



तेजपुर विश्वविद्यालय

(केन्द्रीय विश्वविद्यालय)

नपाम, तेजपुर - 784 028, असम, भारत

TEZPUR UNIVERSITY

(A Central University)

Napam, Tezpur - 784 028, Assam, India

**DEPARTMENT OF ENVIRONMENTAL SCIENCE**  
**A REPORT ON**

Exploiting Chemical Ecology for IPM: Deciphering the phyto- semiochemicals involved in Insect- Plant interactions of major crop pests of Northeast region- India.

1. Name of the Collaborative Activity: Exploiting Chemical Ecology for IPM: Deciphering the phyto- semiochemicals involved in Insect- Plant interactions of major crop pests of Northeast region- India.

2. Nature of Activity: Major Research work

3. Name of the Collaborative Agency/ Individual with affiliation and contact details: Indian Institute of Horticultural Research, Bangalore; Assam Agricultural University, Jorhat; CSIR Indian Institute of Integrative Medicine, Jammu & Kashmir; Citrus Research Station, AAU, Tinsukia; Dr. Santa Kalita

4. Summary of collaboration:

- Finalizing research method
- Co-authorship
- Data analysis and reporting techniques

5. List of year-wise activities under the collaboration:

2021 - Preliminary survey carried out. Advertisement for Man-power.

Signature of Faculty

(Santa Kalita)

**Assistant Professor**  
**Dept. of Environmental Science**  
**Tezpur University**

Signature and seal of HoD

(R.R. Hoque)

**Head**

**Deptt. of Environmental Science**  
**Tezpur University**  
**Napaam : Tezpur**

294-275

Admin

No. BT/PR41637/NER/95/1753/2021  
GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE & TECHNOLOGY  
DEPARTMENT OF BIOTECHNOLOGY

Block 2, 6-8th Floors  
CGO Complex, Lodhi Road,  
New Delhi- 110 003  
Dated: 31/03/2021

**ORDER**

Sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rules, 1978, for the implementation of the project entitled: **"Exploiting chemical ecology for IPM: Deciphering the phyto-semiochemicals Involved in Insect-Plant interactions of major crop pests of North East Region-India"** for a period of 3 Year 0 Month at a total cost of Rs. **47579782** (Rupees Four Crores Seventy Five Lakhs Seventy Nine Thousand Seven Hundred and Eighty Two Only) on the terms and conditions detailed here under:-

**2 The Project :**

**2.1 Title :** "Exploiting chemical ecology for IPM: Deciphering the phyto-semiochemicals involved in Insect-Plant interactions of major crop pests of North East Region-India"

**2.2 Details of the Investigators:**

**Project Coordinator**

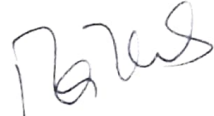
**Dr. KAMALA JAYANTHI P D**

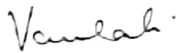
PI

CROP PROTECTION, IIHR, Bangalore  
Indian Institute of Horticultural Research  
Department of Entomology and Nematology, Indian Institute  
of Horticultural Research, Hesseraghatta Lake PO, Bangalore  
560089, Bangalore, Karnataka, 560089

**Principal Investigators:**

  
**Assistant Professor**  
Dept. of Environmental Science  
Tezpur University.

  
**Head**  
Deptt. of Environmental Science  
Tezpur University  
Nagaam : Tezpur

  
डॉ. वैशाली पंजाबी / Dr. VAISHALI PANJABI  
दृष्टान्तिक ई / Scientist 'E'  
बायोटेक्नॉलॉजी विभाग / Deptt. of Biotechnology  
विज्ञान और प्रौद्योगिकी मंत्रालय / M/o Science & Tech.  
भारत सरकार, नई दिल्ली / Govt of India, N. Delhi

**Dr. KAMALA JAYANTHI P D**

PI  
CROP PROTECTION, IIHR, Bangalore  
Indian Institute of Horticultural Research  
Dr P D Kamala Jayanthi, National Fellow, Department of  
Entomology and Nematology, Indian Institute of Horticultural

**Dr. Badal Bhattacharyya**

Principal Scientist  
Entomology  
Assam Agricultural University  
Principal Scientist, All India Network Project on Soil  
Arthropod Pests, Assam Agricultural University, Jorhat,

**Dr. D Srinivasa Reddy**

Director  
Natural Product Chemistry Division  
CSIR Indian Institute of Integrative Medicine canal road Jammu  
,Jammu And Kashmir (UT), 180001

**Dr. Sikha Deka**

Junior Entomologist  
Department of Entomology  
Citrus Research Station, Assam Agricultural University Gelapukhuri Road,  
District Tinsukia,, Tinsukia - 786125,

**Dr. Suvendra Kumar Ray**

Professor  
Department of Molecular Biology and Biotechnology  
Tezpur University  
Tezpur, Assam, 784028

**CO-PI:**

**Dr. Robin Chandra Boro**

Assistant Professor  
Department of Agricultural Biotechnology  
Assam Agricultural University  
Assam

**Dr. Inee Gogoi**

Assistant Professor  
Department of Agricultural Entomology  
Assam Agricultural University  
Assam

**Dr. Kritideepan Sarmah**

Junior Scientist  
Biochemistry and Agricultural Chemistry  
Assam Agricultural University  
785013, Assam

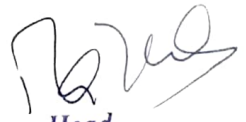
**Dr. Santa Kalita**

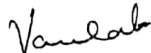
Assistant Professor  
Environmental Science  
Tezpur University  
Assam

**Dr. Raaj Kumar Kakoti**

Principal Scientist  
Plant Pathology

  
**Assistant Professor**  
Dept. of Environmental Science  
Tezpur University,

  
**Head**  
Deptt. of Environmental Science  
Tezpur University  
Napaam : Tezpur

  
डॉ. वैशाली पंजाबी / Dr. VAISHALI PANJABI  
वैज्ञानिक 'ई' / Scientist 'E'  
बायोटेक्नोलॉजी विभाग / Deptt. of Biotechnology  
विज्ञान और प्रौद्योगिकी मंत्रालय / M/o Science & Tech.  
भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi

Citrus Research Station, Gelapukhuri Road, Tinsukia  
786125 Assam

**Dr. Sudhansu Bhagawati**

Junior Scientist  
Entomology  
Assam Agricultural University  
785013, Assam

**Dr. Debaraj Mukherjee**

Principal Scientist  
Natural Product Chemistry Division  
CSIR - Indian Institute of Integrative Medicine, Canal  
Road, Jammu - 180001

**Dr. Sumit G. Gandhi**

Principal Scientist  
CSIR Indian Institute of Integrative Medicine canal  
road Jammu  
CSIR - Indian Institute of Integrative Medicine, Canal  
Road, Jammu - 180001, Jammu

  
Assistant Professor  
Dr. C. V. Raman Institute of Technology  
Jammu



**Head**  
Deptt. of Environmental Science  
Tezpur University  
Napaam : Tezpur

*Vanshali*

डा. वैशाली पंतवी / Dr. VAISHALI PANJABI  
सहायक प्रा. / Scientist E  
सांख्यिकी विभाग / Dept. of Biotechnology  
विज्ञान संशोधन संस्थान / Mo. Science & Tech.  
राज्य सरकार, नई दिल्ली / Govt. of India, N. Delhi