



Rain Forest Research Institute (RFRI), Jorhat, Assam invites the applications for 60 days long fully funded training and skill internship on “Developing bioformulations from the fungal inocula for induction of agarwood in *Aquilaria malaccensis*” sponsored by DST-SERB under Training and Skill Internship (‘VRITIKA’) component of ‘ABHYAAS’ programme of Accelerate Vigyan Scheme for the duration 1<sup>st</sup> November 2022 to 31<sup>st</sup> December 2022.

**Title of Internship:** Training on developing bioformulations from the fungal inocula for induction of agarwood in *Aquilaria malaccensis*

**Number of seats:** 03

### About the internship

Agarwood is valued in high class perfumery as a fixative and is much priced by European perfumer for mixing their best grade scents. At present, the price of 1kg agarwood is Rs. 2.50 Lakh in the International Market whereas, one litre of essential oil extracted from agarwood fetches a few US \$ to 50,000 US \$ depending on the quality. This agarwood is formed within heartwood as a result of host-fungus interaction when the tree become infected with fungus. This infection occurs naturally in Upper Assam and in other places it is being done artificially. RFRI, Jorhat has developed the technology for artificial induction of agarwood in *A. malaccensis* and successfully induced agarwood through artificial inoculation of fungi in healthy agar trees. This training is being organized to extend these technologies to the young researchers. The training will provide hands on training with respect to preparation of bioformulations from pre-existing fungal inocula for induction of agarwood in *Aquilaria malaccensis*. The training will be useful for those working or wants to work in the field of artificial induction of agarwood in *Aquilaria malaccensis*.

**Internship Organizer:** Dr. R. K. Borah, Scientist G and Group Coordinator (Research), RFRI, Jorhat, Assam

**Internship duration:** 1<sup>st</sup> November 2022 to 30<sup>th</sup> December 2022 (60 days)

**Last date of submission of scanned copy of application:** 25<sup>th</sup> October 2022

**Eligibility:** Candidate pursuing master’s degree or in the initial phase of Ph.D. in Forest Pathology/ Plant Pathology/Mycology or Botany (with specialization in plant pathology/mycology)

**Age limit:** 28 years as on 25<sup>th</sup> October 2022

**How to apply:** Interested candidates must apply on the prescribed application format. The scanned copy of duly completed application form with candidate’s resume must be emailed to the email id [borahrk@icfre.org](mailto:borahrk@icfre.org) or [rkbora@gmail.com](mailto:rkbora@gmail.com) up to 25<sup>th</sup> October 2022, and selected applicants have to submit the hard copy later.

**Mode of Selection:** Selection will be based on academic achievement in university examinations (CGPA/percentage of marks) and participation in academic/co-curricular competitions and other awards/distinction.

**Nature of Support:** Lodging, Food, Stationery, Travel (to & fro) requirements will be met free of cost as per SERB norms.

### Terms and Conditions

- Selected candidates shall attend the program physically.
- Attendance (100%) is mandatory.
- The interns should follow the institute’s rules and regulations strictly.
- Accommodation shall be provided depending on the availability.
- Interns will complete the assigned tasks and assignments timely.
- Submission of individual final report at the end of the tenure is mandatory.
- It would be appreciable if candidates bring their own laptops.



## RAIN FOREST RESEARCH INSTITUTE

*Indian Council of Forestry Research & Education*

(An Autonomous body of Ministry of Environment, Forests & Climate Change, Govt. of India)

Post Box No. 136, Jorhat- 785001, Assam

### VRITIKA PROGRAM: Training and Skill Internship

Sponsored by DST-SERB: ACCELERATE VIGYAN SCHEME

Developing bioformulations from the fungal inocula for induction of agarwood in  
*Aquilaria malaccensis*

1<sup>st</sup> November 2022 to 30<sup>th</sup> December 2022

### Application Form

1. Name of the applicant : \_\_\_\_\_
  2. Father's Name : \_\_\_\_\_
  3. Date of Birth : \_\_\_\_DD \_\_\_\_MM \_\_\_\_YYYY
  4. Age on 07.06.2022 : \_\_\_\_ Years \_\_\_\_Months/ \_\_\_\_ Day/s
  5. Gender (✓) : Male  Female
  6. Marital Status (✓) : Married  Unmarried
  7. Category (✓) : SC  ST  OBC  Gen.
  8. Correspondence Address: \_\_\_\_\_  
\_\_\_\_\_
- Phone No. : \_\_\_\_\_
- E-mail : \_\_\_\_\_
9. Permanent Address : \_\_\_\_\_  
\_\_\_\_\_
- Aadhar No. : \_\_\_\_\_
10. Name of the Institute : \_\_\_\_\_  
\_\_\_\_\_

Affix passport  
size self-  
attested  
photograph

11. A. Educational Qualification – HSLC onwards (Attached all self-attested testimonials):

Examination Passed	University/Board	Year	Subjects	Marks/CGPA	% of Marks
High School					
Intermediate					
B.Sc.					
M.Sc.					

\*If, M.Sc. is being pursuing, mention aggregate % of marks all completed semesters and likely year of completion of M.Sc.

12. Participation in academic/co-curricular competitions and other awards/distinction

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

**Declaration**

I do hereby declare that the information given above is correct to the best of my knowledge and belief. If, I am found to have concealed/distorted any material information, my candidature shall be liable to cancelled without notice at any point of time of the internship. If selected for the training, I shall be present for the whole course duration and I also promise to abide by the rules, regulations and discipline of the institute. I note that the decision of the institute is final in the regard to selection for admission and further necessary action.

Date:

Place:

Signature of the applicant

**Note:** The scanned copy of signed duly filled application form should be sent to the email [borahrk@gmail.com](mailto:borahrk@gmail.com) or [borahrk@icfre.org](mailto:borahrk@icfre.org) latest by 25<sup>th</sup> October 2022. The selected candidates have to submit the hard copy of the same along with “Endorsement cum No Objection Certificate” dully signed by the Dean / Head of the Department / Head of the Institute.

**Endorsement cum No Objection Certificate from the  
Head of the Department**

(To be given on University/ Institute/ College Letter head)

This is to certify that:

1. Mr. / Ms. / Mrs. \_\_\_\_\_, is a bonafide student of our University / Institute / College and will assume full responsibility for actively participating in the Training and Skill Internship on “Developing bioformulations from the fungal inocula for induction of agarwood in *Aquilaria malaccensis*” organized by Rain Forest Research Institute, Jorhat, Assam sponsored by DST-SERB under the Accelerate Vigyan Scheme, scheduled from 1<sup>st</sup> November to 30<sup>th</sup> December, 2022.
2. The applicant is a Full-time student of our University/ Institute/ College and enrolled in M.Sc. Programme in \_\_\_\_\_ Department.
3. The candidate has secured \_\_\_\_\_ % / CGPA till date.
4. The University/ Institute/ College also endorses the conduct of the applicant to be of highest order who bears a good moral character.
5. The University/ Institute/ College has “No-Objection” for the candidate participation during the above said period.
6. The candidate, if selected for participation, shall be duly permitted to attend the Training and Skill Internship on physical mode. The University/ Institute/ College may provide the necessary facilitation needed for this purpose.

Date:

Signature and Seal with name

Place:

(Head of the Department/Dean)

### **Undertaking from the Student Applicant**

1. I hereby provide my consent to participate in the Training and Skill Internship titled “Developing bioformulations from the fungal inocula for induction of agarwood in *Aquilaria malaccensis*” organized by Rain Forest Research Institute, Jorhat, Assam upon selection.
2. Promise for participating in this Training and Skill Internship whole-heartedly and attend all the lab/field sessions, sincerely with utmost dedication.
3. I shall also be responsible and attentive to involve myself during the discussion/interaction session.
4. I am aware that it is mandatory to attend all the lab/field sessions, compulsorily qualify the course assessment and submit report in order to successfully avail the certification.
5. I understand that the materials supplied during this Training and Skill Internship are only for educational/academic purpose.
6. Uploading/hosting/sharing any content on any platform without prior approval shall be unlawful on the grounds of Intellectual Property Rights.
7. Any Proxy participation in the Training and Skill Internship shall invite immediate cancellation of my candidature and same shall be reported to parent institution.
8. I understand to ensure my physical presence and any support in this regard is to be sought from the applicant’s parent Institution. The organizing institute shall not be liable for the same.
9. I shall strictly follow the COVID-19 guidelines issued by Government of India and State of Assam.
10. I agree to abide by any other terms and conditions of RFRI/ICFRE and SERB.

Name of the Applicant:

Degree (M.Sc.):

Institution/College/University:

Date:

Place:

Signature of the Applicant