



Laboratory for Conservation of Endangered Species,
Centre for Cellular and Molecular Biology, Hyderabad



National Mission on Himalayan Studies
Government of India



Centre of Research for Development
University of Kashmir, Hazratbal

Two day workshop on basics of R for Ecology

Learn the essentials of R Programming - R Beginner Level!

Organizer: Centre for Cellular and Molecular Biology (CSIR-CCMB), Hyderabad

Venue: Centre of Research for Development (CORD), University of Kashmir, Hazratbal, Srinagar.

Date: 12-13, March 2020.

About the Workshop: R is an open-source, widely used, and increasingly popular tool for statistical and data analyses, geospatial analysis, modelling, and a growing number of other applications. This workshop aims at giving hands on training to the participants on various aspects of data handling and analysis using R. *No prior knowledge of R is required!*

Important: Applicants must get NOC from the parent department for participation in the workshop (i.e. approval from Director/HOD/Guide with sign & seal on the application form).

Essential requirements: Laptop to Run R and R studio. R/R studio, various R packages and data files will be provided at the venue.

Seats: 25 + (5 reserved)

Participant Fee: Nil

Who should apply: PhD researchers of KU from Ecology/Biological Sciences/Environmental Sciences.

How to apply: Get the registered application form from the office CORD, fill it (with NOC) and submit to the Office, CORD, KU before **25th February, 2020**.

Course content

- Introduction to R
 - Installation of R and R studio
 - Installation of R packages
 - CRAN repository
- Working with Data in R
 - Import and export of data
 - Loading R packages
 - Looking at structure of data
 - Saving R session and R codes
- Data analysis
 - Statistical tests
 - Linear regression
 - Ordination analysis
 - Environmental Niche overlap
- Data visualization
 - Plotting data
 - Exporting plots and graphs
- Troubleshooting

Local course coordinator: Dr. Tawqir Bashir, INSPIRE Faculty, CORD, KU. Contact: +91 9906599481.

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