

## Organizing Committee

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Sh. Rajesh Kumar, FSI, Dehradun

Dr. Neelu Gera, DDG(Edu), ICFRE

### VENUE

Indian Council of Forestry Research and Education, Dehradun

**All correspondence may be addressed to**

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### REGISTRATION

Participants are required to send fill-in registration form and registration fee receipt through e-mail to *Dr. Girish Chandra, Scientist-C* along with a brief CV. The registration fees must be deposited in the account through RTGS/NEFT or direct deposit in the account mentioned in the registration form in the following account after acceptance of the participation.

Last date of submitting the registration form and abstract (if any) is **12th April 2018**

### REGISTRATION FORM

(Please write in BLOCK LETTERS)

National Workshop on

*Recent Advances in Statistical Methods and Applications in  
Forestry and Environmental Sciences (RASMAFES)*

May 23-25, 2018

Indian Council of Forestry Research and Education

Name: Dr./Mr./Ms./Mrs.: .....

Designation/Category: .....

Organization: .....

Mailing Address: .....

..... Pin Code: .....

Phone: (off): ..... (res) : .....

Mobile: ..... Fax : .....

Email: .....

Please tick in the appropriate box:

I plan to attend the workshop only ☐

I intend to present a paper ☐

Title of the Abstract/Paper : .....

Thematic area (given overleaf).....

Accommodation Required: Yes/No

I enclose my registration Fee\* Yes/No

Amount and enclosed Fee receipt No. : .....

CV attached: Yes/No

Arrival Date and Time: .....

Departure Date and Time: .....

Date:

Place:

Applicants Signature

Details of Bank Account for depositing the Registration Fees:

Account No: 496902010089135  
Account Name: RASMAFES 2018  
Bank: Union Bank of India  
Branch: FRI, Dehradun  
IFSC code: UBIN 0549690

### \*REGISTRATION FEES:

Scientists/Faculty members Rs.2000/-  
Students/Research Fellows (limited): Rs.500/-

**Note:** Registration Fee once deposited shall not be refunded.

## National Workshop

### *Recent Advances in Statistical Methods and Applications in Forestry and Environmental Sciences (RASMAFES)*

May 23-25, 2018

Organized by

### Division of Forestry Statistics Indian Council of Forestry Research and Education

(An autonomous body under Ministry of Environment, Forest and  
Climate Change, Government of India)

P.O. New Forest, Dehradun, Uttarakhand

[www.icfre.org](http://www.icfre.org)



Ministry of Statistics and  
Program Implementation  
Government of India



Indian Council of  
Forestry Research  
and Education

## ABOUT ICFRE AND DIVISION OF FORESTRY STATISTICS

Indian Council of Forestry Research and Education (ICFRE), an apex body in the national forestry research system, has been undertaking the holistic development of forestry research through need based planning, promoting, conducting and coordinating research, education and extension covering all aspects of forestry.



The Division of Forestry Statistics at ICFRE HQ was established with the mandate to: (i) To conduct research into statistical aspects of forestry by way of adapting existing and developing new statistical techniques for forestry (ii) To build statistical capacity of researchers and managers by conducting training programmes in statistical methodologies (iii) To provide statistical services (research design and data analysis) to the researchers of ICFRE (iv) To create and maintain databank of statistics pertaining to the forestry sector and disseminate them by way of statistical reports and publications sector confronting India.

### ABOUT DEHRADUN

Dehradun, the capital of Uttarakhand, is 250 km from New Delhi by road and lies in the foothills of the Himalayas nestled between two of India's mightiest rivers — the Ganges on the east and the Yamuna on the west. It is well connected by road, rail and air and is in proximity to popular Himalayan tourist destinations such as Mussoorie, Shimla, Auli and the Hindu holy cities of Haridwar and Rishikesh along with the Himalayan pilgrimage circuit. The city of Dehradun has various tourist spots like Tapkeshwar Mahadev Temple, The Shahastradhara (a spring of water), Malsi Deer Park, Robber's cave, Budha Temple, Lachiwala, Rajaji National Park etc.

### ABOUT THE WORKSHOP

The knowledge of statistical methods is essential for the researchers of forestry and environmental sciences, right from the planning of the experiments or sample surveys to collection of data, their analysis and interpretation. This

helps in drawing valid and reliable inferences of specified objective under procedurally and economically optimized way. In recent years, there has been phenomenal upsurge of knowledge, advancement of technologies and development of user friendly software for improving valuable results in research. However, either due to lack of number of statisticians or the lack of background knowledge about Statistics the researchers are, perhaps, not aware much about the new advancements in the theory as well as applications of the multidisciplinary areas of Statistics. This results in weak interpretation and valid inference about the results of the experiments. This multidisciplinary areas of Statistics may comprise forest biometry for the development and application of statistical methods to assess, estimate, and evaluate biological characteristic and process of forests, sampling techniques for estimating the important parameters of the abundance of one or more forest resources, design of experiments in order to gain a better understanding of trees, stand, and forest responses and minimized the biasness and experimental errors, multivariate analysis for finding and interpreting the analysis pertaining to correlation, behavior etc of two or more variable altogether. Thus, there is a need to familiarize with the recent developments in these fields along with the knowledge of soft computing and associated procedures to ensure their proper applications. The present workshop will motivate us in using new technologies pertaining to Statistics in forestry and environment sectors. Recently developed softwares like R, Matlab, Statistica, Mathematica etc. etc. in analyzing the collected data in the most efficient way shall also be the part of the workshop.

### OBJECTIVES OF THE WORKSHOP

- To familiarize the researchers of forestry and environmental sciences to the basics and introduce to them the recent developments in multidisciplinary data science.
- To expose the researchers to the modern developments of deterministic modelling in the areas of applied Statistics with the motivations and enhancements to their generalizations to the corresponding stochastic models.
- To promote the interaction and collaboration between academicians/researchers at the national level with the emerging real-life problems in our national scenario in the areas of environmental sciences with emphasis to forestry statistics
- To facilitate and coordinate the development of environment and forestry statistical methods in statistical software R (freely available) and possibly STATISTICA/MATHEMATICA/MATLAB/SPSS/Systat.

The technical sessions of the workshop will consist of invited lectures by eminent speakers and oral presentation of paper by selected participants in the following **thematic areas**:

- **TA1-Recent Advances in Applied Statistics**
- **TA2-Important Designs and Models for Forestry Experi-**

**ments**

- **TA3-Recent Advances in Sampling Techniques**
- **TA4- Modern Developments in Exploratory Data Analysis**
- **TA5-Advanced Statistical Computations using R/ STATISTICA/MATHEMATICA etc.**

### CALL FOR NOMINATIONS

The Interested participants are required to submit their CV/ abstract/full length paper etc. through email to **Dr. Girish Chandra** on [rasmates2018@gmail.com](mailto:rasmates2018@gmail.com); [chandrag@icfre.org](mailto:chandrag@icfre.org) in MS word Format (Times New Roman 11 pt, 1.5 spacing, left and top margin 2", right and bottom margin 1" ). The CV (not more than two pages) should include area of interest, publications (if any) in the areas of forestry/environmental sciences etc. Important guidelines for the abstract/paper are as:

**Title:** The title should indicate contents precisely (not more than 10-15 words long ,14 pt **bold**).

**Author information:** Name, complete mailing address, telephone number, fax and e-mail address of all the authors (Name of presenting author should be underlined).

**Abstract:** Abstract should be accurate representation of the paper and not exceeding 250 words.

**Keywords:** Not exceeding 6 words (11 pt **bold** and *italics*).

**Text:** The text should contain an introduction, materials and methods, results, discussion, conclusion and literature cited. Paper should be limited to 3000 words.

**References:** In the text, the references should be indicated (within parenthesis) by the author (s) name (s) and year. The references should be listed alphabetically by the author's last name in the following format.

(only few papers shall be selected for the presentation and will be published in the form of refereed proceedings like Springer)

### IMPORTANT DATES:

<b>12th April 2018:</b>	Receipt of CV/Abstract/Registration Form
<b>20th April 2018:</b>	Scrutiny/acceptance of papers
<b>28th April 2018:</b>	Deposit of Registration fees
<b>May 23-25, 2018:</b>	Workshop

### ACCOMMODATION

Only limited accommodation on payment basis is available in FRI's Scientist Hostel/Officers Rest House on twin-sharing basis. There are plenty of hotels at Dehradun nearby ICFRE.