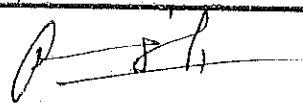


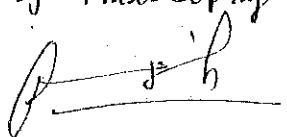
ANNEXURE I

GUIDELINES
FOR
ESTABLISHMENT, SELECTION AND
OPERATIONALISATION
OF
CHAIRS OF EXCELLENCE
IN
INDIAN COUNCIL OF FORESTRY
RESEARCH AND EDUCATION
DEHRADUN



Abbreviations:

- ADG (Education)** - Assistant Director General (Education)
- DDG (Education)** - Deputy Director General (Education)
- DDG (Research)** - Deputy Director General (Research)
- DG, ICFRE** - Director General, Indian Council of Forestry Research and Education
- Director, FRI** - Director, Forest Research Institute
- FGRMN** - Forest Genetic Resource Management Network
- FRIDU** - Forest Research Institute Deemed University
- FRI** - Forest Research Institute
- ICFRE** - Indian Council of Forestry Research and Education
- IFGTB** - Institute of Forest Genetics & Tree Breeding
- Ph.D** - Doctor of Philosophy



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1. Introduction

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 in synchrony with its vision *To generate, preserve, disseminate and advance knowledge, technologies and solutions for addressing the issues related to forests and promote the linkages arising out of interactions between people, forests and environment on a sustained basis through research, education and extension.* The Council deals with the solution based forestry research in tune with the emerging issues in the sector, including global concerns such as climate change, conservation of biological diversity, combating desertification and sustainable management and development of resources.

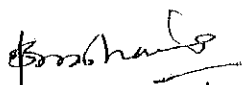
The ICFRE has its presence throughout the country with its eight research institutes and four research centres located in different bio-geographical regions of the country to cater to the forestry research needs of the nation.

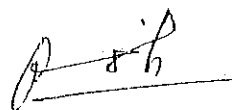
Forest Research Institute, Dehradun, a premier institute in forestry and environment in the country for more than a century was conferred the status of a Deemed to be University in December 1991. It aims at generating and disseminating knowledge in forestry sector to the young students through Doctoral, Post Graduate and Diploma courses in forestry and allied sciences.

In its quest for excellence, ICFRE has been taking several initiatives in frontier areas of Forestry Research and Education. In consonance with these initiatives, with a view to attract eminent personalities and researchers to facilitate qualitative enhancement in research and education, it has been decided to award **chairs** of Excellence (CoE) in ICFRE, the apex Research & Development organization. To begin with, following four **chairs** of Excellence are to be established:-

- (i) Forest and Climate Change
- (ii) Forest Biometrics and Productivity Management
- (iii) Biodiversity and Ecology, and
- (iv) Forest Genetics Resource Management Network (FGRMN)

The three chairs of Excellence on Forest & Climate Change, Forest Biometrics and Productivity Management and Biodiversity & Ecology are to be established at FRI, Deemed University, Dehradun and aim in the bringing eminence in forestry research, and facilitate development of academic pool in the long run. The programme is intended to enhance research, education and training capacity of scientists, forestry personnel and students by bringing them in contact with national/international subject specific experts.





The fourth chair of Excellence in Forest Genetics Resource Management Network (FGRMN) is to be established at the Institute of Forest Genetics and Tree Breeding, Coimbatore which aims at attracting eminent personalities and outstanding researchers for coordinating, integrating and formulating integrated Forest Genetics Resource conservation and management strategies of the country. This will facilitate effective linkages with other national and international organizations to provide much needed impetus to forest tree genetics resource information and research network in the country. The chair will also facilitate education in this field and assist in enhancement of local academic pool in the long run.

2. DETAILS OF CHAIRS OF EXCELLENCE

2.1 Forest and Climate Change:

The unique ability of forests to simultaneously reduce greenhouse gas (GHG) emissions, capture and store carbon, and reduce the vulnerability of people and other ecosystem to climate change make them significant in changing climate regime. However forests are increasingly becoming vulnerable to markedly changing climate regime as their resilient and adaptive capacity is exceeded. There is an urgent need to understand and assess the vulnerabilities of forests and their adaptation to changing climate in the local context of economic, social, political, and environmental circumstances in order to ensure and maintain the long-term mitigation potential of forests,

The chair shall develop synergies between ICFRE and other national and international institute of repute working in the field of climate change and forestry by facilitating, strengthening and developing research networks and collaboration; formulation of research projects and concepts; assisting in the identification of funding resources in the form of scholarships, research funds, exchange visits; capacity building of various stakeholders; exploring employment opportunities; and, dissemination of information in the related field.

2.2 Forest Biometrics and Productivity Management

Champion and Seth forest type classification has under gone changes over time due to ecological succession, biotic interference etc, and if we are to know our present forest wealth, its quality and its future, we need to fill up the gaps. The institution of the chairs on forest bio-metrics and productivity management shall go a long way to achieve the above objectives as well as lay foundation for future.

The brief objectives of chair shall be knowing the latest area under the different Forest Types, working out the productive capacity of forests in term of growth, biomass, round timber and carbon sequestration, preparation of yield and volume tables for important timber and non timber species, determination of site quality indices of different sites in the country, working out the total growing stock of various species in the country, and also working out the increments put up by various species in different agro-climatic zones.

For more

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Chairs being qualified experts, shall also conduct lectures, workshops and seminars in their field of study, guide advance research in their fields, provide pro bono community services, including consulting functions (such as advising government, non-profit organizations and others), teach campus-based or online courses with the help of instructional technology, and train graduate/post graduate students/research scholars.

2.3 Biodiversity and Ecology

India has been recognized as one of the world's top 12 mega biodiversity nations. In flora the country can boast of 45,000 species and accounts for 15 percent of the known world plants. The loss of biological diversity is a global crisis. There is hardly any region on the earth that is not facing ecological catastrophes. It is reported that the current rate of biodiversity loss is the fastest ever. To conserve the rich biodiversity of our diverse ecosystems that are threatened by different anthropogenic stresses, our research endeavors need to be focused towards ecosystem restoration.

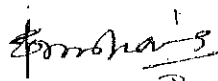
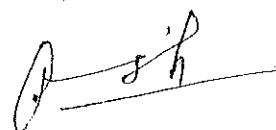
There is need to increase resilience of ecosystem, understand the factors limiting succession at each point of its progress and understand the dynamics of native plants and study the factors allowing them to be resistant to most pests and diseases. The visiting **chair** "*Biodiversity and Ecology*" is a step in the direction of stabilizing the ecosystems and the ecosystem services.

2.4 Forest Genetics Resource Management Network (FGRMN)

To attract eminent personalities and outstanding researchers for coordinating integrating and formulating Forest Genetics Resource (FGR) conservation and management strategies of the country "**Professor of Eminence chair**" shall be established. The **chair** on FGRMN will help coordinate integrated Forest Genetics Resource conservation and management to provide the needed impetus to forest tree genetics resources information and research network in the country. The **chair** will also facilitate education in the field of management and conservation of Forest Genetics Resource as well as assisting in enhancement of local academic pool in the long run.

The ICFRE has identified fields and objectives that will provide opportunities for enhancement of research, education and training capacity in key areas of institutional priorities, which will contribute substantively in achievement of institutional goals. The **chairs** will be utilized for meeting the challenges of new emerging research and academic issues.

3. The four **chairs** of Academic excellence are proposed to be established out of the corpus fund of Rs. 8.00 crores @ Rs. 2.00 crores per **chair** and the interest generated from the corpus fund shall be used for operationalisation of the **chairs**.



4. Objectives of Establishment of chairs

4.1 FRIDU chairs at Dehradun

- To bring in high quality academicians and professionals in the field of forestry.
- To create regional, national and international impact in the concerned areas of research and education.
- To enhance the employability of forestry students and promote avenues for young researchers in frontier areas.
- To develop the ability of scientists to attract resources.
- To strengthen collaborative research activities.

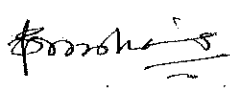
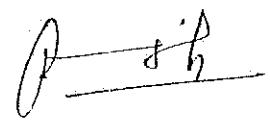
4.2 IFGTB chair at Coimbatore

- The **chair** shall endeavor to establish a world class centre in FGRMN leading to the formation of National Bureau for Forest Tree Genetics Resources.
- The **chair** will provide needed technical support to improve the quality of research in Forest Genetics Resource Management.

5. Scope of work

5.1 FRIDU, Dehradun

- Help develop FRIDU as a center of excellence in forestry education and research.
- Contribute to the development of academic pool.
- Bring national and international perspective in theme areas.
- Assist networking with the institutions, organizations and individual resources in the theme areas.
- Develop capacity building modules.
- Help in career advancement of students and enhance the employment avenues for forestry professional and young researchers.
- Develop teaching aids and materials.
- Deliver lectures and participate in different academic programmes of the University.
- Contribute to meet the challenges of new emerging research and academic issues.
- Help improving research writing and publications.



5.2 IFGTB, Coimbatore

- Facilitate formulation and coordination of integrated Forest Genetic Resource conservation and management strategies of the country.
- Help develop effective linkages with other national and international organizations to give impetus to forest tree genetics resource information and research network in the country.
- Contribute to education in the field of management and conservation of Forest Genetic Resource as well as assisting in enhancement of local academic pool in the long run.
- Bring about qualitative changes in research programmes.
- Networking with the institutions, organizations and individual resources in the specific areas.
- Develop capacity building of scientists, Research fellows and Forest Officials on Forest Genetic Resource Management.

6. Eligibility Criteria

The nominee should be a scholar of nationally and internationally recognized eminence and his/her contribution should have made a difference to the discipline. The difference to the discipline could be judged in terms of formulating new paradigm, hypothesis, concept etc, which has been recognized by peer group academics through publications and other forms of research output. He / She must have

- Master degree in the relevant subject
- 20 years of Forestry Research/Academic experience, having guided at least five scholars for Ph.D. in the relevant field OR a person having experience of 10 years in Forestry Research/Academics in the relevant field and 10 years field forestry.
- Evidence of active involvement in research or member/fellow of various national and international academic councils.
- Research and education orientation of National/ International level.
- Publication in National and International journals.

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P. S. H.

Prakash

7. Nationality

The person appointed to the **chair** may be a Indian or foreign national.
(Foreign National is subject to clearance by the ministry of external affairs)

8. Age

The person holding the position of **chair** shall not be more than 70 years.

9. Accounting procedure

The accounting procedure shall be as per Rules for "ICFRE Corpus Fund for establishment of **chairs** of excellence".

10. Selection Criteria

10.1 The selection to the **chairs** shall be made through open advertisement giving wide publicity through website and other means.

10.2 The selection shall be made through six members selection committee to be constituted by the Chancellor of the FRI Deemed University/DG, ICFRE.

10.3 The composition of the committee for the **chairs** at FRIDU, Dehradun shall be as below:

- DG ICFRE or a person authorized by him - Chairman
- Three outside experts on the subject - 3 Members
- DDG (Education), ICFRE/DDG (Research) ICFRE - Member
- Director FRI Dehradun - Member Secretary

10.3.1 The composition of the committee for the **chair** at IFGTB, Coimbatore shall be as below:

- DG ICFRE or a person authorized by him - Chairman
- Three outside experts on the subject - 3 Member
- DDG (Research) ICFRE - Member
- Director IFGTB, Coimbatore - Member Secretary

10.4 The Committee may, if necessary, call upon the person/persons shortlisted for making a presentation and interaction with the selection committee.

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- 10.5 The selection committee shall recommend a panel of names in order of merit for the **chairs** of excellence.
- 10.6 Chancellor of the FRI Deemed University/Director General ICFRE shall be the final appointing authority.

11. Honorarium and Facilities

- The remuneration to be paid to the **chair** shall be in the form of FRIDU/IFGTB **chair** Fellowship.
- The amount of the fellowship shall be a consolidated amount to the maximum of Rs. 80,000/- per month. Taxes etc. shall be deducted as per prevalent rules of the Government of India.
- The fellowship shall be paid by the FRIDU, Dehradun/IFGTB, Coimbatore as the case may be.
- Subject to availability, accommodation may be provided to the **chair** in the scientists hostel FRI Dehradun/ campus of IFGTB Coimbatore on usual payment of fees.
- The **chair** shall be allowed travelling expenses as per ICFRE Rules.
- The **chair** shall be provided a office space and secretarial assistance by the FRIDU, Dehradun/IFGTB, Coimbatore as the case may be.

2. Review

12.1 The progress/performance of the work assigned to the **chairs** in the FRIDU, Dehradun shall be reviewed by a committee to be constituted by the Chancellor, FRIDU, Dehradun. The constitution of the committee shall be as below:

Vice Chancellor of the University	Chairman
One outside subject expert	Member
Assistant Director General (Education)	Member
Dean, FRI Deemed University	Member Secretary

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The review committee shall assess the performance of the **chair** twice a year. The report of the performance should also be submitted to the Chancellor of the FRI University for his Information.

12.2 The progress/performance of the work assigned to a **chair** at IFGTB, Coimbatore shall be reviewed by a committee to be constituted by the DG, ICFRE. The constitution of the committee shall be as below:

Director, IFGTB, Coimbatore	- Chairman
One outside subject expert	- Member
Director (Projects & International Cooperation)	- Member
Head, FGRMN, IFGTB	- Member Secretary

The review committee shall assess the performance of the **chair** twice a year. The report of the performance should also be submitted to the Director General, ICFRE for his Information.

13. General conditions

- A memorandum of agreement shall be signed for each **chair** separately between the FRI Deemed University/IFGTB, Coimbatore as the case may be and the person appointed to the **chair**.
- The duration of the **chair** shall be up to the period of 12 months extendable by a maximum period of up to 12 months.
- The **chair** may leave the position giving one month advance notice or organization may decide to discontinue the services of the **chair** giving one month advance notice.

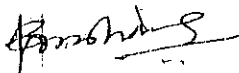
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- The duration of the **chair** may be curtailed by the Director General, ICFRE on the recommendation of the Vice Chancellor of the FRI Deemed University/Director, IFGTB, Coimbatore.
 - Head quarter of the **chair** shall be at FRI deemed University Dehradun/ IFGTB Coimbatore as the case may be. However, the **chair** shall be liable to serve at any Institute/center of ICFRE.
 - Administrative authority shall be the Vice Chancellor, FRI Deemed University, Dehradun / Director, IFGTB, Coimbatore as the case may with reference to all administrative matters including leave and institutional medical facilities.
 - All the materials, modules, course curricula etc. developed by the **chair** shall be the property of the ICFRE.

14. Relaxation

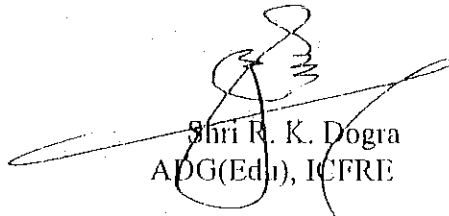
Powers to amend/repeal any of the clauses of these guidelines shall vest with the Director General, ICFRE.

15. Arbitration

- 15.1 In case of any dispute, the chancellor FRI Deemed University / DG ICFRE shall be the sole arbitrator.
- 15.2 All the disputes arising out of the provisions of these guidelines or otherwise shall be subject to jurisdiction of the Court for **chairs** at Dehradun and at Coimbatore for **chair** at Coimbatore.



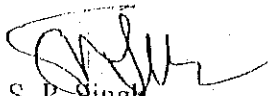
Dr. R. K. Aima
Dean, FRIDU



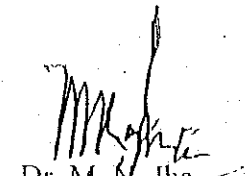
Shri R. K. Dogra
ADG(Edu), ICFRE



Shri Pramod Pant
ADG(Admin.), ICFRE



Dr. S. P. Singh
Former VC, HNB
Garhwal University
(Special Invitee)

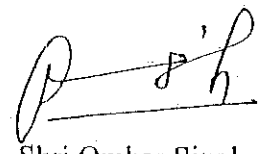


Dr. M. N. Jha
Scientist/F (Rtd.)
ICFRE

(Special Invitee)
co-opted member

Not attended

Dr. S. S. Negi
Director, FRI/
VC FRIDU



Shri Omkar Singh
DDG (Education)
ICFRE