

Intellectual Property advocacy in the fields of:

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- Technology Transfer
- Innovation Research
- Patent Law
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- Data Management
- Copyright
- Collaborations
- Balance for Rights & Obligations

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## PATENT AGENT EXAM– Announced by Indian Patent Office

The much-awaited announcement about the next Patent Agent Examination has been announced by the CGPDTM on the IP India website ([www.ipindia.nic.in](http://www.ipindia.nic.in)) the Examination is scheduled to be held before December, 2018. Details are awaited.

### *Editorial...*

#### **INNOVATION – is the future**

There is no debate when it comes to role of innovation for future, across the entire spectrum, globally, locally, individually or collectively. We are stepping into the robotic age, the season of AI (Artificial Intelligence) while speeding on the innovation highway of disruptive breakthrough in communication, digitalization, and maze of delivery systems and automation. In all these developments, it is important to take note that the human endeavour and enterprise is the key to innovation. Like the old adage “Charity begins at home”, ‘innovation’ also has to begin at home, i.e. with each individual. To be truly and effectively contributing to ‘Innovation’, it is important for each and every individual to look inward and ‘discover’ oneself and the inherent strength of the self. A true self-innovation will automatically lead the individual to excel in the chosen field of the inner strength and potential skills. Once the self-skills are discovered, the pursuit of excellence is natural and assured to lead to breakthroughs. In a recent event which was supposed to be just another “Award Function”, I was exposed to the young talents of Rotaract Club of Borivali Heights at the “YUVA SRESHTA PURASKAR - 2018” on 31<sup>st</sup> May 2018. Amazing array of excellence in diverse fields of talents were presented and awarded on the occasion. While many awardees were children in the age of 5 to 15, there were also brilliant youth contributing to diverse skills such as sound designing, dedicated social work, global cycling, animal (protection and care) activities, mental maths, physical fitness (yoga and mallakhamba), professional photography, illustration & art and many others. Most amazing was the six year old Tabla player, a world record holder who started performing on tabla from the age of two. What was common with all these talented achievers was that they chose the field of their inborn talents, after identifying their call from within. Innovation truly comes from within, especially the field of talent and excellence.

More than the Awardees, the real appreciation and kudos goes to President Nikhita Sunil (and her colleagues), and compare for the evening Harsh Hari of Rotaract club who painstakingly mined out the amazing and outstanding “talents” for granting the awards.

The Awardees were AlfaazGurubhai Thakkar (Asia’s youngest professional photographer), Jivika Patil (Mallakhamb), MaitriManiar (Mental Maths), Pawan Sharma (Animal Activist, Founder- RAWW), Priyanka Paul (Art), Rahul Dandekar (Singer, Composer and Writer), Sachin Teke (developer of M-Indicator app), Sanal George (national award winner for sound designing), Siddhant Mohite (social work), Sonu Gupta (national cyclist), Swetha Warriar (dance), Truptraj Pandya (Gunnies world record holder for youngest tabla player).

The report in photographs follows this editorial



### Awardees of Yuva Shreshta Puraskar 2018

AlfaazGurubhai Thakkar (Asia's youngest professional photographer), Jivika Patil (Mallakhamb), MaitriManiar (Mental Maths), Pawan Sharma (Animal Activist, Founder- RAWW), Priyanka Paul (Art), Rahul Dandekar (Singer, Composer and Writer), Sachin Teke (developer of M-Indicator app), Sanal George (national award winner for sound designing), Siddhant Mohite (social work), Sonu Gupta (national cyclist), Swetha Warriar (dance), Truptraj Pandya (Gunnies world record holder for youngest tabla player)



## AABI INCUBATOR AWARD 2018 TO VENTURE CENTER (NCL, PUNE UNDER CSIR)

The Venture Center ([www.venturecenter.co.in](http://www.venturecenter.co.in)) which is India's largest science business incubator has received the AABI Incubator of the year-2018 Award. Along with the Venture Center, one of the outstanding incubatees, WelnnovateBiosolutions also won the AABI Torch (Innovator) Entrepreneur Award-2018 for solving problem of difficult-to-heal wounds by providing novel wound healing products and anti-microbial susceptibility diagnostics.

(Below)Ms. Soma Chattopadhyay receiving the award on behalf of Venture Center from Mr. Philip Kemp, Vice President of AABI, and Mr. Huang Chingyao, President of AABI.



## USFDA CLEARS CANCER DRUG BY BIOCON-MYLAN

*In a major milestone for domestic company Biocon, the US Food and Drug Administration (USFDA) has approved its biosimilar Pegfilgrastim for cancer, co-developed with Mylan. Pegfilgrastim (Fulphila) will represent a more affordable treatment for oncology patients, says Biocon CMD Kiran Mazumdar-Shaw in an interview.*

### USFDA clears cancer drug by Biocon-Mylan Will Make Fulphila In B'luru: Biocon CMD

**Rupali Mukherjee**  
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**I**n a major milestone for domestic company Biocon, the US Food and Drug Administration (USFDA) has approved its biosimilar Pegfilgrastim for cancer, co-developed with Mylan. Pegfilgrastim (Fulphila) will represent a more affordable treatment for oncology patients, says Biocon CMD Kiran Mazumdar-Shaw in an interview with TOI. Fulphila is expected to contribute to Biocon's revenue in FY19, as well as to its profits through a profit-share arrangement with Mylan. However, the pharma major's stock lost 7% to end at Rs 608 by close of Tuesday's session on the BSE. Excerpts:

**What is the timeline of launch of Pegfilgrastim in the US and other developed markets?**  
Our partner Mylan is preparing to launch Fulphila in the coming weeks, giving cancer patients in the US the first alternative and affordable treatment option to branded Pegfilgrastim. Regulatory reviews of our biosimilar Pegfilgrastim

dossier in the EU, Australia and Canada are progressing well. We cannot provide specific timelines for its launch.

**What kind of competition is expected in the US?**

There is a queue of a few players developing this product. However, Biocon-Mylan's Pegfilgrastim is the first biosimilar to be approved by the USFDA. As Fulphila is the first FDA-approved biosimilar Pegfilgrastim, we will have a first-mover advantage.

**The US market for Pegfilgrastim is over \$4 billion. What upside in terms of revenue & profit is expected on this year or going forward?**

Mylan has the exclusive commercialisation rights in the US for biosimilar Pegfilgrastim. The sales of Fulphila will add to Mylan's top line, while Biocon has a profit-share arrangement with them. Biocon will manufacture the product at its facilities in Bengaluru and supply to Mylan. These sales will contribute to our previously guided revenue target of \$200 million from the bio-

pharma business for FY19.

**How does the pipeline look for biosimilars in the US?**

We have been developing a high-value portfolio of biosimilar mAbs and insulins in partnership with Mylan for the US market. We have made significant progress with milestone approvals for our biosimilar versions of Trastuzumab and Pegfilgrastim in the US. Our biosimilar Pegfilgrastim is the second from Biocon-Mylan's joint portfolio to receive approval in the US. It is one of the 11 biosimilars being co-developed with Mylan for the global marketplace.

**What's the update on Trastuzumab for the US market?**

Ogivri is the first FDA-approved biosimilar to Herceptin and the first from Mylan & Biocon's joint portfolio approved in the US, in December 2017. Mylan anticipates potentially being the first company to offer a biosimilar to Herceptin, as a result of Mylan's ability to secure global licenses for its Trastuzumab product from Genentech and Roche last year. We would not be able to comment on any specific launch timelines.

## IIT-B CLIMBS TO 162 IN TOP WORLD VARSITY RANKINGS

The Indian Institute of Technology, Bombay (IIT-B), continued its stellar form by climbing 17 spots in the latest Quacquarelli Symonds (QS) world Rankings 2019, rising to 162 from last year's 179. The faculty-student ratio and citation per faculty are the two key parameters among many others that have contributed to the improved performance of the Institution.

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# IIT-B climbs to 162 in top world varsity rankings

### Climbs 17 spots in Quacquarelli Symonds World Rankings 2019 – up from 179th position last year

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The Indian Institute of Technology, Bombay (IIT-B), continued its stellar form by climbing 17 spots in the latest Quacquarelli Symonds (QS) World Rankings 2019, rising to 162 from last year's 179 in an announcement by QS on Wednesday.

IIT-B is now the top-ranked institute from India, with an overall score of 48.2 out of 100. It has a score of 52.5 in academic reputation, 72.9 in employer reputation, 54.1 in citation per faculty, 43.3 in faculty-student ratio, 4.4 in international faculty, and 1.8 in international students. All scores are out of a maximum of 100 points.

"Among the six [QS] parameters, employer reputation is the strongest one for IIT Bombay, with a rank of 93 globally," the institute said in a statement. "Since 2014, in the world university rankings by QS, IIT Bombay has moved up 71 places."

Last year, the Indian Institute of Technology, Delhi (IIT-D) was the top-ranked institute from India at 172. This year, too, IIT-D remains at 172, but the Indian Institute of Science in Bengaluru trounced it to make it to 170 – besting its 190 ranking last year. On

the other hand, the University of Mumbai continued its dismal performance, falling in the 801-1,000 bracket; same as last year.

"The faculty and students are striving to excel in education and research. The increase in rank is a reflection of continuous improvement in all spheres of our activity," said IIT-B Director Devang Khakhar.

Khakhar cited many factors as contributing to IIT-B's improved performance, especially the faculty-student ratio and citation per faculty – two key parameters considered during evaluation.

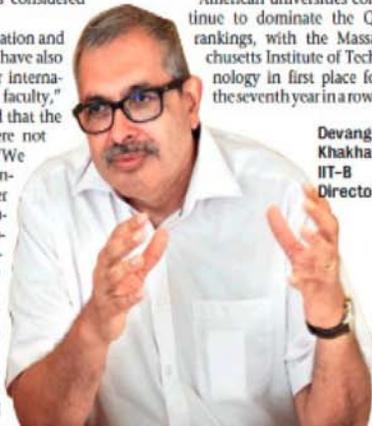
"Academic reputation and industry reputation have also gone up, except for international students and faculty," Khakhar said, added that the latter two areas were not cause for concern. "We are interested in increasing the number of international students, and that is going up; many institutes have 40 to 50 per cent international students, but that is never going to happen for us, and we don't need it either," he said.

When asked

what specific measures the institution had implemented to improve its ranking, Khakhar said: "We do not take any measures in the institute to improve the rankings per se. Our decisions are based on the institute's strategic plan and goals."

This year, nine universities have entered the top 500 bracket, and seven are IITs – IIT, Madras (264); IIT, Kanpur (283); IIT, Kharagpur (295); University of Delhi (487), among others. More than 20 Indian universities in all have made it to the top 1,000 this year.

American universities continue to dominate the QS rankings, with the Massachusetts Institute of Technology in first place for the seventh year in a row.



Devang Khakhar, IIT-B Director

### What are Quacquarelli Symonds World Rankings?

QS World University rankings are published every year, and are evaluated on six different metrics: academic reputation, employer reputation, faculty-student ratio, citations per faculty, international faculty ratio and the international student ratio.

### A break-up of IIT-B's 162 ranking

**Academic reputation 52.5/100** QS collates opinions of over 80,000 individuals in the higher education space regarding the teaching and research quality at universities. A robust focus on subjects such as Computer Science, Civil, Chemical, Electrical, Mechanical Engineering, Materials Sciences, among others, helped IIT-B perform strongly.

**Employer reputation 72.9/100** Over 40,000 responses are collected as part of the QS Employer Survey, which identifies institutes that provide the most competent, innovative, effective graduates. IIT consistently attracts premier companies and start-ups from across the world, such as Apple and Microsoft. It has a dynamic internship programme for its students, helping its score in this metric.

**Faculty/student ratio 43.3/100** This evaluates students' access to the institute's lecturers and tutors; a high figure of faculty members per student reduces the academic burden. IIT-B has more than 9,000 students, with nearly 870 faculty members, including 19 international faculty. This means there are just 10 students per faculty member, resulting in superior academic quality.

**Citations per faculty 54.1/100** Research output is a key metric in an institute's score. A five-year window is considered for evaluating the number of citations as research takes time to be effectively disseminated. IIT-B has major research projects in important areas, including projects focussing on serving the community at large. According to the institute's director, IIT-B's focus on research has stayed consistent for 30 years.

## CII INDUSTRIAL INNOVATION AWARDS 2018

Continuing the best practices of Confederation of Indian Industry (CII) to encourage, support and recognize the efforts of industry, and to build competitiveness within Industry, CII is pleased to announce the launch of its Industrial Innovation Awards in 2018, the 5th edition of this coveted award.

Last four editions of CII Industrial Innovation Awards recognized 102 Firms as Champions of Indian Innovation in their respective industry sectors and segments. You may check the following link to view a video on Awards <https://youtu.be/DO44PXu7Jkw>

You are invited to register and submit your application for the Awards. The last date for submission for 2018 awards is 20th June. To register please click here: REGISTER

Please contact Mr. Prince Thomas (M# +91 7837091906/ T# 0124 4014060 (Ext. 476); E@ prince.thomas@cii.in) for further details.

Brochure: <https://www.innovationawards.ciiinnovation.in/pdf/CII-Industrial-Innovation-Brochure-2018.pdf>

**CII**  
Confederation of Indian Industry

**CII INDUSTRIAL INNOVATION AWARDS 2018**

Recognizing Champions of Indian Innovation

**WHO CAN APPLY**

CII Industrial Innovation Awards is for all Indian enterprises across industry segments and sectors

**Segment:** Large, Medium and Micro-Small

**Sector:** Manufacturing and Service

**BENEFITS**

- Recognition as an innovation driven organization
- High Brand Value for business
- Feedback on innovation strengths and weaknesses
- Promotion at various CII platforms
- Benchmarking among other innovative firms
- Get featured in Annual publications
- Learning about innovation best practices

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