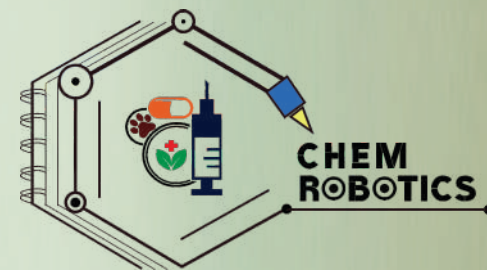


CHEMROBOTICS

Global Agrochemical Intelligence



**AgroPat
DataBase**

AGROPAT DATABASE

Access details of over 5000 technicals / formulations / combinations



INDIAN PESTICIDE DATABASE (IPD)

Access all 9(3) or 9(3B) and 9(4) approvals technicals / formulations / combinations



CHEMROBOTICS MRL DATABASE

Access MRLs of all Technicals / Combinations

Maximum residue Levels (or Limits) covering Codex-Alimentarius and several countries viz Australia, Canada, China, Europe, India, Malaysia, Taiwan, Japan and USA, etc. Covers prescribed crops in different countries, search filelds-Crops and Countries



GLOBAL AGRO-PRODUCT DIRECTORY

Access labels, factsheets, monographs, technicals / formulations / combinations with their source of supplier(s) of globally approved technicals / formulations / combinations.



TECHNICAL ROUTES

More than 15000 routes of synthesis for Agrochemical & Pharmaceuticals

Dedicated to agrochemical, pharmaceutical and fine chemical industry, Process or routes of synthesis with their intermediates for more than 15000 active ingredients are disclosed.



TECHNICAL SUPPLIERS

Provides technical supplier information

Dedicated to agrochemical, Pharmaceutical and fine chemical industry, wherein supplier information of more than 15000 active ingredients with their intermediates is provided.

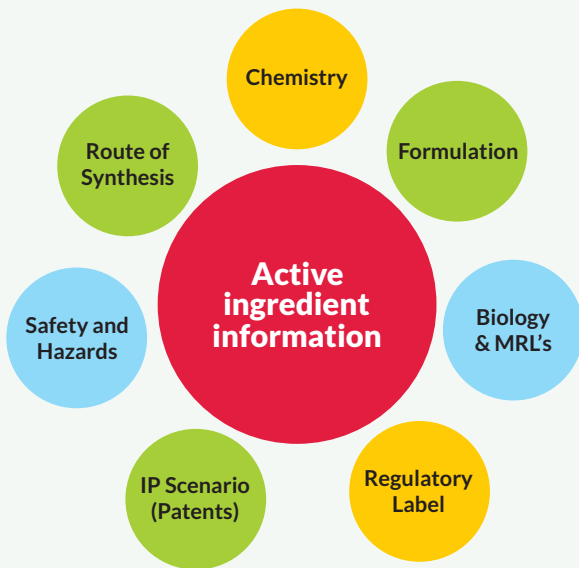


JARVIS: A CLASSIFIED AGROCHEMICAL PATENT DATABASE

A Patent Intelligence Database Patent: With Classification Such as Compound Patent, Process Patent, Composition Patent, Combination Patent that can be sorted.

Periodic Updation : User can access all newly published patents / PCTs in Agrochemical segment.

PROBLEM SOLUTION APPROACH ONE STOP SOLUTION



FIELD OF COVERAGE



Agro-Chemical



Chemical



Fine Chemical



Pharma

CHEMROBOTICS AGROCHEMICAL INTELLIGENCE

Access to over 5000 Agrochemical Active Ingredients, combinations and their formulations

Pesticides - Biopesticides - Fertilizers - Growth Regulators

Product landscape : Chemistry - Formulation - Biology

Regulatory - IP Scenario (Patents)- Safety Information

- Product identification with CAS number, developmental code / EPA Code
- More than 30 physicochemical properties
- Compound Patent / Innovator's / Developer's information
- Process Patents with their family equivalents / Route of synthesis / intermediates with CAS number, key starting materials / intermediate information
- Access Patent claims / examples / descriptions
- Commercialization / Regulatory information / Launch information with supplementary protection certificate (SPC) / exclusivity detail
- Label indication, use, application rate / spectrum
- Toxicity E-fate profile / safety measures
- Country wise approved products with their relevant information such as trade names, ai names, registration holders, labels, factsheets and monographs, SDS, FAO, Direction for Use (DFU), CIPAC methods, technical / combination / formulation suppliers.

**AgroPat
Open
Access™**

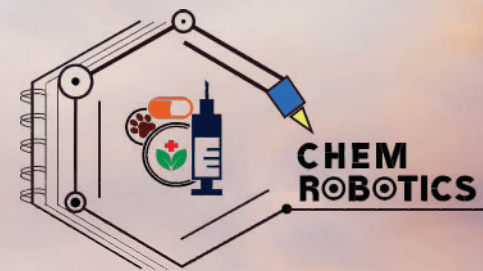
- **Agropat Open Access is a platform wherein we provide few searches for free with the basic information of an AI.**

**AgroPat
Lite™**

- **AgroPat Lite is liter version of AgroPat Ultimate, which is designed for business over view.**

**AgroPat
Ultimate™**

- **AgroPat Ultimate is the full version which is designed for scientist & product development professionals, wherein all essential documents can be accessed.**

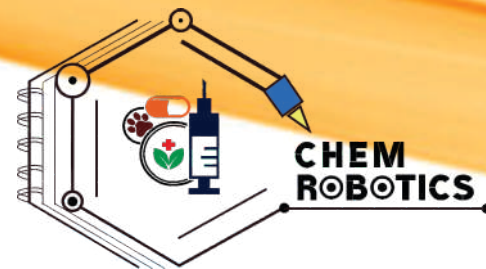


ChemRobotics - USP

- One stop shop for agrochemical intelligence
- Search capabilities - Simple & Advanced search
- Landscape for Agrochemical molecules
- Reporting of new discovery candidates - Developmental Molecules
- GCD-Dynamic search filter for the off patented agrochemical molecules
- Worldwide Regulatory Scenario - USA, Europe, Brazil, India, China and Japan etc.
- Periodic Patent updation with product landscape



INDIAN PESTICIDE DATABASE (IPD)



“Indian Pesticide database” (IPD) is an independent database that provides all Registration Committee meeting minutes updates in classified form 9(3), 9(3B), 9(4) and endorsement in different categories, including new crop updation, MRL, data requirements.

RC MEETING UPDATES

Periodic updates on new approval

- Update within 2 -3 days of publication in classified form 9(3), 9(3B) & 9(4)
- Generic 9(4) approvals
- Endorsements in different categories including label extension, new crop addition , company etc.
- Indian Patent Information on 9(3) Products

Additional information asked by Central Insecticide Board & Registration Committee to applicant in various categories as per pesticide approval such as bio-efficacy, toxicology, chemistry and packaging as per Insecticides Act 1968.

INDIAN PESTICIDES APPROVALS INFORMATION

Product registered under Section 9(3):

- New active ingredient (ai) molecules, combinations and their formulations approval
- Technical import (new source) and their renewal

Product registered under Section 9(3B):

- Provisional registration information for newly introduced pesticides under section 9(3B) of the Insecticide Act 1968

Product registered under Section 9(4):

- Technical Indigenous Manufacture (TIM)
- Approved Formulation Indigenous Manufacture

Approved products
in different categories
under Insecticide
Act,1968

Access to
digitalize data

**RC MEETING
UPDATES**

Update within
2 -3 days of publication
in classified form
9(3), 9(3B) & 9(4)

Access Non
digitalize data

Product registered
under section 9(3B)
New AI molecules
combinations and their
formulation approval

**INDIAN PESTICIDE
APPROVAL
INFORMATION**

Product registered
under section 9(3B)

Product registered
under section 9(4)



GLOBAL AGRO-PRODUCT DIRECTORY

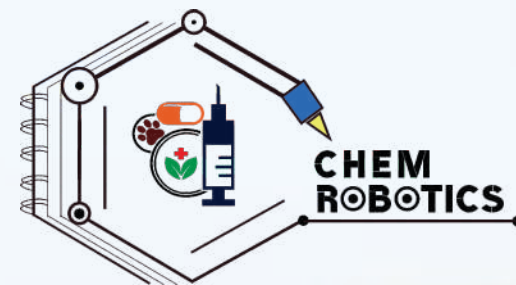
- Approved product information - active ingredients / technical name, company name, trade names, formulation details, applicant name, registration numbers, etc.
- Technical and formulation source of supplier(s)
- Original images: Product and their Trademark
- Product identification with CAS Numbers
- Label Indication, Use, Application Rate, and Spectrum
- Toxicity / E-fate profile / safety measures
- Country wise approved products with there all relevant information such as trade name, ai name, registration holders, labels, factsheets and monographs with technical and formulation suppliers

User can access additional scientific information comprising

formulation, combination, developer, innovator, existing intellectual property, regulatory requirement, biology data including spectrum, mechanism of action (MoA), Direction for Use (DFU), toxicity profile and safety, which play major role in decision or strategy making in industries, academics and at individual level.

“Brazil-Ag-Pedia” Database (BAPD)

“Brazil-Ag-Pedia ” Database (BAPD) is an independent database that provides approved pesticide information in Brazil. Information comprises trade names, ai names, registration holders, technical and formulations suppliers etc



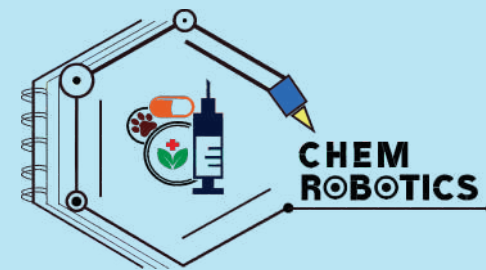
Approved Pesticide Products

- Global Agro-Product Directory enables user to "Filter" data with active ingredient, company, trade name fields
- User can retrieve technical names, formulation details, applicant names and registration, information etc.
- Technicals, formulations details with their source of supplier(s)
- Export of data can be done in excel format
- Covering several countries viz Australia, Austria, Brazil, Canada, China, Europe, Greece, India, Ireland, Israel, Malta, Netherlands, Poland, Slovakia, Sweden, Turkey, USA and Ukraine etc.

Enables user to translate document in English and in other native language (labels factsheets & monographs)

TECHNICAL ROUTES

CHEMROBOTICS DATABASE



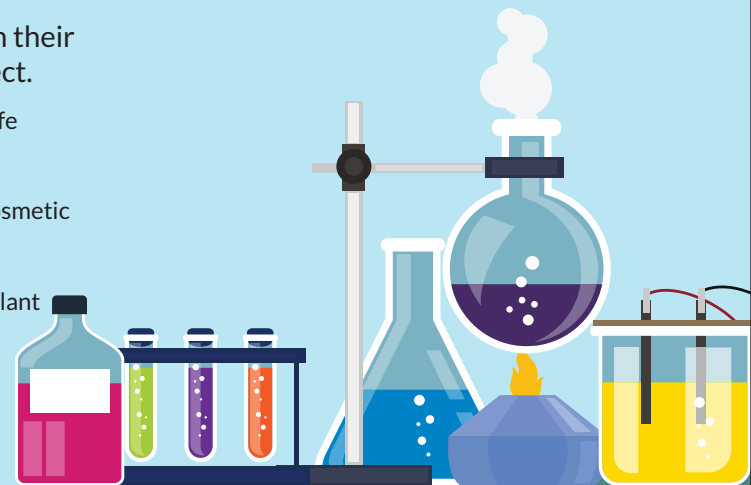
ChemRobotics "Technical Routes" is a platform dedicated to agrochemical, pharmaceutical and fine chemical industry, where in more than 15000 active ingredients processes or route of synthesis with their intermediates are disclosed. Said intermediate can be searched by their CAS RN. And IUPAC name ect.

The route of synthesis also classified as

- Commercial routes of synthesis
- Chinese routes of synthesis
- Innovator's routes of synthesis etc.
- Patent or non-patent reference

ChemRobotics "Technical Routes" is a continuously updated global life science database. Its coverage includes following

- > 8000 Active Pharmaceutical Ingredients (APIs from preclinical to marketed AIs), including Pharmaceutical, veterinary drugs, food & cosmetic additives and nutraceuticals
- > 6000 agrochemical active ingredient (developing to marketed Ais), including biocides, fungicide, insecticide, herbicide, nematocide and plant growth regulator etc.
- > 50000 intermediates are linked to the active ingredients



Module

Basic Info

- Molecule Identification such as chemical structure, CAS RN etc.
- Compound Patent / Innovator's / Developer's information
- More than 30 physicochemical properties

Active Ingredient Routes

- The routes of synthesis with the patent & non patent references are provided
- The route of synthesis also classified as
- Commercial routes of synthesis
- Chinese routes of synthesis
- Innovator's routes of synthesis etc.
- Patent or non-patent reference.

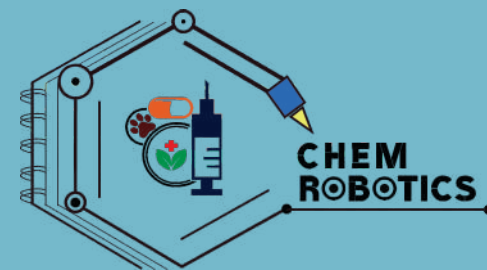
DMF OR Suppliers

- Active Substance Master File - DMF / ASMF / VMF / Technical Supplier Information
- Coverage - Indian, Chinese and other countries supplier information.
- Search Filters - Supplier country filters such as China, India etc.

Chemical Directory

- More than one lakh chemicals / fine chemicals with their basic info & applications in Agrochemicals / Pharmaceuticals
- Chemical structure / sub-structure search options
- Text search - active ingredient, CAS RN. And IUPAC name etc.
- Search - Supported to InChI, InChIKey, SMILES search option
- Application filters - Impurity, Degradation product, Metabolite, building blocks etc.
- Patent or non-patent references.

CHEMROBOTICS TECHNICAL SUPPLIERS



ChemRobotics “Technical Supplier” is a platform Dedicated to agrochemical, Pharmaceutical and fine chemical industry, wherein supplier information of more than 15000 active ingredients with their intermediates is provided. Said information is fully searchable by means of the name of active ingredient , CAS RN & IUPAC name etc.



China



Latin
America



Europe



Africa



Asia



NAFTA
Countries

ChemRobotics “Technical Supplier” provides continuous updates on technical suppliers with all relevant information.

It also provides Indian, Chinese and other countries supplier information.

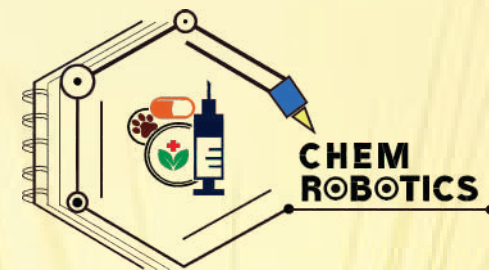
Provides the DMF or Supplier information:

- Agrochemical Supplier
- Pharma - Drug Master File (DMF)
 - ASMF (EP-DMF)
 - VMF (Veterinary Master File)
- The platform also discloses the literature reference e.g. Patent or Non Patent reference



CHEMROBOTICS MRL DATABASE

Covering more than 85 countries globally, e.g. USA, Canada, Australia, China, Codex, Europe, India, Malaysia & Japan, Taiwan



MAXIMUM RESIDUE LEVELS (OR LIMITS)

- Live access-Codex Alimentarius
- MRL standard as per authorized agency (USEPA, EU Pesticide & FSSI)
- Commodity Notes
- Residue Definition

CROP / COMMODITY

- Covered prescribed crop in different countries Validity of MRL's (Expiry)

USER FRIENDLY DATABASE

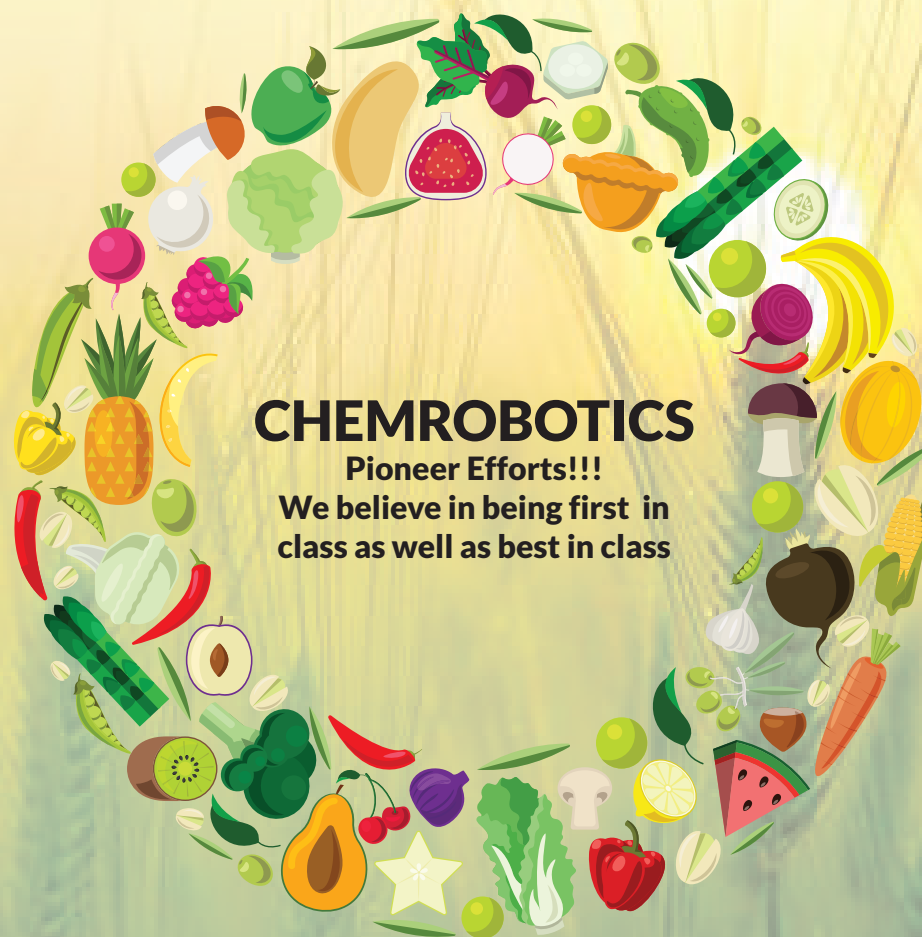
- With filter data as per field such as AI name, country etc.
- Searched data can be exported in excel format
- Compare MRLs values in different countries

COUNTRY

MRL standard as per

- Indian FSSI (Notification No. 2017)
- EU Pesticides database
- USEPA (GPO Federal Digital System)

Canada, China, Europe, India, Malaysia & Japan



CHEMROBOTICS

Pioneer Efforts!!!

We believe in being first in class as well as best in class

JARVIS Database

A Patent Intelligence Database

- Jarvis - Agro
- Jarvis - Pharma
- Jarvis - A Competitor Patents Watch Database for Chemical, Agrochemical and Pharma Segments

JARVIS

A CLASSIFIED AGROCHEMICAL & PHARMA PATENT DATABASE

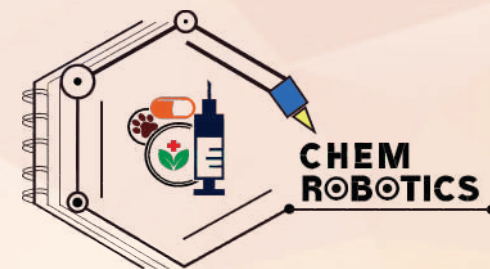
A Patent Intelligence Database

Patent: With classification such as Compound Patent, Process Patent, Composition Patent, Combination Patent that can be sorted.

Periodic Updation: User can access all newly published patents / PCTs in Agrochemical segment.

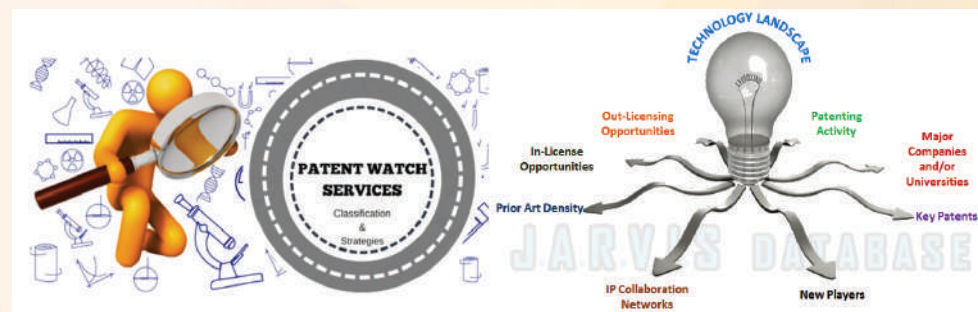
JARVIS is a patent intelligence database for Agrochemicals and Pharmaceuticals, wherein user can get

- Product Patent details with innovator/assignee, expiry, etc.
- Broad Landscape of any Agrochemical and Pharmaceutical active ingredient molecule
- Classified (product, formulation, etc.) Patent Family
- Periodic updates for Agrochemical and Pharmaceutical patents
- Filter patent data as per Combination/solo products
- Filter data as per patent classification
- Updates on Indian patents



Jarvis enable companies to know more about Competitor

- Who are your competitors – Identifying competitors by Patent technology Landscape
- Learn from your competitors – Identifying their key technologies in patents
- Continuous Tracking of your Competitors – By Weekly Patent Watch



AgroPharm-XIM Analytics Database

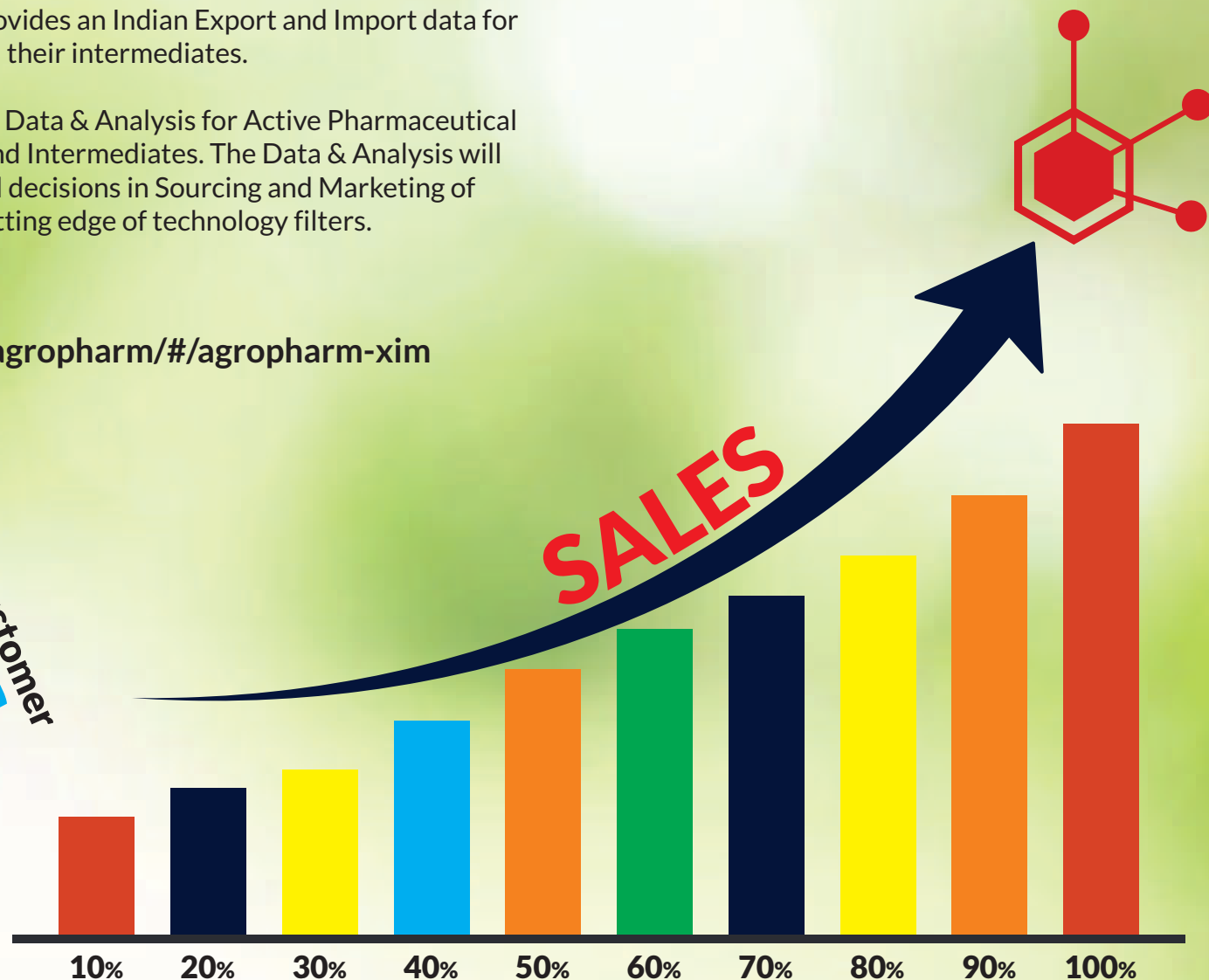
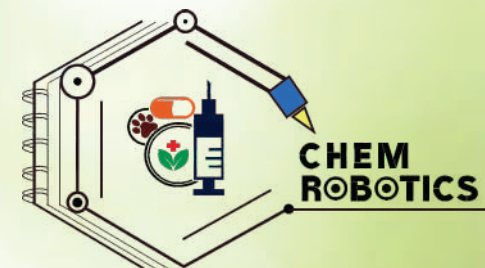
A new platform on highly demanded by our premium and prospective clients in Agro & Pharma Industries.

AgroPharm-XIM Analytics Database - provides an Indian Export and Import data for Pharmaceuticals and Agrochemicals with their intermediates.

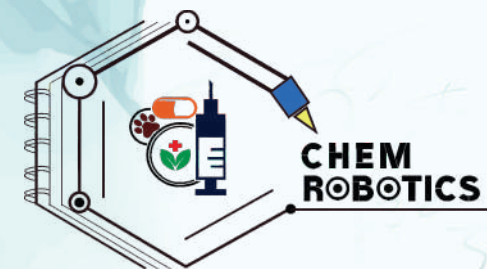
We provide Export and Import of Market Data & Analysis for Active Pharmaceutical Ingredients (API), Formulations (FDFs) and Intermediates. The Data & Analysis will enable the organisations to taking critical decisions in Sourcing and Marketing of Pharmaceutical Products by using the cutting edge of technology filters.

There are a lot to explore at

<https://www.chemrobotics.com/agropharm/#/agropharm-xim>



ChemRobotics Databases



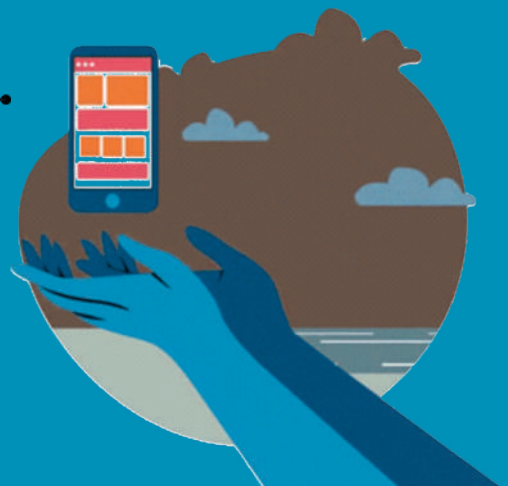
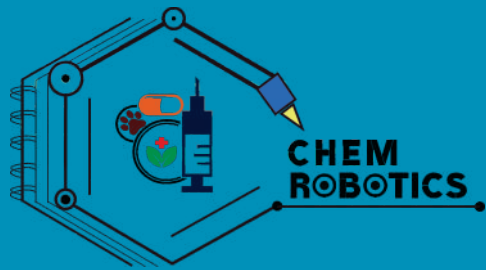
Agrochemical Database

- **AgroPat Lite** : Access 5500 pesticides with chemistry, Biology, Regulatory, and IP info. (Designed for Business Development function)
Weblink: <https://www.chemrobotics.com/agropat-lighter/login>
- **AgroPat Ultimate** : In detailed Access 5500 pesticides with chemistry, Biology, Regulatory, and IP info. (Designed for Research & Development function)
Weblink: <https://www.chemrobotics.com/agropat-ultimate/>
- **Indian Pesticide Database (IPD)** : All Indian Approvals, e.g. 9(3) and 9(4), etc.
Weblink: <https://www.chemrobotics.com/agropat-lighter/ipd>
- **Global Agro Product Directory** (More than 50 countries approved product info. with relevant documents such as label, factsheet, and monograph)
Weblink: <https://www.chemrobotics.com/pesticides-directory/>
- **Global MRL Database** (More than 80 countries MRL info.)
Weblink: <https://www.chemrobotics.com/agrochem/mrl-database>
- **JARVIS Agro Patent** (A Competitor Patents Watch Database for Agrochemical)
Weblink: <https://www.chemrobotics.com/agrochem/agro-patent>
- **AgroPharm-XIM Analytics Database** (Indian Export and Import data for Pharmaceuticals and Agrochemicals with their intermediates)
Weblink: <https://www.chemrobotics.com/agrochem/#/agropharm-xim>







Pharma Databases

- **ChemRobotics Pharma:** PharmVetPat Platform dedicated to Pharma / Veterinary and Fine Chemical vertical.
Weblink: <https://www.chemroboticspharma.com/>
- **ChemRobotics PharmaVetPat** : (PharmaVetPat is a pharmaceutical / veterinary / Fine Chemical patent and regulatory database)
Weblink: <https://www.chemroboticspharma.com/>
- **JARVIS Pharma Patent** :
Weblink: <https://www.chemroboticspharma.com/pharma-patent>
- **Chemical Directory** :
Weblink: <https://www.chemroboticspharma.com/chemical-directory>
- **Technical Routes** (More than 15000 routes of synthesis for Agrochemical & Pharmaceuticals)
Weblink: <https://www.chemrobotics.com/agrochem/technical-routes>
- **Technical Suppliers** (Provides technical supplier information)
Weblink: <https://www.chemrobotics.com/agrochem/technical-supplier>





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CAREER

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