

**Name of Division:- Forest Entomology Discipline, Forest Protection Division,
Forest Research Institute, Dehradun.**

- 1. Maintenance of all records duly catalogued and indexed in a manner and the form
which facilitates the right to information under this Act.**

List of files with Subject:

Head: (0): Miscellaneous Orders

- 0(1) General Order/ Circular - सामान्य आदेश/परिपत्र
- 0(2) Holyday /अवकाश
- 0(3) Election/चुनाव
- 0(4) Office Order Internal Duty Closing & Opening of Office/ Transfer /कार्यालय आदेश/आंत्रिक डियूटी
- 0(5) Museum /संघ्रहालय
- 0(6) Loksabha/ Rajyasabha/ Parliamentary Question लोकसभा/राज्यसभा/संसदिय प्रश्न।
- 0(7) Purchase of golf kit/गोल्फ किट की खरीददारी।
- 0(8) Order Regarding Sanction of Leave /अवकाश स्वीकृती सम्बन्धी आदेश।
- 0(9) Punctuality /Latecomer /समयनिटा/विलम्ब से आना।
- 0(10) Order regarding Typewriter Maintenance/सम्बन्धी आदेश टाईपरायटर
- 0(11) Stationary/लेखन सामग्री
- 0(12) Hindi Report/हिन्दी रिपोर्ट
- 0(13) Weeding out of the office records...reg. /कार्यालय कागजातो का निस्तारण
- 0(14) Award /Puraskar- Sarahaneeya Karya/पुरस्कार, सराहनिय कार्य सम्बन्धित
- 0(16) RTI File Regarding R.T.I Act. /पुरस्कार, सराहनिय कार्य सम्बन्धित
- 0(18) Sports F.R.I./FRIU-Sports Corrsp./ब0अ0सं0-खेलकूद पत्राचार।

Head: 1 Research Paper

- 1(1) Ent.Lib. Order- Articles, Printing research papers/library
- 1(2) NFLIC. Research journals (Indian & Foreign) NFLIC
- 1(3) Printing Extension Material For Printing Pamphlets

- 1(4)Pub. Appraisal for publishing/bibliography/research papers etc.
- 1(5)N.L. Hindi News Letter Publications- reg.
- 1(6)BOG. Agenda Items for BOG meetings.

Head: 2 Teaining/Course

- 2(1) Termite control- Short-term
- 2(1) Training-Short-duration assignment for M.Sc. Students (Sponsored Candidates)
- 2(2) Training- Local/ Foreign-Current
- 2(2)B.T.Course Training course (Old File)
- 2(2)NBB Training on scientific Bee-Keeping under PPP Project.
- 2(2)Tml.Trig. Joint Training Program on termite Management.
- 2(3) Research Scholars (General)
- 2(3)Leave Research Scholars (Leave),
- 2(3) Pre-thesis- reg
- 2(4) D.U.C.(Circular- Viva etc)
- 2(5) RAC Research Advisory Committee (RAC)
- 2(6)FacIt.Sylb. Faculty /Syllabus/Allotment of topics for teaching.
- 2(7)Dean(A) Order Regarding-Meeting Dean Academic Council & other.
- 2(8)Dissert. Dissertation Work by M.Sc. Forestry students....reg.
- 2(9)NAAC NAAC-Accreditation (Profiles)of the Departments and evaluation Report of the
Departments information reg.
- 2(11)Int.Ph.D.Std. Conducting interview of Ph.D. Students by division Corrs.Reg.

Head: 3 Tour

- 3(1) Order regarding Tour
- 3(2) Sanction of Tour/Vehicle requisition
- 3(3) Tour Reports.

Head: 4 Building and Estate Management

- 4(1) Order regarding building & Estate Management/Govt. Accomodation

- 4(2) Engineering Cell/ CPWD/Service Branch
- 4(3) Waiting List of Govt. Quarters Circular regarding
- 4(4) Telephone
- 4(5)FCBC Transfer of Batteries FCBC from Telephone Exchange

Head:5. Meeting & Conference

- 5(1) Seminars/ Symposium/ Conferences
- 5(1)1/ASN CONF. Special ASIAN segment on Biodiversity side Event Forest Insect Diversity in Indian-Fact & Challenges.
- 5(1)DSK Seminar/Workshop (Dr. S. Kalia)
- 5(1)IV IVth-Forestry Conference, 9-11 November 09.

Head:6 Accounts

- 6(1) Budget Entomology Division
- 6(2) Order regarding Financial Powers, Medical, T.A., Pay Pension, D.A. GPF, BF/Service Tax
- 6(3) Forest Advance
- 6(4) Audit objection/Audit Party
- 6(4)^{IV} FS Audit objection-Vacuum fumigation System.
- 6(5) Order regarding Income tax/ Sale tax
- 6(OTA) OTA-Claim regarding.
- 6(6) Cycle Advance/ Car Advance/ Scooter/ HBA....order reg.
- 6(7) Service Postage Stamps and Private Postage stamps/Foreign Letters.
- 6(8) Delegation of Financial Power to HOD etc. (old files)
- 6(9) Regarding-Store Items File (Genetal)
- 6(9)Hw Hazarclous wastes corr.
- 6(9) Calibration of Eqpt/ mstriments.

Head: 7 Projects/Scheme/Reports

- 7(1) RAG
- 7(2) Annual Action Plan
- 7(2)1 Quarterly Physical & Financial Targets
- 7(3) New Research Projects
- 7(3)Extn. Development of butterfly watching trails and habitat in North Park.
- 7(3)DST.Proj. All India coordinated project on and updating of National Forest Insect Collection.
- 7(4) Project- Miscellaneous/External Project/ R.P.C
- 7(4)I Project Proposal between ICFRE & Vienna Austria
- 7(4)RKT Evaluation of Natural Termite resistance in different Timber species.
- 7(5)DBT Inventory of Forest Insect Agricultural Pest Pollinator Vectors etc. (Sh.R.S. Bhandari)
- 7(5)I.DBT Himalayan Buitterfly
- 7(5)II.UBFDB. Uttaranchal Bamboo Fibre Development Board
- 7(5)III.Salimali- Salim Ali Fellowship Project Award(Sh. A.P.Singh) (With HOD)
- 7(5)IV(ACTARA) Testing ACTARA-25 WAG
- 7(5)VI-Kotli Project- Fauna of Kotli Bhel Hydro-Electric Stage-II of MHPC-Devprayag.
- 7(5)VII.Project-Exploitation- T. Central
- 7(5)VII.Gall Project- Gall Problem in EucalyptusICFRE-Meeting
- 7(5)IV/IWST IWST
- 7(5)VIII/EIA/Karmoli Rapid Eroirmental impact Assessment study For the jadh (50mn) and Karmali Hydo electric project.
- 7(5) External project Efficacy trials of clothinidin 7.5cs on Termites in Prespost Bldg constraction by Sumitomo- Chemicals India Pvt.Ltd.
- 7(5) I Project on Environmental Impact Assessment and Environmental Management Plan-Renuka Dam Project.
- 2.Rapaid Environmental Impact Assessment Studies for upgradation of Tallacatora-Indoor Stadium.

- 7(6) (Indian Forest) Comments on the project Assessment of Bio-diversity. Bioecology Conservation..Received from Nagaland University
- 7(6) I. Comment on the Project- Bio-diversity of Lepidoptera in Mega Diverse Region-Proposal.
- 7(6)II. Comments RGF/ICFRE Project (Systematic Status of Hetrocera Lepidoptera of Punjab (India) by Dr. H.S
- 7(7) Rose...reg./ Indian Forester.
- 7(8) Regarding Dr.K.P. Singh, RO with Entomology Division Project.
- 7(9) 11th Five year plan, file.
- 7(10) Quinquennial Review Team (QRT)- Guidelines to assess contribution by Institute- once in Five year.....reg.
- 7(3) PF/Bihar Bihar/ Plans Project File
- 7(3)DNA DNA Bar-coding of seats.

Head: 8 Reports

- 8(1) Annual Reports (with old file)
- 8(2) Six-monthly Monitoring/ Half yearly-Reports.
- 8(3) Quarterly Performance Review Reports
- 8(4) Monthly Reports.
- 8(4)I Bimonthly Progress Report-reg.
- 8(5) Friday-Presentation/ Monday Presentation.
- 8(6) Research Achievement Entomology Division.
- 8(7) Platinum Jubli Celebration of FRI.
- 8(8) Centenary Celebration of FRI-2006.
- 8(9) Final Reports of Completed Projects.
- 8(10) Submission of Project and Preliminary Progress Reports to Dr. Y.N. Singh (Misters)
- 8(11) Directors Meet.

Head: 9. Establishment

- 9(1) Recruitment order/ Advertisement (With old file)
- 9(1)I-VIG Vigilance section Correspondence.

- 9(2) Annual Confidential Reports.
- 9(3) Confidential Correspondence regarding Establishment.
- 9(3)I Confidential Correspondence not attending Friday Presentations by the Scientists.
- 9(4) Seniority List of Staff.
- 9(5) Flexible Complementing Scheme-ICFRE & Promotion.
- 9(6) Transfer of Services of Govt. Employee to the ICFRE orders etc.
- 9(6)I Surplus/ Redeployment of ICFRE EMPLOYEE.
- 9(7) Staff Strength.
- 9(8) Staff Allocation- H.R.D (Old file) 7 (7)A.
- 9(9) Staff Adjustment Entomology division- Dr. S. Kalia.
- 9(10) Data Entries Assistant File, NIRC
- 9(11)IWSU Internal Work Study unit/ (IWSU) O.M. Inspection yearly Under Ministry.
- 9(11)Sports FRI/ FRIU Sports corr.

Head: 10. Correspondence with various division/ branches

- 10(1) Miss- Correspondence regarding other divisions/ disciplines of FRI (FRI- Division File)
- 10(1) I Service Branch /Range Office
- 10(2) Burrow Indian Standard BIS Manak Bhawan- New Delhi-
- 10(2)I ISS- Reg.
- 10(2)II Training (Quarllity Objectives)
- 10(3) Correspondance. Reg. Silva Division FRI
- 10(APEISN)I Asia pacific Forest Invasive Specics (APEISN)
- 10(4) Obituary:
- 10(4) Bis- Gis Correspondence with Bio informatics centres.
- 10(5) Statistical Branch Correspondencr... reg.
- 10(Misc.) Extn Extension division Correspondence...reg.
- 10(Misc.) IFRIS Questionnaire & MOM for submission & RCS reg. Project Development for Indian Forestry Researcg Information System (IFRIS) I.T.Div.

10(6)CC&FI Division of Climate Change & Forest Influences Cell.

10(7) Corr. reg Bio- Prospecting and Bio Piracy

Head: 11. Testing/ Identification/Spray/Seed examination/Rates/ Guide Line for Identification Service.

11(1) Testing/ Onsect Identification (Miscellaneous Correspondence) Taxonomic Matter (22/3) Old File Three File Three Enclosed.

11(1) IReviser Rates Services Rendered by FRI Scientist (Testing/ Identification and Consultancy.

11(1)2 Guidelines- Identification Services order regarding Identification Service Guidelines regarding

11(2) Seed/ Examination/ Phytosanitary Certificate

11(3) Testing Enquiries/ Investigation (22/3 Old files)

11(3)1. Proposal regarding testing of natural component for Antitermites Property of Kalyani Pesticides Dehradun

11(3)2. Regarding-Proposal of Testing Aluminium Phosphide Wooden Logs/ Timber/ United Phosphide.

11(3)3. Testing/ Evaluation of Eldrex (Indachloropid 30.5Sc) for Termite Control CRYSTAL PHOSPHATE LTD.

11(3)4. Type testing of 24 F Armoured Optical Fiber Cable as per 1 Rs- TC-55/2006

11(3)5. Termite testing of Bio- Botanical Pesticides Green Valley Pvt. Ltd.

11(3)6 Testing Charges/ Corr.

11(4) Identification Enquiries- Enquiries rearding identification.

11(4)1. Nepal Museum Project IOF- Hetauda Nepal

11(5). Spray by Entomology Division

11(5)1. Termite Treatment in NFLIC- Building

11(6). Testing/ Evaluation of Eldrex (Inidacloprid 30.5 Sc) For termite Control-CRYSTAL PHOSPHATE LTD.

11(7) Efficacy trial I Clothianidin Reg.

Head: 12. Correspondence with DFO/Silva. Miscellaneous with States

12(1) U.P/ U.A

12(1)U.A U.A- Corr. with Uttarakhand Forest.

12(1)I. Correspondence with CBRI- Roorkee (Collaborative Research Work.

12(1)2. Supreme Court Monitoring Committee- Sal borer attack- reg. Sal borer Supreme Court Order state U.P.- Rajaji National Park Tree Felling U.P. Forest Deptt. (Old File), UP Forest Dipt./Steering Committee

12(2) H.P., Haryana, Punjab, J & K, Chandigarh.

12(2)I. PPQS Import of Insects-Experts Committee, Faridabad Correspondence with Faridabad (Haryana)

12(2)2. Star Paper Mill (Phytosanitary Certificate Saharanpur M.P., Rajasthan)

12(3) M.P., Rajastham

12(4) Bihar, West Bengal, Sikkim

12(5) Delhi

12(6) Maharashtra Gujarat, Goa.

12(7) Andhra Pradesh, Uressa, Kerala, Karnataka, Tamil Nadu, Andman Nicobar, Laxya Dweep.

12(7)TN Eucalyptus Gall Insect ACTIONS Plan-reg.

12(8)AP Forest Research Centre, Hyderabad (AP)

**Ph.D Research Scholar, Junior Project Fellow, Senior Project Fellow, Junior Research Fellow,
Senior Research Fellow, Project Associate and Project Assistant (Leave/Personnel Files)**

1- 2(3) 1APS(P)

2- 2(3)2 BD/USDA- Pine

3- 2(3)3 RK

4- 2(3)5 RBS

5- 2(3)6 NB

6- 2(3)7 MMS

7- 2(3)8 RS

8- 2(3)9 NM

9- 2(3)10 AG

10- 2(3)11 GS

11- 2(3)12 MF (Siddiqui)

12- 2(3)13 NJ

13- 2(3)14 RW

14- 2(3)15 RPS

15- 2(3) RG

16- 2(3) Akhilesh Kumar Mishra (Ph.D. Scholar)

17- 2(3) Akshra (Ph.D. Scholar)

18- 2(3) Yawar Manzoor Bhat (Ph.D. Scholar)

- 19- 2(3) Indu Singh Chauhan (Ph.D. Scholar)
- 20- 2(3) Manoj Kumar Azad (Ph.D. Scholar)
- 21- 2(3) Mohd. Suhail/MY (Ph.D. Scholar)
- 22- 2(3) Manender Kaneria (Ph.D. Scholar)
- 23- 2(3) Bhawana Joshi (Ph.D. Scholar)
- 24- 2(3) Salman Khan (Ph.D. Scholar)
- 25- 2(3) Mohsin Ikram (Research Scholar)
- 26- 2(3) Kalpana Bahuguna (Ph.D. Scholar)
- 27- 2(3) Manish Kaneria (Ph.D. Scholar)
- 28- 2(3) Gaurav Chand Ramola (Ph.D. Scholar)
- 29- 2(3) L.R. Laxmikant Panda (Ph.D. Scholar)
- 30- 2(3) Akhilesh Kumar Mishra (Ph.D. Scholar)
- 31- 2(3) Sarman Das Gupta/SS (Ph.D. Scholar)
- 32- 2(3) Manisha Sharma (Ph.D. Scholar)
- 33- 2(3) Neha Rajwar (JPF)
- 34- 2(3) Rohit Kumar (Field Assistant)
- 35- 2(3) Tribhuwan Singh (JPF)
- 36- 2(3) Nainshi Kashyap (JPF)
- 37- 2(3) Ajeet Singh (JPF)
- 38- 2(3) Afreen Khan (JPF)
- 39- 2(3) Akhilesh Kumar Mishra (Field Assistant)
- 40- 2(3) SN (JPF)
- 41- 2(3) RS (JPF)
- 42- 2(3) Rashmi Nautiyal (Research Associate)
- 43- 2(3) Mohd. Maajid Jamali/Mohsin Ikram (JRF/SRF)
- 44- 2(3) Sayan Kumar Mokhupadhyay (JPF)
- 45- 2(3) Gaurav Chand Ramola (JPF)
- 46- 2(3) Sraman Das Gupta/Anil Singh Rana (Field Assistant)
- 47- 2(3) Nainshi Kashyap (JRF)
- 48- 2(3) SS (JRF)
- 49- 2(3) PK (JPF)
- 50- 2(3) Devander Singh (Field Assistant)
- 51- 2(3) SK (Project Assistant)
- 52- 2(3)FA/KK (Project Assistant)

2. Function and Duties of each employees working in your Division.

S.N.	Name and Designation of the Employees	Function and Duties
1.	Dr. Mohd. Yousuf, Scientist-G & Head	<p>Administrative duties as Head of Division: Duties as Head Forest Protection Division, to look after all administrative, research, academic, extension and other divisional activities.</p> <p>Research projects dealing as PI & Co-PI:</p> <ol style="list-style-type: none"> 1. Studies on taxonomy and host range of larval parasitoids, <i>Apanteles</i> spp. (Hymenoptera: Braconidae) from Uttarakhand and Haryana, as P. I. 2. Studies on diversity and host range of hymenopteran egg parasitoids from northern India (Haryana, Uttar Pradesh and Uttarakhand), as P. I. 3. Digitization and enrichment of National Forest Insect Collection (NFIC) of Forest Research Institute Phase-II (Minute insects), as Co-P.I. 4. Epidemiology and management of <i>Chlorophorus annularis</i> Fab. (Coleoptera: Cerambycidae)–A major borer of cut and dry bamboo, as Co-P. I. <p>Teaching:</p> <ol style="list-style-type: none"> 1. Teaching & Practical classes on forest Entomology course of M. Sc. Wood Science & Technology and M.Sc. Forestry, FRI (Deemed) University. 3. Dissertation & term paper work of M.Sc. students of FRI, Deemed University and other Universities. <p>Trainings and lectures:</p> <ol style="list-style-type: none"> 1. Lectures on Forest Entomology Courses of IGNFA, CASFOS and other trainings, covering insect pests of forest tree species and their control measures. <p>Ph.D. Supervision:</p> <ol style="list-style-type: none"> 1. Supervision of three Ph. D. research Scholars. <p>Academic duties:</p> <ol style="list-style-type: none"> 1. Various academic duties as: (i). Evaluation of Ph.D. thesis & M. Phil dissertations (ii). Attending moderation committees, (iii). Examiner ship of M.Sc. & B.SC. Courses, (iv). Evaluation of research paper etc. .
2.	Dr. Sudhir Singh, Scientist-G	<p>Research projects dealing as PI & Co-PI: <u>As Principal Investigator (PI)</u></p> <ol style="list-style-type: none"> 1) Digitization and enrichment of National Forest Insect Collection (NFIC) of Forest Research Institute. Phase-II (minute insects) (2017-2020). 32.00 Lakhs. 2) Taxonomy of Tettigoniidae (Orthoptera) of Northern India (J&K, PB, HR, HP, UK and UP). All India Co-ordinated Project on Capacity Building in Taxonomy (AICOPTAX, MoEF&CC, 2016- 2019). 9.81Lakhs. 3) Cecidology and nursery establishment of <i>Pistacia integerrima</i> for exploring possibility of <i>in situ</i> leaf gall production (Dabur India Ltd., 2018-21) 30.9 lakhs.

		<p><u>As Co-PI</u></p> <ol style="list-style-type: none"> 1) Studies on diversity and host range of hymenopteran egg parasitoids from northern India (Haryana, Uttar Pradesh and Uttarakhand). (Co-PI) 2) Mortality of <i>Pinus wallichiana</i> in Nandadevi Biosphere Reserve. (Co-PI) 3) Diversity study of pteromalid parasitoids (Hymenoptera: Pteromalidae) of Northern India with special emphasis on bio efficacy of some selected parasitoids.(2018-21) as(Co-PI) 4) Genetic evaluation and characterization of <i>Toona ciliata</i> for productivity enhancement. (Co-PI) 5) Providing technical advice for upkeep and maintenance of Holy Bodhi and other holy trees in Bihar, Kurushetra etc. (2017 onwards) (Co-PI) 6) Health status of trees in War Memorial, Princess Park, Hexagon, near India Gate, New Delhi. (Co-PI) 7) Health Status Assessment of Avenue Trees Along Major City Roads of Chandigarh (Co-PI) <p>Teaching:</p> <ol style="list-style-type: none"> 1. Teaching forest Entomology courses of M. Sc. Wood Science & Technology and M.Sc. Forestry, FRI (Deemed) University. 2. Dissertation & term paper work of M.Sc. students of FRI, Deemed University and other Universities. <p>Ph.D. Supervision:</p> <ol style="list-style-type: none"> 1. Supervision of two Ph. D. Research Scholars. <p>Academic duties:</p> <ol style="list-style-type: none"> 1. Various academic duties as: (i). Evaluation of Ph.D. thesis & M. Phil dissertations (ii). Examinership of M.Sc. & B.Sc. Courses, (iv). Evaluation of research paper , research projects etc. <p>Extension works:</p> <p>Providing technical inputs to the Stake holders and Govt. bodies on various entomological issues.</p> <p>Providing Insect identification services to stake holders.</p> <p>Other administrative works:</p> <p>Duties as Chairman of screening committee for recruitment of Scientist-B in disciplines of Entomology, Hydrology and Marine Biology.</p> <p>Upkeep and maintenance of National Forest Insect Collection – facilitating insect taxonomists with their taxonomic works during their visit to the collection and also to the various queries and help sought through internet.</p>
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3.	Dr. Ranjeet Singh, Scientist-G	<p>Function and Duties:</p> <ol style="list-style-type: none"> 1. Formulation, planning and execution of research projects aimed at evolving practical, economical and environmentally acceptable pest management strategies on seeds, nurseries, plantations and natural forests. 2. Survey and evaluation of insect pests on forest tree species in nurseries, plantations and natural forests to understand 1) insect pest spectrum, 2) Population dynamics 3) Impact of pest attack. 3. Detailed study on the bio-ecology of the key insect pest. 4. To attend the queries on insect pest problems, raised by the state forest department / NGO's / Forest development corporations, farmers and forest based industries. 5. Writing of research papers, technical notes, annual reports, review papers and technical brochures etc. 6. Forest Entomology was taught to the students of FRI, Deemed to be University. 7. Forest Entomology and various pest management strategies were taught to various levels of trainees of state forest department. 8. Setting of question papers on forest entomology for students of University of Forestry. 9. Evaluation of answers books of students in Forest Entomology and thesis etc. 10. State forest officials, farmers, NGO's and voluntary organizations were advised on pest management strategies. 11. Other duties assigned by the Director, Forest Research Institute and Head Forest Protection Division.
4.	Dr. Arun Pratap Singh, Scientist-F	<p>Research</p> <ol style="list-style-type: none"> 1. Planning, formulation and implementation of research projects. 2. Data analysis and interpretation of results. 3. Publication of research findings in journals, books, reports, etc. Review of research papers, reports, thesis, books, etc. <p>Resource Person</p> <ol style="list-style-type: none"> 1. Working as a resource person on forest entomology and biodiversity. EIA faunal expert at FRI for ICFRE in consultancy work. <p>Teaching</p> <ol style="list-style-type: none"> 1. Faculty for FRI University for teaching forest entomology & biodiversity and WII and guiding students for Ph.D and dissertation work. <p>Extension</p>

		<p>1. Formulating, participating & organizing in various (i) trainings programmes as course director & coordinator, (ii) seminars, workshops and conferences, (iii) publishing books, booklets and posters, delivering lectures and talks in public media, etc.</p> <p>Administrative Any other work assigned from time to time by higher authorities.</p>
5.	Dr. Arvind Kumar, Scientist-E	<p>Research projects dealing as PI & Co-PI;</p> <ol style="list-style-type: none"> 1. Screening of poplar clones for tolerance against poplar leaf defoliator, <i>Clostera cupreata</i> But.(2017-20) as PI 2. Diversity study of pteromalid parasitoids (Hymenoptera: Pteromalidae) of Northern India with special emphasis on bio efficacy of some selected parasitoids.(2018-21) as PI 3. Cecidology and nursery establishment of <i>Pistacia integerrima</i> for exploring possibility in <i>situ</i> leaf gall production. Dabur India Pvt. Ltd., Rs. 31.9 Lakh 4. Selection and genetic evolution of <i>Ailanthus excelsa</i> germplasm in Northern India. Rs. 42.20 Lakh. as Co-PI 5. Study of structural dynamics and genetic improvement of <i>Grevillea robusta</i> A. Cunn (Silver Oak). Rs. 44.10 Lakh. as Co-PI <p>Educational work;</p> <ol style="list-style-type: none"> 1. Supervision to Three Ph.D. Scholars of FRIDU. 2. Supervision of M.Sc. students of FRIDU and other institutions. 3. Teaching to M.Sc. (Forestry) students- Forest health and vitality course. 4. Teaching to M.Sc. (wood Science and Technology) students- Timber Entomology course. <p>Extension work;</p> <ol style="list-style-type: none"> 1. Delivery of lecture to the trainees of Bamboo cultivation, Seed technology and Insect and Disease management. 2. Demonstration of insect collection and museum to the Students, Forest Officers, IAS/IPS/IFS probationers. 3. Development of Mobile app Poplar Keet for identification and management of Insect pest of Poplar. <p>Additional responsibilities;</p> <ol style="list-style-type: none"> 1. Watch and Ward Officer, FRI- administrative responsibility of campus security and sanitation.
6.	Dr. K. P. Singh, Scientist-E	<p>Research projects; As PI- (01 No.)</p> <ol style="list-style-type: none"> 1. Epidemiology and Management of <i>Chlorophorus annularis</i> Fab. (Coleoptera: Cerambycidae) – A major borer of cut and dry bamboo (2017-2020)- ICFRE funded 2. Project submitted and presented in RAG 2019 “Bioecology and management of Sal seed borer - <i>Dichocrocis leptalis</i> Hamp. (Lepidoptera: Pyralidae)”. <p>As Co-PI- (03 Nos.)</p>

		<ol style="list-style-type: none"> 1. All India coordinated project for genetic improvement of <i>Melia composita</i> (2012-2021 - ICFRE funded). 2. Studies on diversity of egg parasitoid wasps <i>Trichogramma</i> spp. from Punjab and Haryana and their application in biological control of important forest insect pest. (2017-2020 - ICFRE funded). 3. Supply of genetically improved planting stock of <i>Melia dubia</i> Cav. <p>Teaching;</p> <ol style="list-style-type: none"> 1. Teaching for theory and practical classes of M.Sc (Forestry) and M.Sc (WST). 2. Supervision to two Ph.D. Scholars of FRIDU <p>Officer In-charge Insectary Maintenance and upkeep of FRI's Insectary for rearing different forestry insect- pests and Supervision of field and laboratory works for smooth and effective implementation of the research and experiments.</p> <p>Duties:</p> <ol style="list-style-type: none"> 1. Need based technical and advisory services rendered to State Forest Departments and other stakeholders. 2. Phytosanitary certificate on behalf of FRI to International and national agencies as a pre- requisite of quarantine requirement, as and when needed 3. Involved for the management of Sal heartwood borer in Dehradun by using Trap Tree Method. 4. Termite control in FRI, main building & FRI, campus & ICFRE. <p>Additional responsibilities; Publicity and Liaison Officer FRI</p> <ol style="list-style-type: none"> 1. Working as Publicity and Liaison Officer, FRI. 2. Publicity of FRI affairs carried out widely through electronic and print media as per requirement. 3. Organized various programmes on National/International and other days at FRI 4. The officials of PLO office are managed and guided 5. The maintenance and upkeep of FRI Guest Houses is being carried out to facilitate guests. 6. Reservations for visiting guests and related arrangements is been done on daily basis. 7. Arrangements of working lunch, Hi Tea etc., during various official programmes are being done as per requirement. 8. Revenue generation for FRI and ICFRE through rest houses and sale of museum entry tickets.
7.	Dr. V. P. Pandey, Chief Technical Officer	<p>Duties:</p> <ol style="list-style-type: none"> 1. To assist the Scientists of the Division in the Research and other technical works. 2. To associate with scientists of division in formulation of research projects. 3. To conduct research, planning & execution of work on different projects.

4. To attend and participate various seminars/conferences/trainings and other such events.
5. Execution and Planning of various activities of the division.
6. Research publication in scientific magazines/extension bulletin.
7. Assisting in organizing trainings/divisional seminars etc., at FRI, Dehradun as Committee member.
8. To perform all other day to day work & all the duties assigned by the Head of the Division/senior scientistS or officers etc.,
9. Other activities as instructed by DG/DDGs/ADGs/Director/ Head of the division.

Function:

1. Exhibits posters/ specimens were depicted in the Gallery of FRI, Buildings for demonstration purposes on eve OF International day of Bio-diversity celebrated by FRI, Dehradun as per instruction of Head, Forest Protection (FPD).
2. Associated in cleanliness movement on 2nd of June 2019 on event of World Environment day at Laurie Road, FRI, Dehradun.
3. Participated in run for Environment on the day of World Environment on 5th of June 2019.
4. Worked member of screening committee for scrutiny of online applications of Forestry, Chemistry & Seed Science & Technology for Scientist-B examination w.e.f May to October, 2019.
5. Member of committee for Renovation & Modernization of Forest Entomology Museum constituted by Director, FRI, Dehradun for up-dation of museum specimens by changing the broken specimens & there labels. The meeting conducted by Head, Forest Protection (FPD) on 19/06/2019 for the works of museum under renovation & second meeting was held on 26/08/2019 for discussion of themes & associated me in Forest Insect Diversity theme.
6. Associated in one day Research seminar on "Current challenges in the management of forest insect pests & diseases" held in board room on 27th of June 2019. The responsibility given to me was media news, tea, snacks & lunch etc.
7. Associated in mortality or any quarries of State Forest Department (SFD), NGOs, Farmers etc., on tree mortality or insect pests infestations on nurseries, buildings along with scientist for the remedies of the same.
8. Conducted the division/ discipline & Entomology Museum visits of M.Sc. students of FRI, University of Cellulose & Paper Technology, Wood Science & Technology, Environment Management & Forestry on 19/07/19 & 18/07/19 respectively under orientation pogramme.
9. Working as Divisional Store Officer.

		<p>10. practical work to the M. Sc Students of FRI University of Forestry & Wood Science & Technology students of M.Sc. first semester. For Forestry students Entomological collection, specimens preparation, preservation techniques, spray equipment demonstration & visit of entomology museum, insectary, diagnosis of insect attack on dated 2/8, 9/8, 16/8, 23/8, 30/8, 6/9, 13/9, 20/9 etc., The Practicals of Wood Science & Technology students were also conducted by me on pesticides on dated 9/10, 10/10, 11/10 & 14/10/2019 & Museum studies on 18/10 & 21/10/2019.</p> <p>11. Attended Ph.D. viva voice examination of the division.</p> <p>12. Conducted Entomology Museum visit of Kendriya Vidyalaya students from 19/8, 21/8, 22/8, 23/8, 26/8, 27/8, 28/8, 29/8, & 30/8/2019 under Prakriti Programme.</p> <p>13. Attended 5th con vocation of FRI, University on & 7th of September 2019 & the convocation of CASFOSS.</p> <p>14. Member of team as team leader for collection of field data from Lansdowne Forest Division of Uttarakhand under CAMPA plantations.</p> <p>15. Working on Taxonomy of Braconidae family under supervision of Dr. Sudheer Singh.</p>
8.	Sh. S.M.H. Zaidi, Technical Officer	<p>Function and Duties:</p> <ol style="list-style-type: none"> 1. Tour programme/ Field survey for collection, rearing, & setting of insects, collection data and preparation of experimental sites. 2. Termite control & Honey bees control using insecticides in FRI, main building & FRI, campus & ICFRE. 3. Writing Diploma and Degrees Certificates of FRI Deemed to be University Students. 4. Maintenance of Temperature and relative humidity records. 5. Work assigned time to time by the Head as well as scientists of the division. 6. Maintenance of files and records. 7. Maintenance of Laboratory of Insectary, Forest Entomology Discipline, Forest Protection Division. 8. Assisted Invigilator for Practical classes of M.Sc. (Forestay) and M.Sc. Wood Science and Technology of FRIDU. 9. Assisted Invigilator for Practical classes of Central State Forest Service's examination held on regular intervals. 10. All Technical works assigned by the Head of the Division and Insectary In-Charge.
9.	Sh. Pramod Kumar, Technical Officer	<p>Function and Duties:</p> <ol style="list-style-type: none"> 1. To conduct Field Tour survey for collection, rearing & setting of insects, collection data and to assist Scientist. 2. All Technical works assigned by the Head as well as scientists of the division. 3. Hindi Nodal Officer of the Division. 4. Work as Store Keeper of the Forest Entomology Discipline, Forest Protection Division. 5. Maintenance of Laboratories of Forest Entomology

		<p>Discipline, Forest Protection Division.</p> <ol style="list-style-type: none"> Maintenance of National Forest Insect Collection (NFIC) and supervise the work of Fumigation of NFIC Noting and Drafting for purchasing equipments, instruments, consumables items, chemicals etc., of all Scientist of the Division. Assisted Invigilator for Practical classes of M.Sc. (Forestay) of FRIDU Assisted Invigilator for Interview for Admission in Ph.D. Program in Forestry (Discipline: Forest Entomology). To assist in preparing of Monthly, Six Monthly, Yearly and Hindi Reports of the Division. Supervision of Entomology Office and to maintain the office records.
10.	Smt. Nisha Sharma, Technical Officer	<p>Function and Duties:</p> <ol style="list-style-type: none"> Work of KPA/DEA in computer (operated Power point, Excel, MS Office, Internet, E-mail etc.) Screening of old records in Entomology Library & Office. Assisted Head and Scientists in collecting Forest Advance, Tour Advance, and other vouchers etc., from Account Section Admin/Project. Local tour programme for collection of insects, data and preparation of experimental sites. Work assigned time to time by the Head as well as scientists of the division. Maintenance of Entomology Library , office files and records. Maintenance of Laboratories of Forest Entomology Discipline, Forest Protection Division. Maintenance of Entomology Museum. Assisted Invigilator for Practical classes of M.Sc. (Forestay) of FRIDU Assisted Invigilator for Interview for Admission in Ph.D. Program in Forestry (Discipline: Forest Entomology).
11.	Sh. Rajender Ram, Assistant Carpenter/MTS	<ol style="list-style-type: none"> Maintenance Insectary Dusting, Cleaning and Grass Cutting, etc. Assisted work and peon work.
12.	Sh. Ramesh Kumar, Chowkidar/MTS	<ol style="list-style-type: none"> Maintenance of Entomology Museum, Ticket Punch, Dusting and cleaning. Dusting and Cleaning Entomology Discipline Labs and office. Assisted work and peon work.

4. Financial/Administrative power of an employee in your division.

Dr. Mohd. Yousuf, Scientist-G & Head, Forest Protection Division (Forest Entomology Discipline)

5. Procedure to be followed, decision making including supervision and accountability.

Head of Division is responsible for all administrative work including exercising financial power for purchase and approval of tours etc. All Scientists are running the projects and the project work is the responsibility of each PI Scientist. All Scientists are also responsible as supervisors/ PI for the research work of the Ph.D. Scholars and Project work done by Research fellows, Project fellows and field assistants.

6. Consultancy work carried out in your division.

S. N.	Project Title	Project Leader	Funding Agency	Total Budget (Rs.)	Duration
1.	Laboratory testing of Bio-pesticide <i>Photorhabdus Limnescens Akhurstii</i> Strain K1-52% V/V E.C.	Dr. K. P. Singh, Scientist-E	Sh. Ashish Wele, President Head, Nirmal Seeds Pvt. Ltd., Pachora-jalgaon, Maharashtra India.	2,38,248.00	October, 2010 to July, 2011 (10 Months)
2.	Efficacy of Clothianidin 7.5 CS on termites in building construction.	Dr. Shamila Kalia, ADG, Media & Extension Division, ICFRE, Dehradun.	M/s Sumitomo chemicals, India, Bombay	4,50,000/-	April, 2012 to March, 2015

7. Directory of employees with name, designation and telephone number.

Telephone Directory of the Institute is being uploaded separately.

8. Budget allocated during the current year for different projects and expenditure incurred.

S. N.	Title of the Project	Name of PI	Funding Agency	Budget allocated during the current year 2019-2020	Expenditure 2019-2020 1 April, 2019 to 25 October, 2019
1.	Studies on taxonomy and host range of larval parasitoids <i>Apanteles</i> spp. (Hymenoptera: Braconidae) from Uttarakhand and Haryana.	Dr. Mohd. Yousuf, Scientist-G	ICFRE	2,61,000/-	2,30,000/-
2.	Studies on diversity and host range of hymenopteran egg parasitoids from northern India (Haryana, Uttar Pradesh and Uttarakhand).	Dr. Mohd. Yousuf, Scientist-G	ICFRE	4,88,000/-	3,19,000/-
3.	Digitization and enrichment of National Forest Insect Collection (NFIC) of	Dr. Sudhir Singh, Scientist-G	ICFRE	8,03,000/-	3,43,475/-

	Forest Research Institute Phase-II (minute insects).				
4.	Taxonomic study of Tettigoniidae (Orthoptera) of India.	Dr. Sudhir Singh, Scientist- G	MoEFF& CC	2,24,454.36	1,33,717.00
5.	Cecidology and nursery establishment of <i>Pistacia integerrima</i> for exploring possibility in <i>situ</i> leaf gall production.	Dr. Sudhir Singh, Scientist- G	Dabur India	12,91,503/-	5,20,174.80
6.	Insect pests of Western Himalayan oaks and their control.	Dr. Arun P. Singh, Scientist-F	ICFRE	2,53,000/-	1,83,662/-
7.	Butterflies associated with different forest types/sub-types in Uttarakhand.	Dr. Arun P. Singh, Scientist-F	ICFRE	3,92,000/-	2,29,031/-
8.	Screening of poplar clones for tolerance against poplar leaf defoliator, <i>Clostera cupreata</i> But.	Dr. Arvind Kumar, Scientist-E	ICFRE	2,63,000/-	1,00,832/-
9.	Epidemiology and management of <i>Chlorophorus annularis</i> Fab. (Coleoptera: Cerambycidae) – A major borer of cut and dry bamboo	Dr. K.P.Singh, Scientist- E	ICFRE	4,13,000/-	1,97,780/-
10.	Diversity study of pteromalid parasitoids (Hymenoptera: Pteromalidae) of Northern India with special emphasis on bio efficacy of some selected parasitoids.	Dr. Arvind Kumar, Scientist-E	ICFRE	5,45,000/-	2,35,281/-

9. Particulars of facilities to citizens and for public use.

Division provides following facilities for the citizens/ public and stakeholders.

- 1. Entomological museum:** Entomological Museum is opened for all visitors including common people. Visitors are benefitted by seeing the various types of insects, their life stages; relationship with trees, mode of damage and damage intensity. Museum exhibits have the knowledge of fine work, beautifully carved by hundreds of insects. Visitors gaze and seek the knowledge about forest and forest insect pests.
- 2. National Forest Insect Collection (NFIC):** NFIC has three lakhs preserved insects which are very useful to the Ph.D. Scholars, Researchers and Scientists. Researchers from different universities of India and abroad visit NFIC and are benefitted by the available insects.
- 3. Trainings on Insect pests and their management:** Time to time training programmes on Forest Insect pests, damage caused by insects in forest tree species and their management is organized for officers, Farmers, Planters for making the awareness of common people and the stakeholders for awareness on insect pests and their management.
- 4. Interaction programmes:** Several students from different Schools, Colleges and University visit Entomological Museum, Insectary and Entomology Laboratories for seeking the knowledge/ advice on the insects and also for related the discussions.
- 5. Quarantine Work:** Quarantine certificate regarding the insect pests is also issued for import and export of the plant material.

6. **Service/Advice to the stakeholders:** Service and advice is provided to State Forest Departments as and when they face the insect related problems like management of sal heartwood borer, management of eucalyptus gall wasp etc.
7. **Expert opinion on tree mortality:** Whenever there is any case reported related to tree Mortality, expert opinion is provided on the mortality causing agents, if any insect and its management.
8. **Environmental impact assessment (EIA):** Entomology expert opinion is also given as a part of EIA programme.