

**CONSULTANCY, CONTRACT RESEARCH AND CONTRACT SERVICES  
OFFERED BY ICAR-NBAIR  
Consultancy / contractual projects**

Sl. No.	Areas of expertise
1	Development of mass production protocol for host insects
2	Production, evaluation and release protocol for insect predators
3	Production, evaluation and release protocol for insect parasitoids
4	Standardization of mass production /formulation techniques of various entomopathogens including EPN, EPF, Bt, baculoviruses and other insecticidal microbes
5	Services on insect pollinators
6	Screening / testing of molecules / toxins / formulations against pest insects, pollinators and natural enemies
7	Synthesis / Screening and development of insect behaviour modifying agents (Pheromones, mating disruptants, repellents, antifeedants etc)
8	Evaluation of insects as food and feed
9	Evaluation of insects for waste decomposition
10	Synthesis and characterization of nanomaterials such as nanoparticles, nanofibers relevant to insect pest management.
11	Development of sensors such as pheromone sensor, pesticide sensor and virus sensor for insect pest management
12	Electroantennographic analysis of bioactive compounds

**Contract Services**

Sl. No.	Areas of expertise*
1	Insect identification service (Morphological / Molecular)
2	Testing and analysis of samples (including food, feed, produce, packaged items etc.) for the presence of live or dead insect parts by molecular (DNA barcode) or morphological methods
3	Routine laboratory identification of entomopathogens / new molecules
4	Renting of tools, instruments and equipments or usage charges
5	GC-MS analysis of samples
6	Identification of field damage symptoms
7	Preparation and supply of pheromone lures / sensors etc
8	Multiplication and supply of nucleous cultures of entomopathogens
9	Multiplication and supply of insect germplasm such as host insects, predators, parasitoids, pollinators, detritivores etc.
10	Pre registration verification of biopesticide samples from CIBRC
11	Quarantine services
12	Electroantennographic screening of bioactive compounds

\*Services rendered to the external organisations/clients/customers that are of minor nature based on available knowledge, expertise, skills and facilities of the Institute; these would involve service activities such as routine laboratory testing where the results are provided as such without further processing or interpreting the data; and would not require any technical advice. The above listing is illustrative only and other services, as deemed fit, may be undertaken, in accordance with demand of the external agency/client and as per the capability/mandate of the Institute