



High Performance Liquid Chromatograph with multiple detector

- Tantech Agrochemicals, Chennai
- HPM Industries Ltd, Delhi
- Southern Pesticides Industries Ltd, Hyderabad
- Nagarjuna Agrichem Ltd, Hyderabad
- JKBM Ltd, Kolkata
- Anil Pesticides, Chandigarh
- Pioneer Agrochemicals Ltd, Hyderabad
- India Pesticides Ltd, Lucknow
- Bhaskar Agrochemicals Ltd, Hyderabad
- Lupin Cheminova Ltd, Mumbai

- Bay Organics Ltd, Chennai
- Agro Chemical Corporation, Mumbai
- Industrial Minerals & Chemical Co., Mumbai
- Bharat Rasayan Ltd, New Delhi
- Pheromone Chemicals, Tenali (AP)
- Isagro (Asia) Ltd, Mumbai
- Sabero Organics Ltd., Ankaleshwar
- HIL, New Delhi
- Vardhan Ltd, New Delhi
- Gujarat Insecticides Ltd, Ankaleshwar

INFRASTRUCTURE

- FT-IR
- NMR spectrophotometers
- Powder X-ray Diffractometer
- Gas Chromatograph – Mass Spectrometer
- TGA/SDTA
- Differential Scanning Calorimeter
- HPLC
- HPLC with multiple detector
- LCMS
- Gas Chromatograph
- Molecular Modelling
- Multiple organic synthesiser

CONTACT PERSON (Technical)

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VISION AND GOAL

- Bio-active organics for agrochemical applications and market driven technologies for agrochemicals and chemical intermediates.

CORE COMPETENCIES AND ACTIVITIES

- Synthesis of new molecules & screening of natural products (plant & marine) for agrochemical applications
- Development of selective market driven process technologies for new generation and known pesticides on specific demand by industry
- New direct delivery systems for slow release & bioactive molecules for application
- Integrated pest management including use of pheromones, kairomones, natural products and biopesticides
- Impurity profiling and toxicological studies of agrochemicals

CURRENT RESEARCH AREAS

- To develop new and novel processes for commercially important agrochemicals, intermediates and to synthesise new chemical entities to be used for crop protection
- Chiral synthesis, process development and impurity profile generation.

TECHNOLOGIES AVAILABLE

- Thiophanate-methyl
- Acephate
- Chlorpyrifos
- Biopesticide from neem and annona
- Insect pheromones for cotton, tobacco crops
- Esfenvalerate
- Cypermethrin
- Lambda Cyhalothrin
- Triazophos
- TAU-Fluvalinate
- Chlorothalonil
- Profenophos
- 1,2,4-Triazole

MAJOR CLIENTS

- Bhagiradha Chemical Industries Pvt. Ltd, Hyderabad
- AIMCO Pesticides, Mumbai
- Ficom Organics, Mumbai
- Ralchem Ltd., Hyderabad
- Indofil Chemicals Co., Mumbai



Wind Tunnel

(Model: Laboratory fabricated and supplied by TNO, Netherlands)

