

# CSIR in Media



*75 Years of*  
**CSIR Touching Lives**

**A Daily News Bulletin**  
**6<sup>th</sup> – 7<sup>th</sup> July 2017**





## JIGYASA" - Student-Scientist connect programme launched

CSIR

6<sup>th</sup> July 2017

**1151 Kendriya Vidyalayas connect with 38 CSIR Laboratories targeting one lakh students and nearly 1000 teachers annually**

Jigyasa, a student- scientist connect programme was officially launched in the national capital today. Council of Scientific and Industrial Research (CSIR), has joined hands with Kendriya Vidyalaya Sangathan (KVS) to implement this programme. The focus is on connecting school students and scientists so as to extend student's classroom learning with that of a very well planned research laboratory based learning.

Memorandum of Understanding signing ceremony was held in the presence of Dr. Harsh Vardhan, Minister of Science & Technology, Earth Sciences, Environment, Forests and Climate Change and Shri

Prakash Javadekar, Minister of Human Resource Development.

Addressing the gathering, the Minister for Science & Technology, Dr Harshvardhan said, that the Jigyasa programme was inspired by Prime Minister Narendra Modi's vision of a new India and "Scientific Social Responsibility (SSR)" of scientific community and institutions. It is a historic day when two ministries are collaborating on the Youth who are the future of the nation. The day also coincides with the birthday of Shri Shyama Prasad Mukherjee who is an inspirational figure and a role model for all Indians.



Speaking on the occasion, Union Minister of Human Resource Development Shri Prakash Javadekar said that “to inculcate scientific temper among the students we have to make them aware about the impact of science on the society. Science has played a very important role in changing our lives”. Thanking Dr Harshvardhan and CSIR, Shri Javadekar further said that access to these premier institutions is only the beginning. CSIR will also talent hunt among the visiting students for furthering the cause of scientific development. The Minister also informed that he will personally review the status periodically.

CSIR has been contributing for several decades for socio-economic development in the country. It has been through development and deployment of knowledge base focused at Technology and Innovation. CSIR has also been playing a key role in human resource development, in particular training of the young researchers through Ph. D. programmes in diverse fields.

The “JIGYASA” would inculcate the culture of inquisitiveness on one hand and scientific temper on the other, amongst the school students and their teachers. The Programme is expected to connect 1151 Kendriya Vidyalayas with 38 National Laboratories of CSIR targeting 100,000 students and nearly 1000 teachers annually.



The program will also enable the students and teachers to practically live the theoretical concepts taught in science by visiting CSIR laboratories and by participating in mini-science projects. The model of engagement includes:

Student Residential Programmes;  
Scientists as Teachers and Teachers as Scientists;  
Lab specific activities / Onsite Experiments;  
Visits of Scientists to Schools/Outreach Programmes;  
Science and Maths Clubs;  
Popular Lecture Series/ demonstration programme at Schools;  
Student Apprenticeship Programmes;  
Science Exhibitions;  
Projects of National Children's Science Congress;  
Teacher Workshops; and  
Tinkering Laboratories.

“JIGYASA” is one of the major initiative taken up by CSIR at national level, during its Platinum Jubilee Celebration Year. CSIR is widening and deepening its Scientific Social Responsibility further with the programme.

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**Published in:**

[Business Standard](#)



Also Published in:

[Hindustan Times](#) [Telegraph India](#)

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Punjab Kesari Page 10, Jansatta Page 3

Millenium Post Page 10, The Pioneer Page 11, TOI Page 5

The Hindu Page 7, Dainik Jagran Page 6, Amar Ujala Page 6

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## NITI Aayog to provide financial aid for incubation centres

CSIR-CCMB

5<sup>th</sup> July 2017

**NITI Aayog's Atal Innovation Mission will provide financial assistance to 10 different institutions for setting up incubation centres, in the first round of funding.**

NITI Aayog's Atal Innovation Mission will provide financial assistance to 10 different institutions for setting up incubation centres, in the first round of funding. Prominent ones among the applicants are CSIR Centre for Cellular and Molecular Biology in Telangana, NIFT TEA Knitwear Fashion Institute in Tamil Nadu and Shiv Nadar University in Uttar Pradesh. Shiv Nadar University will receive financial

support for setting up a startup hub on 'Health and Pharmaceuticals, New Materials and Education', according to a release issued by the varsity. Atal Innovation Mission (AIM) will provide a grant-in-aid of up to Rs 10 crore for a maximum period of five years to these institutions to cover the capital and operational expenditures in establishing the incubation centres to be called – Atal Incubation Centres (AIC).

**Published in:**

[Financial Express](#)

**Also Published in:**

[Business Standard](#) [NDTV](#) [India Today](#)



## Moon mission: Team Indus to raise USD 40 mn; rover, spacecraft flight testing in August at ISRO facility

CSIR-NAL

5<sup>th</sup> July 2017



Team Indus, the Indian space startup which is part of the Google Lunar XPrize competition to land a rover on the Moon, is planning to raise USD 40 million. The Team Indus looks to raise the fund through a mix of corporate sponsorship and crowdfunding before its scheduled lunar rover mission launch, scheduled for December.

A host of bigwigs including Ratan Tata, Nandan Nilekani, Sachin Bansal

and Binny Bansal, and Accel Partners' Subrata Mitra and Shekhar Kirani have backed Team Indus, which has so far raised USD 20 million in equity funding and another USD 20 million in payload partnerships (for carrying third party payloads in the spacecraft).

In 2011, IIT-Delhi alumnus Rahul Narayan founded Team Indus, which is all set to carry its rover along with 11 payloads in the spacecraft. Government's National Aerospace Laboratories (NAL) is currently preparing the spacecraft and the rover, while the final assembly will be done at the Team Indus facility in North Bengaluru.



"Our spacecraft structure is ready. The software and the mission command centre is up and running and is undergoing testing. This mission is challenging. ISRO's Chandrayaan 1 was an orbital mission, while our spacecraft has to land on the Moon," said Narayan.

However, the company could take some liberties given the fact that the mission is short and landing-focussed, he noted. The flight testing of the spacecraft and payloads will take place in August at ISRO's facility.

130 people are involved in Team Indus, which aims at emerging as a key private satellite building and space management company.

"By 2020, ISRO is set to employ a private launch vehicle. Not much is spoken about the organisation's effort to encourage private players. We see ourselves augmenting ISRO's capacities, not capabilities," Narayan said.

Given the explosive growth in communication in India, Team Indus sees a big opportunity in boosting up its knowledge in launching and managing communication satellites.

"We have also built strong relationships with the space agencies of France, Japan and UAE," Narayan said.

**Published in:**

[News Nation](#)

**Also Published in:**

[TOI](#) [Zee News](#) [The Hindu](#)



## Catechin to be extracted from tea

CSIR - IHBT

5<sup>th</sup> July 2017

Indcoserve, Coonoor, the apex body of the Industrial Cooperative (Indco) Tea Factories, has signed a Memorandum of Understanding with the CSIR-IHBT (Institute of Himalayan Bioresource Technology), Palampur, Himachal Pradesh, on June 30 to extract catechin from tea leaves, on a transfer of technology basis.

Catechin are phenols and polyphenols which are natural plant compounds found in tea, and are believed to provide potential health benefits.

The extraction of catechin will be done at Kaikatty Industrial Tea Factory Limited, Melur, and later at Mahalinga Industrial Cooperative Tea Factory.

“Tea catechin are high value antioxidants responsible for numerous health benefits. For extracting 1 kg of catechin, about 50 kg of fresh tea leaves are required.

It could fetch up to ₹ 15,000 in the international market,” said a press release from the Indocoserve here.

Apart from the manufacture of orthodox and green teas, this was the first time Indcoserve was initiating the production of value-added products from green tea leaves, which would help the tea industry to compete in the world market, the release added.

**Published in:**

[The Hindu](#)



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CSIR - IITR

5<sup>th</sup> July 2017

### डीएनए स्टेबिलिटी मेनटेन हो गई तो कैंसर से मिलेगी राहत

साइंटिस्ट अमित को मिली ₹3.6 करोड़ की फेलोशिप

■ एनबीटी, लखनऊ : शरीर में डीएनए को रिपेयर करने का काम प्रोटीन करते हैं। जब यह प्रोटींस नियंत्रित नहीं होते हैं तो सेल्स डैमेज होने लगते हैं। जिनसे कैंसर, न्यूरोडीजनरेशन, प्री मेच्योर एजिंग जैसी बीमारियां होती हैं। अगर डीएनए की स्टेबिलिटी मेनटेन कर ली जाए तो इन बीमारियों से बचा जा सकता है। लखनऊ के आईआईटीआर के सीनियर साइंटिस्ट डॉ. अमित कुमार इसी विषय पर अपनी रिसर्च कर रहे हैं। इसके लिए उन्हें डिपार्टमेंट ऑफ बायोटेक्नोलॉजी और यूके के वेलकम ट्रस्ट की ओर से 3.6 करोड़ रुपये की फेलोशिप मिली है। अमित बताते हैं कि देश में कैंसर के साथ ही साथ प्री मेच्योर एजिंग तेजी से बढ़ रही है। इस रिसर्च में सफलता मिलने से इस बीमारी से बचा जा सकता है। सीएसआईआर में अमित पहले वैज्ञानिक हैं जिन्हें यह फेलोशिप मिली है।



**Published in:**

Nav Bharat Times, Page 8