

NATURAL PRODUCTS CHEMISTRY



GC/EAD (Model: Auto spike EAG, GC/EAD, Syntech 1998)

MAJOR CLIENTS

- Dabur India Limited, India
- Glaxo SmithKline Beechem, UK
- Indigene, India
- Hindustan Lever, India
- Sai Drusyn Laboratories, India
- Indigene Pharmaceuticals Pvt. Ltd. India

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NATURAL PRODUCTS CHEMISTRY

Indian Institute of Chemical Technology
Tarnaka, Uppal Road, Hyderabad 500 007, INDIA



VISION AND GOAL

To become world class R&D leader in

- Synthesis of bioactives especially in Pharma sector
- Natural products research with special emphasis to develop INDs, herbal drugs and facilities



Molecular Modelling

(Model: R-1000 (SGI) USA)

CORE COMPETENCIES AND ACTIVITIES

- Development of new synthetic methodologies for novel scaffolds, hybrid natural products and combinatorial chemistry.
- Phytochemistry, new bioactive molecules, herbal drugs and their standardization

CURRENT RESEARCH AREAS

- Asymmetric synthesis
- Total synthesis of bioactive molecules



Personal Sepbox

(Model: SEPIAtec, GmbH Germany)

TECHNOLOGIES

- Several bioactive molecules in the area of anti-cancer, anti-diabetic, memory enhancers and single molecule antioxidants are available for further development. Patents on them are also available for licensing.

INFRASTRUCTURE

- Personal Sepbox
- Accelerated solvent extractor
- HPTLC
- HPLC
- NMR & Mass Spectral facilities
- Pilot plant facilities



Gas Chromatograph-Mass Spectrometer

(Model: VG Micromass 70-70H, Micromass, UK)