of Repute. She is recipient of Prof. P.V. Sukhatme award and Dr R.N.Srivastava award of Indian Society of Medical Statistics. Being a Scientist at ICMR-NIMS, she has provided guidance on study design, sample size, statistical analysis to hundreds of students from medical colleges and researchers.

**PROGRAMME SCHEDULE**

**Basic Bio-statistics training**

S. No	Module	Speaker	Duration in hrs
<b>Day 1 (20<sup>th</sup> February, 2023)</b>			
1)	Statistics: definition, type of variables and type of data and graphical representation of the data	Dr.Tulsi Adhikari, Scientist F, NIMS, ICMR, Delhi	10:00 am – 11:30 am
2)	Hands on training (Case Scenario discussion and group activity)	Dr. Rakesh Kumar Rana	11:30 am – 01:00 pm
<b>Lunch break</b>			
3)	Hypothesis testing	Dr.Atul Juneja, Retd. Scientist-F, NIMS, ICMR, Delhi	02:00 pm – 03:30 pm
<b>Tea break</b>			
4)	Case Scenario discussion and Hands on training	Dr. Arunabh Triapthi	04:00 pm – 05:00 pm
<b>Day 2 (21<sup>st</sup> February, 2023)</b>			
1)	Sample size calculation	Prof. R.M. Pandey, Retd. HOD, AIIMS, Delhi	10:00 am – 11:30 am
2)	Hands on training (Case Scenario discussion and group activity)	Dr. Richa Singhal	11:30 am – 01:00 pm
<b>Lunch break</b>			
3)	Sampling techniques	Dr. Arunabh Tripathi, Statistical Officer, CCRAS	02:00 pm – 03:30 pm
<b>Tea break</b>			
4)	Hands on training (Case Scenario discussion and group activity)	Ms. Anukampa Singh, SRF (Statsitics)	04:00 pm – 05:00 pm
<b>Day 3 (22<sup>nd</sup> February, 2023)</b>			
1)	Statistical tests for continuous and categorical outcomes	Dr. Rakesh Kumar Rana, Statistical Officer, CCRAS	10:00 am – 11:30 am
2)	Case Scenario discussion and hands on training	Sh.Ankit Jaiswal, Statistical Assistant	11:30 am – 01:00 pm
<b>Lunch Break</b>			
3)	Correlation and regression	Dr. Richa Singhal, Statistical Investigator, CCRAS	03:00 pm – 04:00 pm

**COORDINATED BY CCRAS STATISTICAL SECTION AND CARI DELHI**

**Dr. Rakesh Kumar Rana, Ph.D (Statistics), M.Sc (Statistics), MCA**

Statistical Officer, CCRAS

**Dr. Arunabh Tripathi, Ph.D (Health Statistics), M.Sc (Health Statistics)**

Statistical Officer, CCRAS

**Dr. Shweta Mata, Ph.D (Ay.), MD (Ay.)**

Research Officer (Ayurveda), CARI, Delhi

**Dr. Shweta Chaudhary, MD (Ay.)**

Research Officer (Ayurveda), CARI, Delhi

**Dr. Richa Singhal, Ph.D (Statistics), Master of Statistics (M.STAT)**

Statistical Investigator, CCRAS

**Sh. Ankit Kumar Jaiswal, M.Sc (Operations Research)**

Statistical Investigator, CCRAS

Patron

**DR. RABINARAYAN ACHARYA**

Director General, CCRAS

Programme co-ordinator

**DR. BHARTI, Director, CARI, Punjabi Bagh, Delhi**

Organizing Chairman

**DR. N. SRIKANTH**

Deputy Director General, CCRAS

Organizing Secretary

**Dr. Rakesh Kumar Rana, Statistical Officer, CCRAS Hqrs, Mobile No. 9818478514, 8920109521, E-mail: trainingsccras@gmail.com**

**Venue – Central Ayurveda Research Institute, Punjabi Bagh, New Delhi**