



owner **property** abuse  
control **intellectual** respect  
**rules** **rights**  
exclusive original  
**law** patent risk  
authorship talent **copyright** permit  
**trust** creator market  
media **services** creativity **value**  
**holder** business **concept** **web**  
reserved **global** control  
internet monopoly **work**  
**piracy** **brand** design **secret**  
plagiarism registered industrial  
action **trademark** info **license**  
**legal** **protection** ownership  
author hack **copy**  
fine **invention** royalties  
white product idea buy



8<sup>th</sup> INDUSTRIAL INTELLECTUAL PROPERTY

AWARDS 2022

Profiles of Winners



*"Celebrating Excellence in Intellectual Property"*

**8<sup>th</sup> INDUSTRIAL INTELLECTUAL PROPERTY**

**AWARDS 2022**

Profiles of Winners

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# FOREWORD



**Chandrajit Banerjee**  
Director General, CII

Confederation of Indian Industry has been working on strengthening the Intellectual Property eco-system in the country by demonstrating the vital role of IPR in making businesses more competitive and public services more effective. To create an appreciation for IPR and expand its protection among Indian industry, CII constituted the National Committee on IPR years ago to guide, steer and direct newer efforts in fostering IPR culture in the country. This year the CII IP Committee is focusing on the theme, 'Business Growth Through IP Intensive Industries'.

Since the year of inception in 2015, the CII Industrial Intellectual Property Awards aim at recognition of enterprises which have embraced IP generation, protection, and commercialization to fuel their business and economic growth. The purpose of these awards is to encourage organizations to foster a culture of creating and protecting their Intellectual Property (patents, trademark and design) and its commercialization, bring the achievements of enterprises (Industry, Academia and R & D Institutions) in public domain, set up linkages between Industry, academic and research institutions in India and abroad, inform the government about IP-driven enterprises and engage such enterprises in policy making exercises. Different categories of industry viz large, small, medium and start-ups have been encouraged to participate in the competition and the entries were evaluated by an eminent jury.

This current compendium presents the profiles of top 12 IP-driven organizations which are the winners and 12- special appreciation award holders of the 8th edition of the CII Industrial IP Awards in 2022. It is expected to be a reference document for industry, academia and R&D Institutions to learn and understand the IP ecosystem that is embraced and practiced by the top IP driven organizations in India.



8<sup>th</sup> INDUSTRIAL INTELLECTUAL PROPERTY

AWARDS 2022

Profiles of Winners



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## Wisig Networks Pvt Ltd

Best Patents Portfolio

Category: Startup - ICT/Services

### About the Company

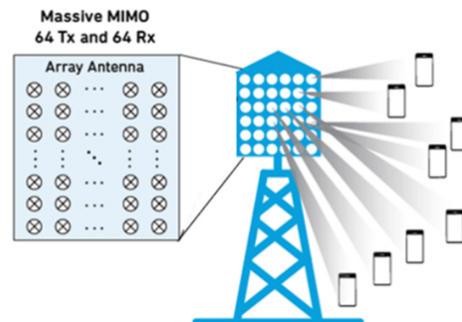
WiSig Networks collaborates with semiconductor and processor companies to create reference platforms for 5G gNodeB and 5G IAB, licenses its designs and software to the original equipment maker.

WiSig also works with ecosystem partners like ODMs, EMS partners to manufacture and deploy wireless communication equipment, consumer and IoT devices.

### About the Product

#### WiSig DIFFERENTIATORS

- Best-in-class own 5G PHY, L2/L3 with RIC and network simulator.
- Chipset neutral platform
- Can co-work with Third Party RU providers to establish inter-operability
- Enables Indian rural broadband use cases apart from urban public networks, critical and private networks.



Sohini Tech Park,  
8th floor, Nanakramguda Road,  
Financial District, Gachibowli,  
Telangana 50032



## **Niramai Health Analytix Pvt Ltd**

**Best Patent Portfolio**

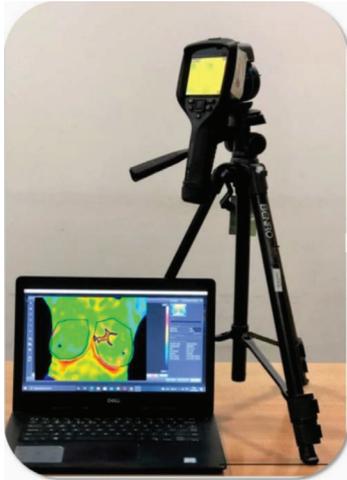
**Category- Startup - Life Sciences**

### **About the Company**

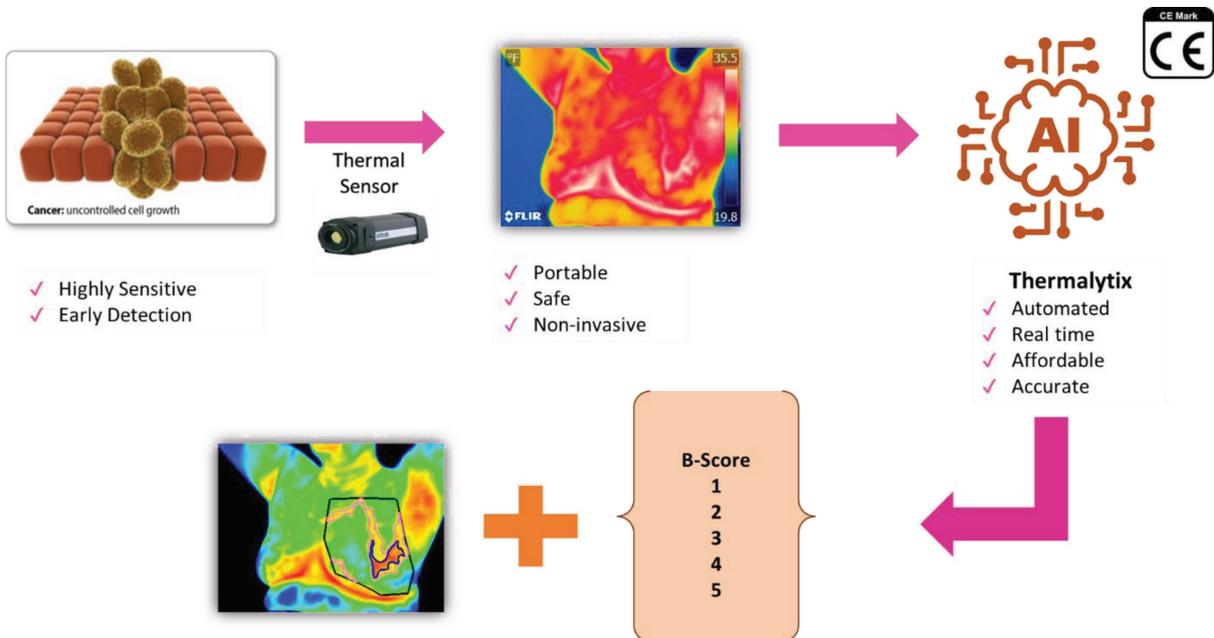
Breast cancer is the largest cause of cancer deaths in women. According to the WHO, one in every 12 women have a risk of a breast abnormality. NIRAMAI (originated from 'Sarve Santhu Niramaya' with Sanskrit meaning: 'let everyone be healthy') is a deep tech start-up from India founded in July 2016 by Dr. Geetha Manjunath and Ms. Nidhi Mathur with an aim to reduce mortality of breast cancer deaths using their novel test for detecting early-stage breast cancer. The developed test is radiation free, non-invasive, affordable, portable, privacy aware and more sensitive than traditional methods or self-examination. Established as a small lab with 4 members in an incubation centre in Bangalore, Niramai has now more than 80 full-time employees and is commercially available in over 150 hospitals/diagnostic centers and screened 70,000 women in India, Kenya and UAE - with ongoing pilots in Europe, Turkey and USA.

### **About the Product**

Niramai's core product is called Thermalytix that is developed using their patented Artificial Intelligence (AI) Technology for early detection of breast cancers. The word 'Thermalytix' is trademarked under classed 9, 42 and 44. Thermalytix is also protected by 29 granted patents along with 20+ other patent applications in India, US, China, Japan, Singapore, Canada, and Europe. Broadly, Thermalytix is a software as a medical device (SaMD) that analyses breast temperatures using AI to detect any breast abnormalities. Thermalytix makes the breast cancer screening a portable, radiation free, non-invasive, affordable, privacy aware test. Thermalytix test is clinically validated in multiple prospective clinical trials and has obtained a regulatory clearance in Europe with a CE Mark. A variant of Thermalytix called SMILE-100 is also recently obtained US 510(k) FDA clearance.



Thermalytix requires only a portable thermal camera and laptop with internet. They can be carried in a backpack making Thermalytix highly suited for rural screenings.



### Intellectual Property (IP) Portfolio

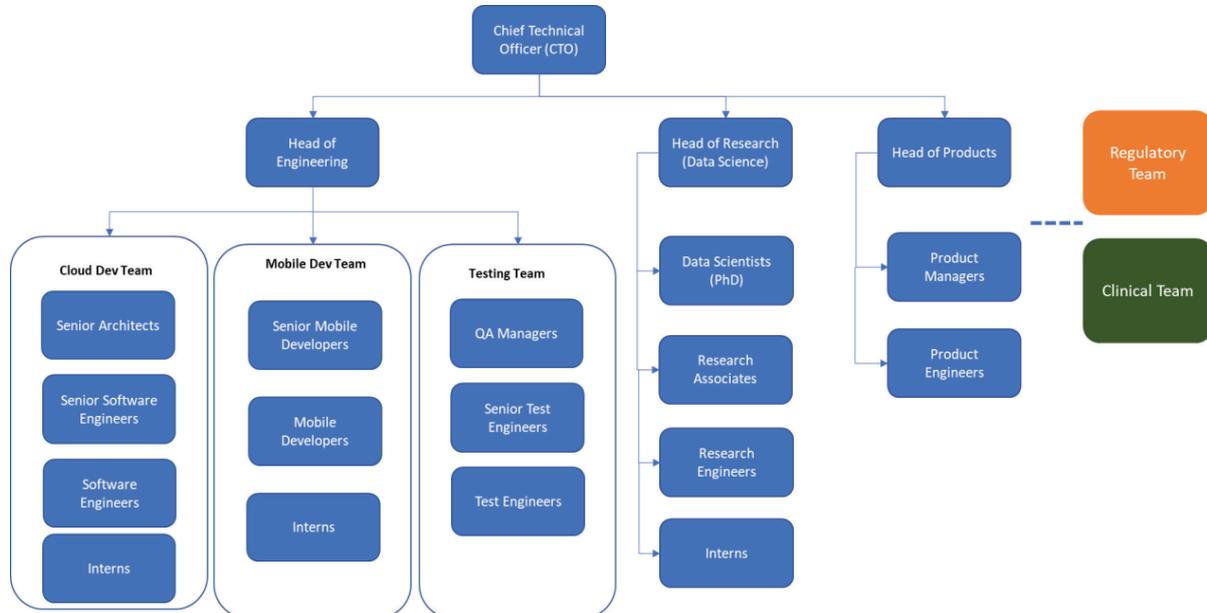
All IP from Niramai is related to their product for early detection of breast cancers. In total, Niramai has 29 patent grants (11 US, 11 India, 2 Japan, 2 China, 2 Canada, 1 Singapore), 3 granted trademarks with 20+ patent applications and 4+ trademarks under review. The inventions help in automating different aspects of the breast imaging test such that a 12th graduate/nursing staff can conduct and generate a breast health report with a minimal training. The inventions also help in tele-certification where rural women can get certified reports from the experts and an improved performance with AI assistance.

### Intellectual Property (IP) Policy

1. Intellectual property created by employee /staff/intern working on projects related to company, is owned by the company if it is created either: within the scope of employment; or within the scope of company's interests/projects; or with significant use of company resources.
2. The ownership of the Intellectual property will remain with the company and no royalties are paid to the employee/staff/intern.

3. The employee/staff/intern are listed as inventors for the Intellectual property.

### R&D structure



### Team Strength

Niramai has strong Research and Development team of 30 members who are divided across Products, Engineering and Research team. The CTO has 30+ years of experience in industry, Head of Engineering has 20+ years of experience, head of products has 15+ years of experience and head of research has 7+ years of experience. Along with this, the team constitute 4 PhDs, 6 senior developers, 2 research associates (who have worked for more than 4 years or/and have master's degree) and with many budding engineers/developers and Interns.

### Best practices

1. To motivate employees to generate IP, NIRAMAI identifies and awards the candidate based on their contribution to the intellectual property filed in a year. The recipients of awards for the last two years were Kaundinya Panyam (awarded in 2022) and Siva Teja Kakileti (awarded in 2021). Once the company is profitable, they plan to give incentives for the inventors of the patent.
2. From the initiation of a project, an internal team will evaluate the potential of possible IPs.

### Niramai Health Analytix Pvt Ltd

Ground Floor, Innova Pearl, No. 17, 5th Block,  
Koramangala Industrial Layout, Bangalore, 560095



## Shashvi Remedies Private Limited

Best Trademark Portfolio

Category- Startup - Life Sciences

### About the Company

Shashvi Remedies Private Limited is a DPIIT recognized Life Science Startup. Shashvi means provider of Health, Peace & Prosperity. Shashvi Remedies do Research, Develop, Innovate, Validate, and Drive Powerful Solutions for Critical Diseases at Affordable Price. Shashvi Remedies Aim to Increase Life Expectancy of 1 Crore People yearly. Global Market Presence is their Endeavor. The Startup is boot strapped and will invite private investment in year 2023.

Shashvi Remedies Private Limited is an Income Tax Exempt Startup. They are National Startup Award finalist for the year 2022 to be announced in January 2023 and Winner of CII's organized IP & Industry Award for the year 2019, 2020 & 2021.

Shashvi Remedies Private Limited produces Unique Products of Excellent Quality. They are planning to Achieve Revenue of Rs. 10,000 Crore by 2030.

### About the Product

A Pioneer in making

(a) Chemo X - a Revolutionary Affordable Therapy for Cancer Treatment.

Chemo X therapy proven by conducting clinical trials on multiple types of Cancer. One Chemo X Therapy = For Multiple Cancers. Chemo X is Patented in India and Internationally and registered as Trademark.

Doctor's Feedback: Breast Cancer fourth stage patient has got CA 125 level to normal level (0-35) with-in 3 months of use of Shashvi Chemo X - Dr. Basiye, Mumbai



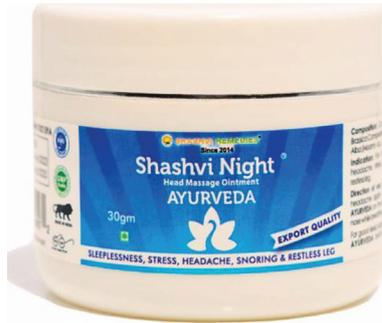
SHASHVI  
**CHEMO-X**  
 A HERBAL PRODUCT FOR CANCER

#### Benefits of CHEMO - X

- ☀️ Stopping proliferation of abnormal cells
- 🛡️ Suppresses Carcinogenesis
- 🌿 Useful in active and remission phase
- 🛡️ Enhanced Immunity
- 🔥 Anti-oxidant
- 🛡️ Anti-inflammatory
- 🧴 Preventive utility



- (b) Shashvi Night Cream - a Topical Herbal Therapy for Sleep, Stress, Snoring & Pain. Shashvi Night Cream first time Researched, Designed, Produced and Marketed in India by Shashvi Remedies. It is Patented in India and Internationally and registered as Trademark.



## SHASHVI NIGHT

HEAD ACHE

SLEEPLESSNESS

SNORING

STRESS

RESTLESS LEG

Customer Feedback: Shashvi Night Cream is Effective, Natural, Herbal product. Thank you for creating such a product. It'll be amazing if this product can be provided to non-resident Indians. – Garima

### Intellectual Property (IP) Portfolio

Shashvi Remedies Private Limited Research & Develop and Test Products for efficacy, Safety in most reputed Hospital/Institutes such as Tata Memorial Centre for Cancer, The Haffkine Institute, Nair Hospital, etc. They own >30 patents and >30 Trade-Marks. Patents are granted in USA, UK, Germany, France, Japan, Italy, Russia, Canada, South Africa, and in many more countries. They own Trademarks namely Shashvi LIV100, Dybo100 Gold, Shashvi Night, Lukor X, Chemo X, Shashvi Remedy for Pain, Shashvi Acidity X, Shashvi Stressnil Memory +, Safoclean, Malish, AuraDoze, etc. These Brands has been launched and has presence in the market.

Shashvi Remedies Pvt Ltd.

Sri Radha Parthasarathi, 1801, A wing, Plot 3,

Sector 35G, Mahaveer, Kharghar, Navi Mumbai, Maharashtra, India 410210



## Noccarc Robotics Pvt Ltd

Best Design Portfolio

Category: Startup -Manufacturing

### About the Company

Noccarc, an engineering company, currently develops smart medical devices for critical care. While Noccarc was initially involved in developing cleantech products, post the first wave of COVID-19, given the surge in the need for ventilators, Noccarc decided to take up the challenge of developing an indigenous ICU ventilator. Noccarc successfully developed Noccarc V310: an ICU ventilator, in just a span of 90 days, and currently, 3500+ units of NOCCARC V310 have been installed in 550+ hospitals across the nation.

Noccarc has recently launched HorizonView: A digital platform for seamless connectivity between medical devices, healthcare professionals and workflows, which will enable remote monitoring and diagnostics of patients in an ICU set-up. Noccarc is also all set to launch the smartest ventilator: Noccarc V730i, which is powered by HorizonView. Noccarc aspires to make healthcare smart, technologically advanced and accessible by building products that offer exceptional value to users.

### About the Product

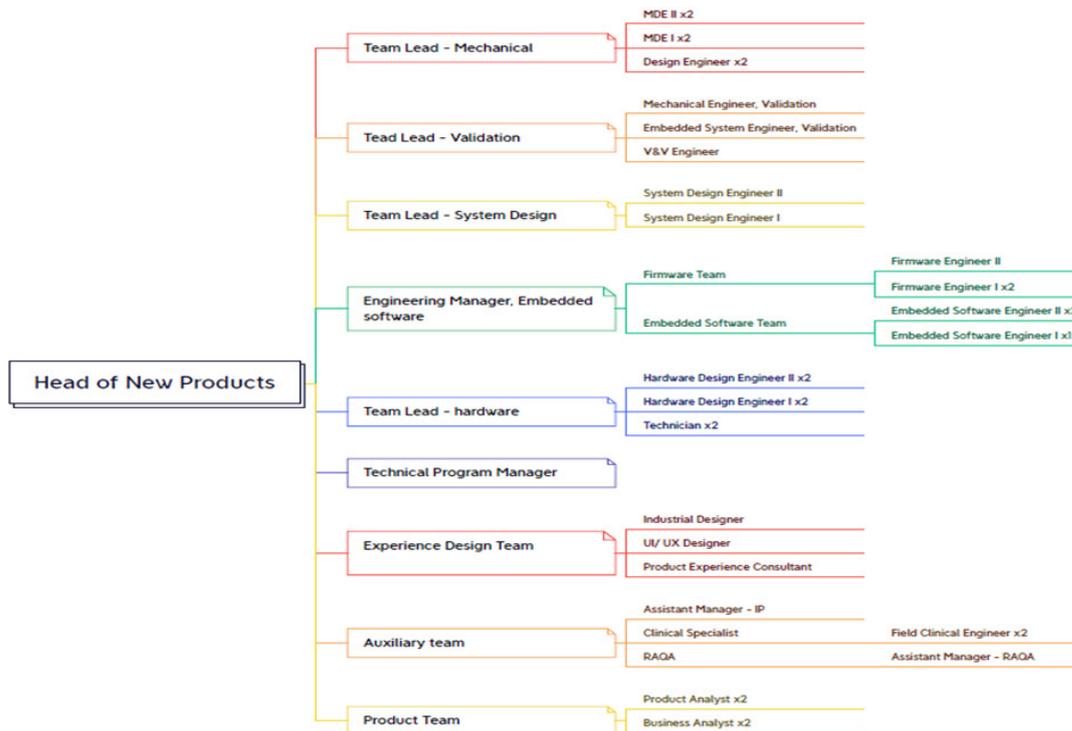
Noccarc V730i is the smartest and the most advanced ventilator, ever. Lack of Information can be overwhelming when trying to help a patient recover from a critical condition. That's why Noccarc have created HorizonView™, a platform that brings together all patient data for a holistic view of patient conditions and helps make informed decisions. With ventilation being an essential aspect of critical care, V730i is designed to connect to the HorizonView™ ecosystem seamlessly. When a hospital invests in V730i, they are investing in the future. Because Noccarc knows their needs change, they have included the latest generation 1.4 GHz Quad Core processor dedicated to connectivity and future expandability. When it comes to core ventilation, V730i is equipped with state-of-the-art Linear Motor flow control valves that ensure high levels of precision and accuracy over the entire range of patient categories. V730i offers multiple recruitment maneuvers for improved recovery and patient comfort.



## Intellectual Property (IP) Policy

Noccarc has a well-structured IP Policy which recognizes the contribution of all innovators. The policy is directed towards the protection of the current and future products of Noccarc. Along with the credit of the innovation, the innovators are also entitled to receive cash rewards given by Noccarc.

## R&D structure



## Team Strength

Permanent Employees: 103

Contractual Employees: 19

## Best Practices

Noccarc has a rewarding IP Policy which recognizes the contribution of all the innovators at Noccarc. Along with the credit of the innovation, the innovators are also entitled to receive cash rewards given by Noccarc.

T-142, Mahasainik Industrial Estate Rd, MIDC,  
Bhosari, Pimpri-Chinchwad, Maharashtra 411026



## **Sami-Sabinsa Group Limited**

**Best Patent Portfolio**

**Category: SME - Life Sciences**

### **About the Company**

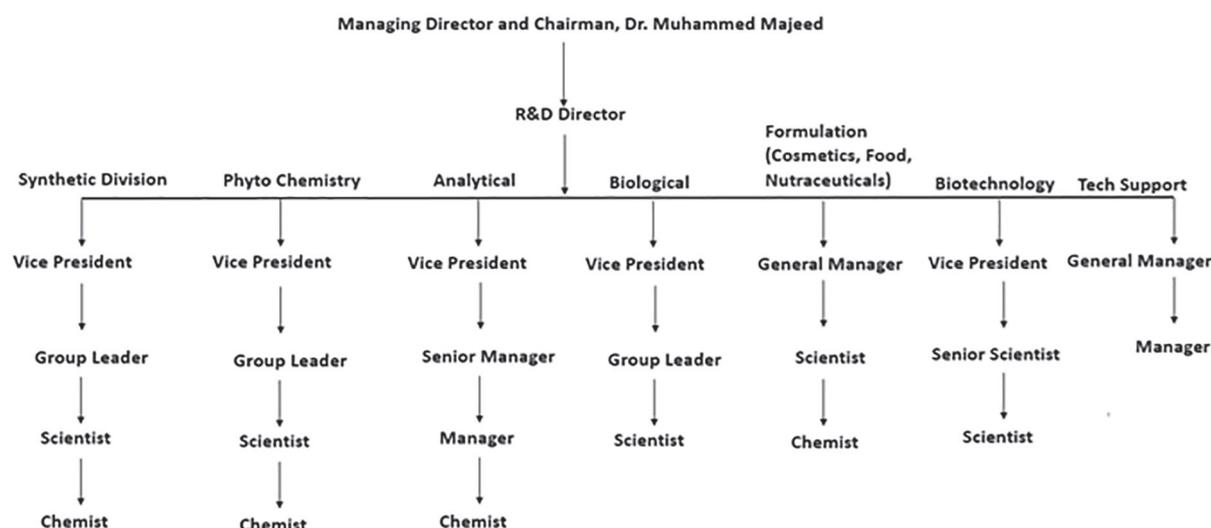
Sami-Sabinsa Group Limited, a pioneer and global leader in health sciences, is a leading producer of nutraceuticals, cosmeceuticals, standardized herbal extracts, fine chemicals, specialty chemicals, and probiotics. Founded in 1988 by Dr. Muhammed Majeed, an internationally acclaimed scientist turned entrepreneur in the field of Evidence Based Medicine, the Group has independent research divisions including Natural Drugs, Phytochemistry, Synthetic Chemistry, Tissue Culture, Biotechnology, Analytical R&D, Biological Research, Microbiology, and Formulations R&D all of which coordinate in a synergistic work model to create products meeting international standards. Sami – Sabinsa has its marketing offices in USA (NJ and Utah), Australia, Brazil, Canada, China, Germany, Japan, Poland, South Africa, South Korea, and Distribution office in UAE, Dubai. A team of over 120 research scientists work tirelessly to discover and develop standardized natural extracts that render alternative therapy to emerging nutritional and health requirements across the globe. A vertically integrated research-based manufacturing and marketing company, Sami – Sabinsa has a corporate R&D centre and six manufacturing facilities in India, as well as an International Food Standard Certified & GMP facility in Payson, Utah.

Furthermore, Sami-Sabinsa's manufacturing facilities have received several research and export awards from the Government of India, along with NSF GMP Registration, ISO FSSC 22000 Accreditation and US FDA inspected. The Group has a sizeable patent portfolio comprising over 395+ granted patents and 295 pending patent applications worldwide.

## About the Product



## Organization Structure



## Team Strength

- R&D integrated with Clinical, Marketing, and IP to cater need of the customers
- 120+ trained scientists
- Market driven research
- Corporate R&D center and six manufacturing facilities in India
- Marketing offices in USA (NJ and Utah), Australia, Brazil, Canada, China, Germany, Japan, Poland, South Africa, South Korea, and Distribution office in UAE, Dubai
- Research and Export awards from the Government of India (<https://sami-sabinsagroup.com/about/drmajeed-sami-sabinsa-awards>)

## Best practices

- Manufacturing facilities are GMP certified by NSF International Dietary Supplement Certification program
- ISO FSSC 22000 Accreditation and US FDA inspected
- Products are GRAS, KOSHER, HALAL, and EFSA certified



## ZIM Laboratories Limited

Best Trademark Portfolio

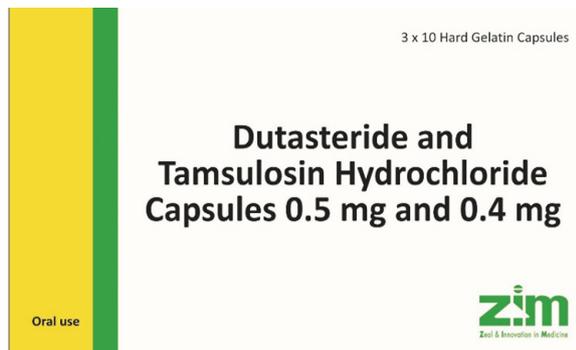
Category: SME- Life Sciences

### About the Company

ZIM Laboratories limited is an innovative drug delivery solution provider focusing on improving patient convenience and adherence to drug intake. They offer a range of technology-based drug delivery solutions and non-infringing proprietary manufacturing processes for the production and supply of innovative and differentiated generic pharmaceutical products to their customers globally.

### About the Product

#### 1) Dutasteride and Tamsulosin Hydrochloride capsule

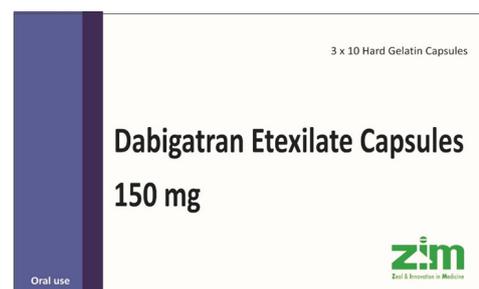


Dutasteride and Tamsulosin Hydrochloride capsule is an innovative product developed by ZIM Laboratories Limited with a platform technology microemulsion which has used the oil to solubilize dutasteride in oily layer and then emulsifies in aqueous layer, and coated on Tamsulosin pellet. The said pellets are filled in to the capsule. The said product is used in the treatment of benign prostatic hyperplasia (BPH). ZIM Laboratories Limited has filed an international patent application

WO2019224840 to protect the product technology into the worldwide market. Further ZIM Laboratories Limited is using ZIMDART as brand name for the said product and the same is protected through trademark registration number 2318894 in India.

#### 2) Dabigatran Etexilate Capsules

Dabigatran Etexilate Capsules is an innovative product developed by ZIM Laboratories Limited using novel organic acid. The product is being stabilized by use of glycerophosphoric acid as novel organic acid and through pellet technology. The product is used in the treatment of Prevention of stroke and systemic embolism. ZIM Laboratories Limited has filed an



international patent application PCT/IB2022/055118 to protect the product technology into the worldwide market. Further ZIM Laboratories Limited is using DABEXA as brand name for the said product and for which trademark application number 3488486 has been filed in India.

## 1. Intellectual Property (IP) Portfolio

### Intellectual Property (IP) Policy

ZIM Laboratory Limited has an efficient Intellectual Property Policy and Intellectual Property Management maintain absolute clarity on IPR related issues such as ownership, rights and obligation of employees and Company, rights and obligation of customers and Company, disclosure of work/ invention, non-disclosure of confidential information, liabilities in case of misappropriation of IP or resolution of IP related disputes strategically.

#### A. Purpose

The Company has adopted this Policy in order to protect its own IP and minimize the possibility of infringement of Intellectual Property rights of the Company and the third Parties. This IP Policy aims to provide transparent administrative system for the ownership, control and transfer of the IP created and owned by the Company.

#### B. Applicability

This IP Policy is applicable to all the employees, representatives and agents of the Company including its Subsidiaries and Affiliates.

#### C. Policies, Procedures, and Records

- Company shall respect intellectual property (IP) and conduct its business in compliance with the IP-related laws as applicable in the jurisdiction of Republic of India and its agreements with other companies.
- Company shall actively protect its own IP.
- Company shall maintain an effective system of IP asset management, including maintaining an inventory and records of IP-related assets and agreements.
- Company shall not knowingly infringe a third party's intellectual property in its products, services, or components, or disclose or use a third party's trade secrets without the express or implied consent of the owner or as permitted by law.
- Company shall not knowingly purchase or use counterfeit or other infringing goods and services in running its business, including counterfeit trademark goods or infringing copyright material (such as software, publications, video, audio, or other content).
- Company shall document and maintain written records of all substantial transactions and uses that involve the exercise of IP rights. (This includes, for example, licenses or assignments of rights; manufacture, reproduction or distribution of patented, trademarked)
- Company shall require, through binding policies or agreements with employees and contractors that its personnel comply with the applicable IP laws and the Company's IP policies and IP-related provisions in agreements with other companies.
- Company shall develop and implement a management system to help ensure that all personnel follow its IP policies. This management system shall encompass all IP-related policies, procedures and adequate and accurate records necessary to implement, measure, and improve Company's IP protection and compliance program.

#### Team Strength

ZIM Laboratories has a total of 5 members in the IPR team and 107 in the R&D department.

### Best practices

1. Providing training to R&D scientist, Business development, marketing team and other employee in the organization on intellectual property.
2. Product will be prepared by considering the patent scenario.
3. Freedom to Operate (FTO) searches are performed before launching a new product to ascertain the product commercially 'safe' to make or sell their product in the country in which they wish to do so, without infringing existing third-party rights.
4. Protecting novel Innovative ideas of their scientist through filing a patent so that the invention cannot be commercially made, used, distributed, imported, or sold by others and it will remain exclusive with us.
5. In order for an invention to be patentable, the new formulations/ inventions are evaluated by us under patentability criteria for invention, before filing the patent.
6. Products/ inventions are developed considering deficiencies or drawbacks in the prior art; so that developed product provide better patient compliance.
7. Prior art technology is used wherever possible in the product to avoid patent conflict.
8. Trademark registration is secured for their product brands and then they use it, to avoid third party brand conflict.
9. Strongly protecting their trademark registration by filing opposition to any deceptively similar third party trademark.

Address: ZIM Laboratories Limited,  
B- 21/22, MIDC Area, Kalmeshwar,  
Nagpur-441501, Maharashtra, India.



## Indian Institute of Technology Madras

Best Patent Portfolio

Category; Academic Institution

### About the University

The Indian Institute of Technology Madras was established in 1959 by the Government of India is a premier institute of higher technological education, basic and applied research, innovation, entrepreneurship and industrial consultancy. It has been consistently ranked as the number 1 engineering institution in India right from the inception of NIRF, Govt. of India, seven years ago.

IIT Madras at present has nearly 610 faculty members, 10,400 students and 1200 administrative & supporting staff. The Institute has sixteen academic departments and a few advanced research centres in various disciplines of engineering and sciences, along with nearly 100 laboratories. IIT Madras has produced about 57,000 well trained graduates so far.

The institute has Centre for Industrial Consultancy and Sponsored Research (IC & SR) for facilitating institute's research activities, intellectual property protection & its commercialisation and industry interface. Institute has a Research park, a facility to encourage start-ups and nurturing Industry-Academia collaboration.

### Intellectual Property (IP) Policy

IP Policy of IIT Madras provides full freedom to the inventors to innovate new ideas, develop prototypes, commercialise R&D products/developed technology, start-up and entrepreneurship activity. As per the institute policy, 72% of the revenue generated through commercialisation of the invention is given back to the inventors to encourage more IP generation and its commercialisation.

### R&D structure

Dean (IC&SR) heads the Centre for Industrial Consultancy and Sponsored Research which takes care of all activities related to funded projects, IP generation, protection & its commercialisation along with all related R&D activities of the institute. IC&SR has six administrative verticals to take care of all activities related to R&D administration and IP management.

### Team Strength-

IPM Cell, IC&SR at IIT Madras takes care of IP operations, IP analytics and IP licensing. At

present it has the team strength of 12 members.

### **Best practices**

- New ideas are generated through ideation process and prioritised based on their merit and relevance to the given problem.
- All the inventors including students are given full rights to their inventions.
- Institute takes care of IP filing and maintenance cost of Indian patent applications for all inventors.
- Inventor has right to decide the IP commercialisation terms and conditions.

Prof. Manu Santhanam  
Dean  
Industrial Consultancy & Sponsored Research (IC & SR),  
Indian Institute of Technology Madras, Chennai- 600036  
deanicsr@iitm.ac.in



## UPL Ltd

### Best Patent and Trademark Portfolio

Category- Large Enterprise - Life Sciences including  
Pharma and Agriculture sciences

### About the Company

UPL Ltd. (NSE: UPL & BSE: 512070) is a global provider of sustainable agriculture products & solutions, with annual revenue exceeding \$6 billion. Through OpenAg, with a presence in more than 130 countries and more than 13,600 registrations, 1700 granted patents, 3500 pending patent applications and 13,000 colleagues globally, UPL Ltd reaches more than 90% of the world's food basket.

### About the Product

#### Pronutiva®

ProNutiva® is an exclusive program that integrates natural biosolutions (bioprotection, biostimulants and bionutrition) with conventional crop protection products to meet or exceed the real-world needs of today's growers.



#### Triskele®

**Triskele is One-shot solution for weed management in sugarcane**

### Intellectual Property (IP) Portfolio

UPL Ltd has an incredible team of scientists that has helped the to secure patents across herbicides, insecticides, fungicides and also BioSolutions. They have over 1,700 granted patents and more than 3,000 awaiting approval and these span various invention types - method of use, formulations, process, combination and composition. More than one third of their revenues from last year was covered by one or more of these patents, reflecting their importance in driving business growth.



UPL House, 610 B/2, Bandra Village, Off Western Express Highway,  
Bandra (East), Mumbai 400 051 India

Toll Free number: 1800 102 1199 Email ID: [global.enquires@upl-ltd.com](mailto:global.enquires@upl-ltd.com)



## Tata Motors Ltd

### Best Patent Portfolio

Category: Large Enterprise - Manufacturing

#### About the Company

Part of the USD 128 billion Tata group, Tata Motors Limited (NYSE: TTM; BSE: 500570 and 570001; NSE: TATAMOTORS and TATAMTRDVR), a USD 37 billion organization, is a leading global automobile manufacturer of cars, utility vehicles, pick-ups, trucks and buses, offering extensive range of integrated, smart and e-mobility solutions. With 'Connecting Aspirations' at the core of its brand promise, Tata Motors is India's market leader in commercial vehicles and amongst the top three in the passenger vehicles market.

Tata Motors strives to bring new products that fire the imagination of GenNext customers, fueled by state of the art design and R&D centers located in India, UK, US, Italy and South Korea. With a focus on engineering and tech enabled automotive solutions catering to the future of mobility, the company's innovation efforts are focused to develop pioneering technologies that are sustainable as well as suited to evolving aspirations of the market and the customers. The company is pioneering India's Electric Vehicle (EV) transition and driving the shift towards sustainable mobility solutions by preparing a tailor-made product strategy, leveraging the synergy between the Group companies and playing an active role liaoning with the Government in developing the policy framework.

With operations in India, the UK, South Korea, Thailand, South Africa and Indonesia, Tata Motors' vehicles are marketed in Africa, Middle East, South & South East Asia, Australia, South America, Russia and other CIS countries. As of March 31, 2022, Tata Motors' operations include 86 consolidated subsidiaries, two joint operations, four joint ventures and 10 equity-accounted associates, including their subsidiaries, in respect of which the company exercises significant influence.



## About the Product

### Future of Mobility

As the fastest growing economy in the world, India is at the center of a massive mobility transformation. Disruption is the new norm - whether in the form of **Autonomous/ Safe, Connected, Electric and Shared** spaces or in the form of sheer number of new products, new players entering the Indian market. It's a dream place for the start-ups and the technology giants who are getting pegged against the conventional OEMs giving rise to new business models. The Indian consumer is spoilt for choices and is highly demanding. While India has its own challenges of sustainability and growth due to rising concerns around pollution, road safety and infrastructure bottlenecks, it also presents multiple opportunities. The success lies in driving a comprehensive approach to mobility – **Inclusive, Sustainable and Transformational**. We, at Tata Motors, are fully committed to lead the mobility in India by **Connecting Aspirations** of all our stakeholders.

#### AUTONOMOUS/ SAFE

TATA INDIAN CITY-2 STAR RACE EDITION

#### CONNECTED

CLOUD SOLUTION

#### ELECTRIC

2020 INDIAN STAR RACE EDITION

2020 INDIAN STAR RACE EDITION

#### SHARED

FLEET MANAGEMENT - TIRUPATI

ITS CONNECTED MOTO

Tata Motors Ltd, 4th Floor, Ahura Centre,  
82 Mahakali Caves Road, MIDC, Andheri East. Mumbai – 400093.  
Contact: 022 - 62407101



## Forbes Marshall Pvt. Ltd.

Best Trademark Portfolio

Category: Large Enterprise -Manufacturing

### About the Company

Forbes Marshall has over seven decades of experience in building steam engineering and control instrumentation solutions and is well established as a trusted brand based on its product quality and innovative solutions. Besides being named in several market reports as a leading manufacturer globally and ranked as “Best Workplaces” in India as well as Asia, Forbes Marshall has also won several awards for its product design and energy efficiency. The brand “FORBES MARSHALL” has also been recognized as a well-known trademark in India. The Company is also recognized for its many CSR initiatives.



### About the Product

Forbes Marshall specializes in boilers, steam systems, steam and water analysis systems, industrial valves, control instrumentation, emission monitoring and vibration monitoring systems. The company has introduced several innovative products such as - TOFT (a compact twin orifice steam trap designed to handle high and varying condensate discharge capacity), Compact thermodynamic steam trap modules, everSENSE (an app based remote



utility monitoring system providing real time plant data leading to improved plant safety, productivity and efficiency), effiMAX (a unique boiler efficiency monitoring system using integrated electronics), Wireless steam trap monitoring system, Vibassist (a state of the art vibration analysis and diagnostic system capable of analyzing high speed data from any rotating machine having easily deployable architecture), to name a few.

#### Featured IP driven products:

FLASHJET Pump (FJP) - a uniquely designed integrated solution of a pressure powered condensate pump operated by steam and a flash vessel. It is an innovative and award-winning solution that enables closed loop, total recovery of flash steam and condensate thereby ensuring energy balance.



FLASHJET Pump (FJP)

Floating furnace boiler – an innovative product that offers efficient steam generation with rapid response to fluctuating process loads while keeping the emissions at the lowest possible levels.



Floating furnace boiler

#### • Intellectual Property (IP) Portfolio

With its dedicated in-house R&D Department, the IP Portfolio of Forbes Marshall has been expanding consistently.

- 105 patents filed in India and internationally
- Over 200 trademark applications in India and internationally in various goods classes
- Around 75 designs applications

#### • Intellectual Property (IP) Policy:

Innovation is at the heart of all new product development at Forbes Marshall. The company's IP policy and processes focus on protecting and managing company's valuable IP assets (such as brands, patents, designs softwares and confidential information). The company has well-defined rewards and recognition program for the inventors and designers. Forbes Marshall Group lays special thrust on IPR awareness for its members across various departments in India and internationally.

#### • R&D structure

Forbes Marshall R&D Centres work out of four locations namely, Pune, Chennai, Hyderabad and Bakewell (UK). The R&D department is also recognized by DSIR. The company's quantum and incremental innovation efforts have led to continuous improvement in quality and creating products that are future-ready.

There is an in-house Industrial Design team at R&D, which focuses on aesthetics, design thinking, end-user experience and product manufacturability. The R&D department also houses an IP Cell for various IPR-innovation interfaces.

The Company has also been acclaimed for its enhanced industry-academia collaboration with institutes in India and overseas.

Forbes Marshall Group also has a specialized steam and condensate test rig for in housing testing of steam engineering products and has a flow calibration facility accredited by the National Accreditation Board for Testing and Calibration Laboratories, India.



- **Best practices**

#### **R&D and Customer Connect**

With a firm belief that robust and reliable products emerge from good customer insights, all R&D engineers are encouraged to have extended immersive sessions at customer factories to gain first-hand experience of the issues faced by customers. This is coupled with design thinking practices to unearth key issues and challenges for developing new products.

#### **Dare to Try Initiative**

Under this initiative, R&D teams undertake challenging problems beyond their regular project work. It is an opportunity for the teams to address engineering problems of their areas of interest beyond their immediate project deliverables.

Address: Forbes Marshall Pvt. Ltd., 29,  
Old Mumbai - Pune Hwy, Bhimjyot Nagar, Kasarwadi,  
Pimpri-Chinchwad, Maharashtra 411034



# Mahindra

Rise.

**Mahindra & Mahindra Ltd**

Best Design Portfolio

Category- Large Enterprise -Manufacturing

### About the Company

Founded in 1945, the Mahindra Group is one of the largest and most admired multinational federation of companies with 260,000 employees in over 100 countries. It enjoys a leadership position in farm equipment, utility vehicles, information technology and financial services in India and is the world's largest tractor company by volume. It has a strong presence in renewable energy, agriculture, logistics, hospitality and real estate.

The Mahindra Group has a clear focus on leading ESG globally, enabling rural prosperity and enhancing urban living, with a goal to drive positive change in the lives of communities and stakeholders to enable them to Rise.

### About the Products

The MAHINDRA YUVO TECH+ tractors have technologically advanced features that can help to increase productivity of the farmer. One of the most impressive features is its three-Cylinder M-Zip Engine, offering best-in-class mileage and Power Take-Off (PTO) HP, Parallel Cooling, and high max torque. This tractor also provides comfort seating, multiple gear options, smooth constant mesh transmission, high precision hydraulics, and a six-year warranty.



Moreover, to make the job easier, it can operate many farming implements include Cultivator, Rotavator, Thresher, Sprayer, Harrow, Potato Planter etc. Thus, the tractor can transform your agricultural business by enhancing both productivity and profit.

In the year 2002, Mahindra launched Scorpio, it was Mahindra's first vehicle for the global markets. Fast forward to 2022 and the all-new Scorpio-N is in for an even bigger shout when it comes to mass appeal.

ScorpioN sets a new record such as it clocks over 25000 bookings within a minute and over 100000 bookings in under 30 minutes. It is a tough ladder-frame SUV which is easy to drive in the city and at the same time, can take on bad roads with ease.

### **Intellectual Property (IP) Portfolio**

At M&M, IP policy is built on 3 pillars – Being vigilant and IP aware; Create, Protect and Enforce our IP; Respecting others' IP. Policies are based on the following principles of ethics, transparency, and accountability:

-To recognize and respect the rights of the people who may be owners of traditional knowledge, and other forms of intellectual property.

-To respect the interests of, and be responsive towards its stakeholders, especially those who are disadvantaged, vulnerable and marginalized.

### **Team Strength**

As of now 20+ people are working as part of Knowledge Management & Intellectual Property functions.

### **Best Practices**

Innovation, IPR protection and risk mitigation linked to NPD process

IP Cell contribution across product life cycle

Improving Innovation through Knowledge Management Index

Registered Address: Gateway Building, Apollo Bunder,  
Mumbai – 400001, India



8<sup>th</sup> INDUSTRIAL INTELLECTUAL PROPERTY

AWARDS 2022

Profiles of Winners



# *Special Appreciation Awards*



8<sup>th</sup> INDUSTRIAL INTELLECTUAL PROPERTY

AWARDS 2022

Profiles of Winners



## TriSpace Technologies (OPC) Pvt Ltd Special Appreciation Awards

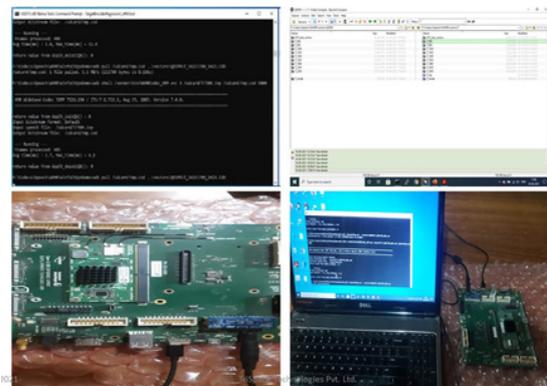
### About the Company

TriSpace Technology provides patented power optimization solution on platform SoC targeting Mobile, IoT, Drones to extend battery life of device usage and reduce heating issues.

Scale up the activities to design platform SoC for power performance and build low cost 5G mobile handset.

### About the Product

Firmware libraries which can be integrated as PnP module in the mobile phone software releases. End users only need to update their mobile software to reap the benefits. Applicable to past, present and future devices. Independent of manufacturing technology. The patented technology can be scaled to design platform SoC using indigenous CPU cores and make low cost 5G mobile handsets.



### Intellectual Property (IP) Portfolio

7 Granted Patents (4 Indian Patents, 3 US Patents)

5 more patent application filed (3 CHINA, 1 US Patent, 1 Indian)

107, Harshitha Meridien, 90, Rose Garden Road,  
JP Nagar 5th Phase, Bengaluru 560078 Karnataka



# CELAGENEX™

**Celagenex Research (India) Pvt Ltd.**

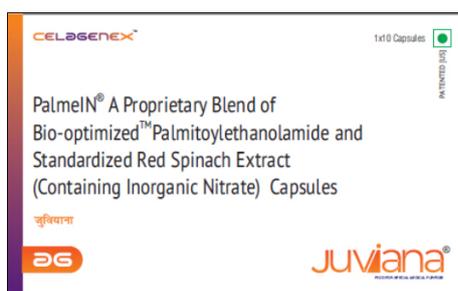
Special Appreciation Awards

## About the Company

Celagenex Research (India) Pvt Ltd, a start-up company founded by serial entrepreneur Dr. Rajaram Samant in 2019. The Company has developed cutting edge technology platform that combines clinically proven novel biological metabolites and nutrients to regulate disordered cellular biology in chronic lifestyle diseases. The company has protected the innovation and commercial application of this technology platform through an extensive Intellectual Property (IP).

The Company has conducted multiple preclinical and clinical studies on nutrients/compounds/biomolecules that have validated its innovation and demonstrated value of its intellectual property. The Company has developed exclusive partnerships with select CMOs to develop API & nutrients.

## About the Product

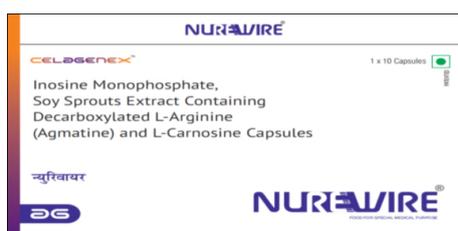


### Product description: Juviana

Trademark : Registered – 4302686

Patent : IN401186 ; US10653737B2; NG007911; IR 107240

Juviana: Patented product for treatment of diabetic neuropathy



### Product description: Nurewire

Trade Mark : Registered – 4525594

Patent: IN398902; US11311565B2

Nurewire: Patented product for treatment of CNS and Optical nerve injury (Axonal regeneration)

### **Intellectual Property (IP) Portfolio –**

Till date, Celagenex has applied around 65 patent applications; out of which 06 patents are granted in India and 09 granted in USA. With regards to the trademarks, total 53 trademarks have been filed in India out of which 40 are registered in India and one TM in USA.

### **Team Strength**

The company plans to open 4 strategic business units focusing on followings

- Neurosciences Business (India)- team of 150-160- Already operational
- Cardio-metabolic Business (India)- team of 180-220
- Hepatology Business (India)- team of 70-80
- Exports, Out-Licensing & Business development (for US, EU & ROW) team of 8-10.

### **Best practices**

Young, dynamic, enthusiastic marketing team

Good business network

Innovative Product Portfolio

Celagenex Research (India) Pvt. Ltd., of 801,  
Emerald-B, Dosti Planet North, Old Mumbai Pune Road, Shill,  
Thane -400612, Maharashtra, India



## Blaer Motors Private Limited Special Appreciation Awards

### About the Company

Blaer motors Pvt Ltd. is a Chennai based start-up founded in 2014, created over years of passion, perseverance & commitment towards transforming the mobility space – Intelligent, efficient & sustainable. Years of accumulated engineering expertise and technical acumen has enabled Blaer motors Pvt Ltd to innovate XeV drivetrains solutions (both electric and hybrid drivetrain solutions) for 2W & 3W. They have 6+ patents related to the architecture of the drivetrains and control systems which are simplistic and cost efficient. They support OEMs in Integration of their XeV drivetrain solutions. They also develop, manufacture and supply Motor Controller Unit (up to 10kW), Vehicle Control units for 2W/3W (both Hybrid Vehicle Control Units & Electric Vehicle Control Unit).

### Intellectual Property (IP) Portfolio

#### Property (IP) Policy

- Blaer motors Pvt Ltd respects the intellectual property (IP) and conduct their business in compliance with the IP-related laws as applicable and agreements with other companies.
- Actively protect their own IP. They maintain an effective system of IP asset management, including maintaining an inventory and records of IP-related assets and agreements. Blaer motors Pvt Ltd INTELLECTUAL PROPERTY RIGHTS & OWNERSHIP POLICY does not infringe a third party's intellectual property in their products, services, or components, or disclose or use a third party's intellectual property without the express or explicit consent of the owner or as permitted by law. They do not purchase or use counterfeit or other infringing goods and services in running their business, including counterfeit trademark goods or infringing copyright material (such as software, publications, video, audio, or other content). They document and maintain written records of all substantial transactions and uses that involve the exercise of IP rights. (This includes, for example, licenses or assignments of rights; manufacture, reproduction or distribution of patented,





trademarked or copyrighted items; and disclosure.)  
Blaer motors Pvt Ltd develops and implements a management system to help ensure that all personnel follow their IP policies. This management system shall encompass all IP-related policies, procedures and adequate and accurate records necessary to implement, measure, and improve their IP protection and compliance program.



### R&D Structure

- **CTO**
  - o Department Head (Drivetrain Systems)
    - Drivetrain Simulation Engineers
    - Design Engineers
    - Integration & Testing Engineers
  - o Department Head (Control Systems)
    - System Architects (HW & FW)
    - Hardware Design Engineers
    - Firmware Engineers
    - Testing Engineers

Team Strength: 15 Members

### Best practices:

- o Regular Review
- o Data Driven Decisions
- o Centralise Management
- o Mitigate Risk
- o Explore Limitlessly
- o Due Diligence

Blaer Motors Private Limited, No;8, Bharat Nagar,  
Zamin Pallavaram, Chennai – 600 043



## Amudhavel Motor Works Pvt Ltd Special Appreciation Awards

### About the Company

Amudhavel Motor Works Pvt Ltd (Business name Bewingz) is an Indian electric vehicle company, headquartered in Bangalore. founded by Jayakumar who is the brainchild of an evangelist - It is an out of the ordinary electric motorcycle with a futuristic approach towards production of electric motorcycles in India, Bolder is the world's first electric motorcycle with a full metal body. Everything is rebuilt and reinvented from the ground up, wherein, the final product is currently being prepared for pre-order. It is fascinated by futuristic vehicles for passionate bike riders. It was founded in December 2017, bootstrapped in 2018, the first prototype was tested in 2019 in Bangalore Nice Road and raised an undisclosed amount of seed funding in 2021 for further design and development. Currently, Company is about to raise another 100 million to speed up the process to make it ready for the Indian and Global Market and having a vision of reaching 1 million vehicles on the road and establishing it as a global brand.

### About the Product



“Bewingz Bolder is the first all metal and all electric motorcycle”. It caters to people who are enthusiastic about bikes and bike rides. It's something way beyond a motorcycle. It's about freedom, joy, emotions, passion, feelings, experience, and of course, saving

gasoline energy. Bolder is a midscale brand that makes a statement with a performance-oriented electric motorcycle.

#### 4 Design Registration completed.

##### Product description

It is powered by a 7.5 kW Brushless DC electric motor, and a 6 kWh lithium-ion battery pack. The Motorcycle can accelerate 0–60 km/h in 4.9 seconds.

Range: 150 Km

Top Speed: 100 plus

Three-layer protection for battery pack

##### Intellectual Property (IP) Portfolio

- **Intellectual Property (IP) Policy** - Amudhavel Motor Works Pvt Ltd Continuously works on reinventing and re innovating the futuristic life to get close by.
- **R&D structure** – Challenge taken from the start to bring the design to life. After spending countless hours brainstorming and redesigning every mm of the motorcycle working with experts, they have created the most unique motorcycle on the market after spending 10,000 hours on redesigning and rebuilding motorcycles. These long hours have provided us with the necessary expertise to get the masterpiece of electric motorcycle designs by using cutting-edge technology.
- **Team Strength-** Amudhavel Motor Works Pvt Ltd has a team of seasoned professionals who are also passionate about biking and want to bring needed innovation and revolutionized motorcycle design to the industry. They develop systems and products that reflect a progressive ideology. They synthesize design and technology to create new dimensions in advanced engineering and seamless user experiences.

##### Best practices

Vulnerable, Committed, Seek Clarity, Create Cultural Cohesiveness, Focus Team Effort, Hold Regular Meetings.

746, 3rd Main Road, 13 A Cross,  
Chandra Layout, Bangalore - 560072



# Optimus

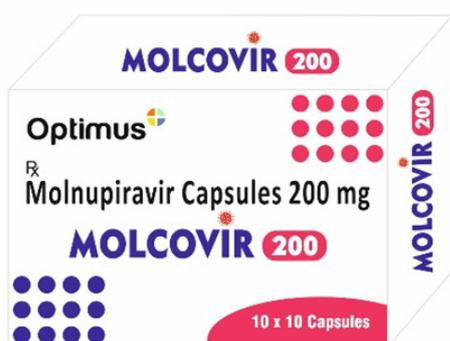
**Optimus Drugs Pvt Ltd**  
Special Appreciation Awards

## About the Company

Optimus Drugs Pvt. Ltd. is promoted by Dr. D. Srinivasa Reddy, Optimus is an integrated Active Pharmaceutical Ingredients (APIs) and its intermediates. Optimus established in year 2004 as custom synthesis laboratory by a team of Technocrats, it is one of the fastest growing manufacturer in Active Pharmaceutical Ingredients (APIs).

Optimus stands for its quality, reliability and is a preferred and trusted partner for many reputed Indian and overseas pharma companies. The company's products cater to wide range of therapeutic segments of Anti-Fungal, Anti-Virals, Anti-bacterial, Anti-Diabetic, Cardiovascular, CNS and others. Optimus team of scientists who had a passion towards chemistry and to ensure a better healthcare to everyone.

## About the Product



Molnupiravir IN 387205 patent, describes an improved and commercially viable improved process for the preparation of Molnupiravir deprotection step by using hydrochloric acid. The present invention synthesis of Molnupiravir with high purity and good yield on cost effective, eco-friendly, commercially scale suitable for large scale industrial production by using hydrochloric acid. An invention is a new solution to a technical problem protected through intellectual property (IP) rights. IP plays an important role in facilitating the process of taking innovative technology to the market place. Molnupiravir

was first approved against Covi-19, this drug received approval for emergency use in UK, USA, Europe, India, and ext. Favipiravir IN 202041028704 patent application, describes an improved and commercially viable process for the preparation of Favipiravir by using novel ammonia salt of 6-fluoro-3-hydroxypyrazine-2-carbonitrile. The present invention synthesis of Favipiravir with high purity and good yield on cost effective, eco-friendly, commercially scale suitable for large scale industrial production by using novel ammonia salt of 6-fluoro-3-hydroxypyrazine-2-carbonitrile. An invention is a new solution to a technical problem protected through intellectual property (IP) rights. IP plays an important role in facilitating the process

of taking innovative technology to the market place. Favipiravir was first used against SARS-CoV-2, this drug received approval for emergency use in Italy, Japan, India, Russia, Ukraine, Uzbekistan, Moldova, Kazakhstan, Saudi Arabia, UAE, Turkey, Bangladesh and Egypt and ext.



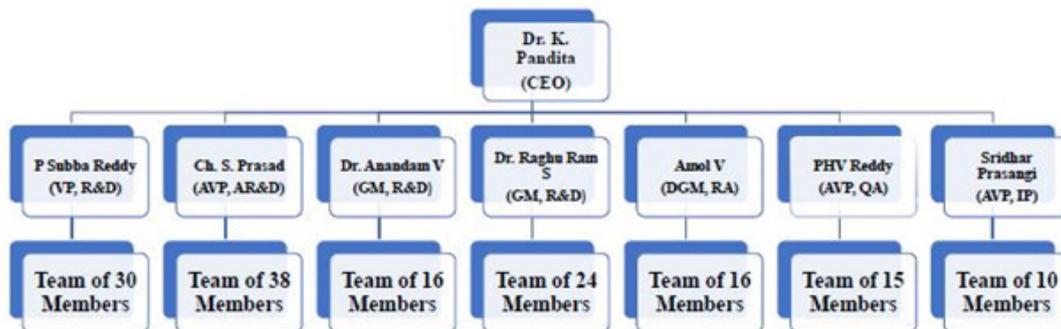
**Intellectual Property (IP) Portfolio**

Intellectual property (IP) rights important economic assets of Optimus. Optimus strong IP systems can incite funding into knowledge development and, thus, promote innovation. This is particularly relevant for the pharmaceutical industry, which depends on patent protection to support its investments into medical research.

**Intellectual Property (IP) Policy**

Optimus drugs private limited Promote culture of using patent information in R&D planning, extend technical and financial assistance to scientists for protecting their innovative work by filing a patent, create awareness means IPR/Patent workshops. Any product of human intellect which is unique, novel and unobvious and qualifies for protection (patents, copyrights, trade mark etc.) belongs to the Optimus Drug Private Limited.

**R&D structure –**



**Team Strength**

Optimus is incredibly vast and production, quality control, research and development, analytical chemist, distribution, research scientist, product specialist, pharmaceutical sales and process/product development scientist.

**Best practices**

Optimus pharmaceutical organizations actively look to reconfigure and realign strategy, structure, staffing and spend to drive success. Specifically, executives use their benchmarking services to uncover organizational gaps and industry, cross-industry benchmarks across branded and generic drug manufacturers, Strategy, structure, leadership/Cost, investment, business economics, Technology/innovation, future trends/Quality (cycle times, yields, purity, productivity...), best practice insights and process excellence and launch planning and lifecycle management.

Address: 2nd Floor, Sy No. 37/A & 37/P,  
 Plot No. 6P, Signature Towers, Kothaguda,  
 Kondapur, Hyderabad-500 084, Telangana India



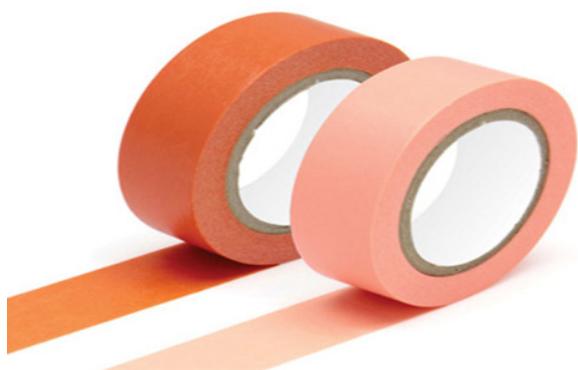
## Arrow Greentech Limited Special Appreciation Awards

### About the Company

Arrow Greentech Limited is a company that was established more than thirty years ago on the foundation of innovation to ensure a sustainable future through maximum environmental care. The first water soluble film (Watersol™) introduced by Arrow was in the mid-nineties. Their expertise enables them to provide solutions, applications and management systems in the health, hygiene, packaging, printing and security industries. This is reflected in most of their intellectual properties filed globally in respective fields.

Arrow Greentech Ltd. is listed in the National Stock Exchange (NSE) and the Bombay Stock Exchange (BSE) in India. It has its manufacturing units in India and in the United Kingdom via its subsidiary Arrow Green Technologies (UK) limited.

### About the Product



Watersol™ Film (WSF), also known as PVA film, is a versatile product that with variations can be used as packaging material that is safe for the environment and fully biodegradable, water soluble soap strips, called 'Arrow Magic Strips', as a mold release film for the unsaturated polyester epoxy resin or other thermosetting resin, in Water Transfer printing and so on.

### Intellectual Property (IP) Portfolio – Arrow Greentech Limited

Arrow Greentech Limited has a patent portfolio of more than forty (40) patents across the globe covering fields as diverse as Water Soluble Films to Security. They have filed more than twenty-five (25) patents in India and internationally which show great promise. AGTL also owns more than twenty-five (25) Trademarks and are in the process of obtaining a few more.

### Intellectual Property (IP) Policy –

A lot of the company business and products derive a great deal of their value from various patents held by the company or whose specific rights are acquired by the company. As such,

the company strict adherence to not only the letter and wording of the IPR policy but also its spirit.

The Company's IP Policy also envisages protection and management of its own IP well, internally and with its business partners. Arrow Greentech Limited respects the IP of others.

This IP Policy is applicable to all the employees, representatives and agents of the Company

### **R&D Structure**

The R&D division is headed by Mr. Neil Patel (JMD of the company) whereas the IPR team is headed by Mr. Shilpan Patel (CMD).

### **Team Strength**

More than 15 members are in the R&D Team and more than 5 for IPR.

### **Best Practices**

Arrow Greentech Limited follows the standard of "Good Manufacturing Practices" (GMP). GMP essentially means that the product quality is tested repeatedly throughout its manufacturing cycle commencing from the raw material purchase stage right up to the dispatch of final products. GMP followed by us also includes safety and quality check (scheduled and surprise) of the loading & storage areas, machinery and personnel.

Arrow Greentech Ltd., 1/F Laxmi Industrial Estate,  
New Link Road, Andheri (West), Mumbai 400 053.

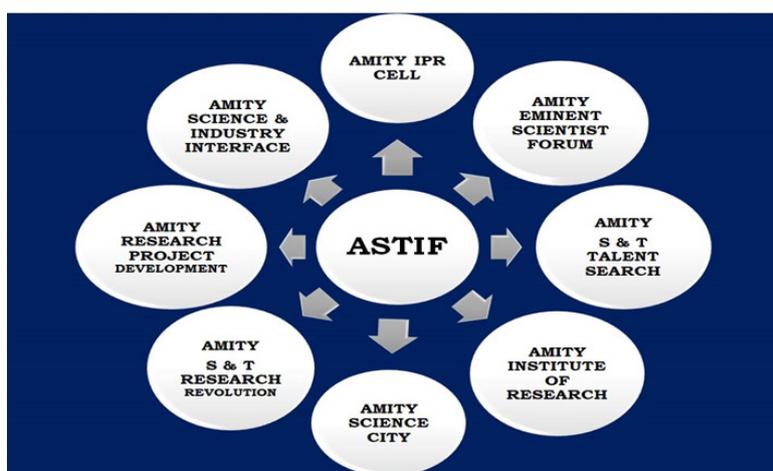


**Amity University**  
 Special Appreciation Awards

**About the University**

The Amity University has been established by an act of State Legislature and recognized by University Grants Commission (UGC) through the Act of State Legislature. Amity University greatly value the vision of our Hon'ble Prime Minister to realise the mandate of Aatmanirbhar Bharat/ building of self-reliant India based on "technology-driven innovation ecosystem. Amity University have been reshaping the educational benchmark in alignment with the NEP, and have a vision of global outreach with a mandate of Collaborate, connect, and create, to augment pathbreaking scientific solutions for the societal needs keeping sustainability and inclusivity as the core philosophy.

Amity Science, Technology & Innovation Foundation (ASTIF) is the umbrella body of the Amity Education Group for promoting and facilitating Research and Innovation in Science, Technology and Innovation in all Amity Universities.



University has also made concerted efforts to strengthen Research & Innovation activities as evidenced by the Amity Innovation Incubator supported by DST, DST- Technology Enabling Center (TEC), NRDC- Amity Innovation Facilitation Centre, Amity Center for Entrepreneurship Development.

Our Hon'ble Founder President Dr Ashok K. Chauhan has envisioned to develop Amity University as Research &

Innovation driven University with a vision to augment pathbreaking scientific solutions for the societal needs keeping sustainability and inclusivity as the core philosophy, striving to contribute in a mission mode to realise our Nation's vision to be amongst the Top 25 ranking of the Global Innovation Index.

## Intellectual Property (IP) Portfolio –

Amity believes that patents play an important role in stimulation of Research & Innovation rendering a progressive IP ecosystem and leveraging the same for the societal benefit. It therefore provides ample encouragement and extends structural & functional enablement to its researchers for augmentation of patents which has resulted in Amity University filing 1800 Patent Applications and out of which more than 173 Patents have been granted recently.

- More than 114 copyrights have been registered in last years

Commercialization: A number of Technologies have been transformed for societal benefits, some of them includes

- Rootonics – M/ s. Sinon (Taiwan based company); M/s SOM Phytopharma, M/s Sri Bio Aesthetics & M/s Sai Bio Organic
- Self-sustained system to generate electricity & clean industrial wastewater simultaneously without any external source - Deccan Water Treatment Pvt. Ltd.
- Biodegradable Plastic - MNC GXT Green Inc., Boston
- Herbal Colors - M/s Shubh Laxmi Industries
- Herbal Hand Sanitizer – M/s NACL Industries Limited
- Himachali Pickle, Rajasthani Pickle, Spice Tablet, All-purpose sauce – M/s Praveen Masalewale
- The System and Method of Endophytic activity of Talaromyces purpureogenus HNB9- M/s Vedic Vigyan Creations LLP
- Rechargeable Fly Ash Battery - M/s. Welspun Energy Pvt. Ltd.
- Polyaniline coated activated carbon composite system for dye & heavy metal removal for wastewater – M/s S.S Engineering Corp.
- Iodine Based Fingerprint powder for developing Latent Fingerprint - M/s. Pyramid Cyber -Security and Forensic Pvt. Ltd.



## Intellectual Property (IP) Policy:

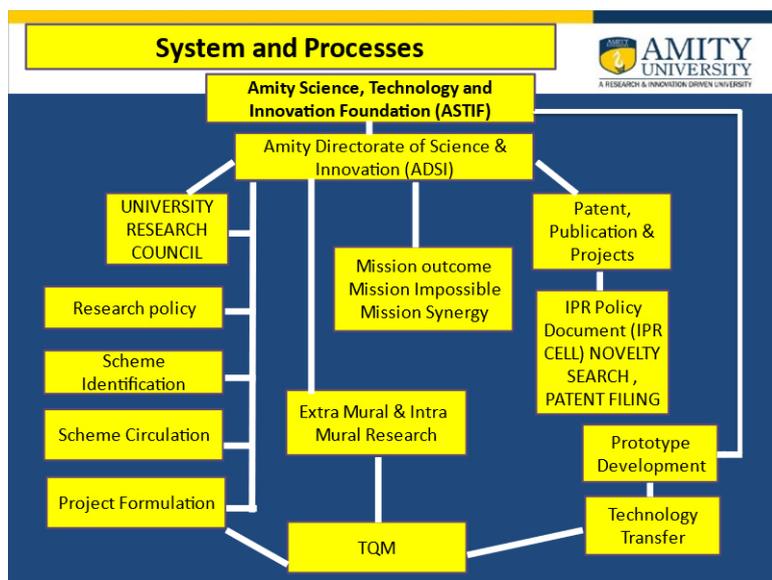
India emerges as a Knowledge Superpower in which Amity is making immense contribution by generating new knowledge, securing the knowledge in the form of IPR and translating them into application to the society through industry and commercialization.

Excellence in education, research and innovation, along with exchange and dissemination of knowledge are guiding principles of AMITY. These activities may lead to generation of new IP, which needs to be protected, developed, transferred and commercialized for the benefit of the society, a well-defined robust Amity IPR Policy guides and inspires towards creation of a progressive inclusive sustainable IPR ecosystem in the University.

**Team Strength:** 80+

### Best Practices :

Amity University greatly value the vision of our Hon'ble Prime Minister to realise the mandate of Aatmanirbhar Bharat/ building of self-reliant India based on "technology-driven innovation



ecosystem. Amity University have been reshaping the educational benchmark in alignment with the NEP, and have a vision of global outreach with a mandate of Collaborate, connect, and create, to augment pathbreaking scientific solutions for the societal needs keeping sustainability and inclusivity as the core philosophy.

Excellence in education, research and innovation, along with exchange and dissemination of knowledge are guiding principles of AMITY. These activities may lead to

generation of new IP, which needs to be protected, developed, transferred and commercialized for the benefit of the society.

In this Knowledge Era, Amity University has emerged as a Research & Innovation Driven University. Amity, being a very young University has already undertaken over 145 Research Projects funded by leading government and non-government organization and international funding agencies such as MoEF, DST, CSIR, DBT, ICMR, ICAR, DRDO, Bill & Melinda Gates Foundation, Leverhulme Trust of UK, USAID. State of the Art research infrastructures have been created, both through Government funded and S&T department as well as through Amity resources which included instruments such as FACS Accuri and FACS sorter, Confocal Microscope, Scanning Electron Microscope, FT-IR, HPLC

Amity University has a robust IPR policy that guides and supports the sustainable inclusive innovation ecosystem in their University. The Scientists and researchers of Amity University pursue research activities tirelessly, and publish their work in reputed, peer-reviewed refereed journals with high impact factor.

Amity University,  
 Sector 125, Noida,  
 Uttar Pradesh 201301, India



## Jubilant Pharmova Limited Special Appreciation Awards

### About the Company

Jubilant Pharmova Limited (formerly Jubilant Life Sciences Limited) is engaged in Radiopharma, Allergy Immunotherapy, CDMO of Sterile Injectable, Generics, Contract Research Development and Manufacturing (CRDMO) and Proprietary Novel Drugs businesses.

With a network of 48 radio-pharmacies in the USA, Jubilant's Radiopharma business is engaged in manufacturing and supply of Radiopharmaceutical products and services. Its other businesses such as Allergy Immunotherapy, Contract Manufacturing of Sterile Injectables and Non-sterile products and Generics (Solid Dosage Formulations) caters to major regulated markets (USA, EU and other geographies) through five manufacturing facilities. The CRDMO segment (through Jubilant Biosys Limited) provides collaborative research and partnership for Drug Discovery through two world-class research centers in India. The Company is also involved in the manufacturing of Active Pharmaceutical Ingredients (APIs) through a US-FDA approved facility in Nanjangud, Karnataka. Jubilant Therapeutics (JTI) invested for in-house Proprietary Novel Drugs business and is an innovative biopharmaceutical company developing breakthrough therapies in the area of oncology and auto-immune disorders.

The Company has a team of over 6,000 multicultural people and is well recognized as a 'Partner of Choice' by leading pharmaceuticals companies globally. For more information, please visit: [www.jubilantpharmova.com](http://www.jubilantpharmova.com)

### Intellectual Property (IP) Portfolio



Jubilant believes in innovation driven product development for unmet patient needs by complying with highest quality standards. Jubilant Pharmova operates with the objective of sustainable growth through optimum utilization of resources, creativity and innovation. Jubilant believes in respecting, nurturing and protecting intellectual property to secure competitive edge and economic growth. The protect their inventions by filing patent applications in countries of business interest India, USA, Europe, Canada, Australia, Canada and other countries. Jubilant has filed 1161 worldwide cumulative patent applications and secured 433 granted patents worldwide covering various aspects of Radiopharmaceuticals, Allergy, API, Formulation products and technologies. Jubilant has highly experienced and multi-talented in-house IP team, which facilitate in business objectives through ideation, designing of IP strategy, identification and protection of Intellectual property. Jubilant has excellent track record on ensuring IP compliance on commercialised technologies and products across all Jurisdictions.

1A, Sector 16A, Noida – 201301 Uttar Pradesh, India  
Tel.: +91 120 4361000 Email: [support@jubl.com](mailto:support@jubl.com)



## Biocon Biologics Limited Special Appreciation Awards

### About the Company

Biocon Biologics is a subsidiary of Biocon Limited and vertically integrated, innovation-led company with established capabilities in the development, manufacturing and commercialization of affordable, high-quality biologics. It is driven by the business purpose of providing equitable access to healthcare through affordable biologics. Biocon Biologics has a proven track record of scientific credibility, large scale manufacturing capabilities and a strong supply & distribution network in compliance with the highest standards of quality and governance. It has a unique biosimilars portfolio comprising basal and rapid acting insulins, as well as antibodies for cancer and inflammatory diseases and demonstrated success with multiple successful biosimilar approvals in U.S., Europe and several other developed and developing countries.

### About the Product

#### ALZUMAb-L®



Product Itolizumab (anti-CD6 monoclonal antibody) is sold under the brand ALZUMAb®. It was launched in India to treat chronic plaque psoriasis in 2013. In 2020, Itolizumab was repurposed for the prevention and treatment of COVID-19 complications. Biocon was granted Restricted Emergency Use approval for Itolizumab in July 2020 for the treatment of Cytokine Release Syndrome (CRS) in moderate to Severe Acute Respiratory Distress Syndrome (ARDS) patients in India.

Itolizumab, repurposed for COVID-19 (sold under brand ALZUMAb-L®), has benefited over 27,000 patients suffering from acute lung inflammation. Following this, Biocon stepped up its efforts to provide Itolizumab to COVID-19 patients in India. Additional data is being collected as part of Phase 4 (post-marketing study) and Real-World Evidence (RWE) from COVID-19 patients. Itolizumab's unique mechanism of immunomodulation involves binding to the CD6 receptor and blocking T lymphocytes activation. This, in turn, suppresses pro-inflammatory cytokines, thus reducing inflammation.

#### Basalog®

It is biosimilar of Insulin Glargine. Insulin Glargine is a long-acting insulin used to treat adults

with Type 2 diabetes and adults and paediatric patients with Type 1 diabetes for the control of high blood sugar. Biocon's Insulin Glargine has received regulatory approval in ~70 countries around the world and has also been commercialized in many emerging markets such as Brazil, Mexico, Malaysia, South Korea, UAE, as well as, developed markets like Japan, Australia and parts of Europe. Biocon has successfully invalidated Sanofi's 02 formulation and 05 device patents for Insulin Glargine in US. Biocon Biologics received the first-ever interchangeable biosimilar approved by the U.S. Food and Drug Administration (FDA) for its biosimilar Insulin Glargine.



### Intellectual Property (IP) Portfolio

**Intellectual Property (IP) Policy :** Biocon Biologics has stringent IP policy in place. It is available for all stakeholders internally. IP Policy includes different IPRs such as Patent, Trademark, Copyright, Trade secrets etc.

### R&D structure

Biocon Biologics' Research and Development organisation is fully integrated to develop high-quality biosimilars (recombinant insulins, monoclonal antibodies and other protein therapeutics) that can be registered in highly regulated markets like U.S., Europe, Canada, Australia and Japan. Biocon Biologics are developing high-quality and affordable biosimilars that can expand access to cutting-edge therapeutics for patients globally at their R&D sites in Bengaluru and Chennai (India). A highly motivated team of scientists drive the momentum towards achieving organizational objectives through sustained efforts on all fronts in order to manage and advance the Company's pipeline of biosimilars.

Biocon Biologics Research Centre at Bangalore has the following capabilities:

- molecular and cell biology laboratories
- advanced process sciences laboratories for the cell culture, downstream purification and formulation development
- The drug product development facilities
- Biologics characterisation facility
- Development and validation of bioanalytical assessment platforms
- sensitive analytical methods to quantitate pharmacodynamic and response biomarkers
- Data analytics capabilities

**Team Strength :** IPR team consists of 14 techno-legal professionals with PhD or Master's degree in Biotech/Pharma/Med Chem./Engg. and LL.B degrees. IP team has registered Indian patent agents and Indian trademark agent with highly experience in IPR for handling global filing, prosecution, and litigation matters.

### Best practices :

1. Strict adherence of IP policy in the Organization
2. Regular Update to RnD on IPR
3. Regular IPR and confidentiality awareness session for new joiners and cross-functional teams

Biocon House, Ground Floor,  
Tower - 3, Semicon Park, Electronic City Phase - II,  
Hosur Road, Bangalore-560100 Karnataka India



**Tata Steel Ltd**  
Special Appreciation Awards

### About the Company

Tata Steel group is among the top global steel companies with an annual crude steel capacity of 33 million tonnes per annum. It is one of the world's most geographically diversified steel producers, with operations and commercial presence across the world.

A Great Place to Work-Certified™ organisation, Tata Steel Ltd., together with its subsidiaries, associates, and joint ventures, is spread across five continents with an employee base of over 65,000. Tata Steel has been a part of the DJSI Emerging Markets Index since 2012 and has been consistently ranked amongst top 5 steel companies in the DJSI Corporate Sustainability Assessment since 2016. Besides being a member of ResponsibleSteel™ and worldsteel's Climate Action Programme, Tata Steel has won several awards and recognitions including the World Economic Forum's Global Lighthouse recognition for its Jamshedpur, Kalinganagar and IJmuiden Plants, and Prime Minister's Trophy for the best performing integrated steel plant for 2016-17. The Company, ranked as India's most valuable Metals & Mining brand by Brand Finance, featured amongst CII Top 25 innovative Indian Companies in 2020, received rating of 'A-' (leadership band) from CDP for its Climate Change disclosure and Supply Chain disclosure, Steel Sustainability Champion 2020 recognition from worldsteel, 'Most Ethical Company' award 2021 from Ethisphere Institute, Best Risk Management Framework & Systems Award (2020) from CNBC TV-18, and Award for Excellence in Financial Reporting FY20 from ICAI, among several others.

### About the Product



### Tata Wiron

A division of Tata Steel Ltd, Global Wires Business (GWB) is one of the largest steel wire manufacturers in the world with a combined annual manufacturing capacity of 670,000 MT. GWB employs over 2,000 people worldwide and has industrial facilities in India and Thailand - where the business commands the largest market share.

Tata Wiron is the preferred supplier of steel wires across diverse industry segments ranging from construction, automotive and power to general engineering and retail. All their products



adhere to global standards, while being tested and approved by international accreditation institutes and labs.

We have had the opportunity to supply wires for many iconic structures across the world, including Bandra Worli Sea Link (India), Suvarnabhumi Airport (Thailand), Changi Airport Terminal 3 (Singapore), Delhi Metro Rail (India), Dubai Ski Dome (UAE), Darwin

LNG Tanks (Australia), Melbourne Cricket Ground (Australia), Cross Sea Bridge (Japan), Cross Ring Expressway (Macau) and Shenzheng Bay Great Bridge (China).

The product range includes:

- Automotive segment
  - Tyre Reinforcement
  - Spring Steel Wire
  - Spoke wire
- Infrastructure Segment
  - Low relaxation PC
  - Pre stressed concrete wires
  - 3X3 PC
  - Binding
- Power Segment
  - Cable Armour
- Galvanized Wire
  - Fencing Segment
- Barbed Wire
- D-Fence Chain-link
  - Farming Segment
  - Poultry Segment

Tata Steel Limited, IP Cell, R&D Building,  
Near Burmamines Gate,  
Jamshedpur – 831017 Jharkhand



## Tata Chemicals Ltd Special Appreciation Awards

### About the Company

Tata Chemicals Limited is a leading supplier of choice to Nutrition, Glass, Detergent, industrial and chemical sectors. The company has a strong position in the crop protection business through its subsidiary company Rallis India Ltd. Tata Chemicals has world class R&D facilities in Pune and Bangalore.

### About the product:

Key products are salt, soda ash, sodium bicarbonate, highly dispersible silica (different grades for fuel-efficient green tyres, silicone rubbers, battery separators, technical rubber goods, food and oral care segments), prebiotic products – fructooligosaccharides (Fossence) and galactooligosaccharides (Gossence), recycled cobalt sulfate (CoSO<sub>4</sub>), cement, caustic soda, halogen products (liquid bromine, chlorine).

### Products/Plant:





## Triveni Turbine Limited Special Appreciation Awards

### About the Company

For over five decades, Triveni has delivered robust, reliable and efficient steam turbine solutions. Triveni Turbine Ltd. is a leading industrial steam turbine manufacturer, with a dominant market share of over 60% in India. Over 5,000 steam turbines supplied by Triveni have been installed across 18 industries in over 75 countries, including Europe, Africa, Central & Latin America, SE Asian and SAARC countries. Turbines supplied and installed by Triveni, with more than 1 billion operating hours, now generate over 13 GW of power globally.

Triveni's steam turbines, manufactured at its world-class facilities located in Bangalore, India, find applications in a wide range of industries such as Sugar, Steel, Pulp & Paper, Textiles, Chemical, Palm Oil, Food Processing, etc. The turbines are used in multiple applications like Co-generation, Combined Heat & Power Generation, Waste to Energy, Captive Power Generation and Independent Power Generation.

### About the Product

**SUSTAINABLE STEAM TURBINE SOLUTIONS**



**Condensing Turbines**  
Inlet steam pressure: Up to 140 bar(a)  
Inlet steam temperature: Up to 545°C  
Power output: Up to 100MWe



**Back Pressure Turbines**  
Inlet steam pressure: Up to 140 bar(a)  
Inlet steam temperature: Up to 545°C  
Power output: Up to 100MWe

Triveni manufactures back-pressure and condensing steam turbines that work across a wide range of pressure and flow applications with a choice of Impulse and Reaction technology to meet growing customer demand on a global scale. TTL offers a wide suite of integrated solutions like installation & commissioning, spare parts, operations & maintenance and refurbishing, among others.

Triveni also offers a wide range of API compliant steam turbines up to 100MW range in back pressure and condensing modes suitable for applications in Oil & Gas, Petrochemical, Refinery and Fertilizer industries. Triveni's API compliant steam turbines are designed for installation in harsh weather conditions such as desert, coastal, tropical, and frigid locations. Triveni customizes its products for both Safe and Hazardous area installations

and are suitable for continuous essential and non-essential applications. Its modular concept of construction allows the highest degree of customization to match the most stringent project specifications.

### **Intellectual Property (IP) Policy**

Triveni Turbine Ltd. has instituted a robust IP policy framework for the protection of its long-term IP assets, with the aim to secure and preserve its technological advantage over its competitors. A dedicated team of IP specialists works closely with the R&D team, from the conceptualization stage to the manufacturing stage to capture and protect the generated IP. With its global focus and reach, the Triveni constantly undertakes patent and industrial design filings in various international jurisdictions, while enhancing its IP portfolio in India.

Triveni Turbine Limited, 12-A,  
Peenya Industrial Area,  
Bangalore, Karnataka - 560058



8<sup>th</sup> INDUSTRIAL INTELLECTUAL PROPERTY

AWARDS 2022

Profiles of Winners





## Confederation of Indian Industry

The Confederation of Indian Industry (CII) works to create and sustain an environment conducive to the development of India, partnering Industry, Government and civil society, through advisory and consultative processes.

CII is a non-government, not-for-profit, industry-led and industry-managed organization, with around 9000 members from the private as well as public sectors, including SMEs and MNCs, and an indirect membership of over 300,000 enterprises from 286 national and regional sectoral industry bodies.

For more than 125 years, CII has been engaged in shaping India's development journey and works proactively on transforming Indian Industry's engagement in national development. CII charts change by working closely with Government on policy issues, interfacing with thought leaders, and enhancing efficiency, competitiveness and business opportunities for industry through a range of specialized services and strategic global linkages. It also provides a platform for consensus-building and networking on key issues.

Extending its agenda beyond business, CII assists industry to identify and execute corporate citizenship programmes. Partnerships with civil society organizations carry forward corporate initiatives for integrated and inclusive development across diverse domains including affirmative action, livelihoods, diversity management, skill development, empowerment of women, and sustainable development, to name a few.

As India completes 75 years of Independence in 2022, it must position itself for global leadership with a long-term vision for India@100 in 2047. The role played by Indian industry will be central to the country's progress and success as a nation. CII, with the Theme for 2022-23 as Beyond India@75: Competitiveness, Growth, Sustainability, Internationalisation has prioritized 7 action points under these 4 sub-themes that will catalyze the journey of the country towards the vision of India@100.

With 62 offices, including 10 Centres of Excellence, in India, and 8 overseas offices in Australia, Egypt, Germany, Indonesia, Singapore, UAE, UK, and USA, as well as institutional partnerships with 350 counterpart organizations in 133 countries, CII serves as a reference point for Indian industry and the international business community.

### Confederation of Indian Industry

The Mantosh Sondhi Centre

23, Institutional Area, Lodi Road, New Delhi - 110 003 (India)

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CII Helpline Toll Free Number: 1800-103-1244