Print Clipping – September 2022

English

Bureau

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Edition New Delhi Journalist Date 11/09/2022 Page no

PM: Joint efforts must to make India research hub

Opens Centre-State Science Conclave in Ahmedabad

TRIBUNE NEWS SERVICE



We III All III MECICICICI
Indian scientists CV Raman,
Jagdish Chandra Bose,
Satyendranath Bose, Meghrand Saha and S Chandrandschar also brought new
discoveries to the fore.
The Prime Minister, which we will be a contied of the control of the control of the contrecognition had not been
given to the work of scientists, something which is
now being done.
"Scientists are giving ample
reasons to the country to celebrate them," PM said, lauding
the role of Indian scientists in
developing Covid vaccines.

developing Covid vaccines. He said inclination towards

science, technology and inno-vation was "in the DNA of our

vation was "in the DNA of our young generation and we need to support them with full strength."

He also asked every state to lay down modern policy regarding science, innovation and technology. "As governments, we have to have more and more cooperate and collaborate with our scientists. This will create an atmosphere of a scientific modernity," PM noted.



Publication Edition Date

Hindustan Times Mumbai

11/09/2022

Language Journalist

English Bureau 1, 13

PM calls for efforts to turn India global innovation centre

NEW DEUF. Frime Minister Natendra Modi on Santrudy emphasised the need for concerted
efforts to make India a global
centre of research and innovation, urging state governments
to frame modern policies in the
fields of science and technology,
even as he sald the government
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even as the science and the science and the
work of Indian scientists was not
in the country. This turned a large
section of the society indifferent towards science, he added.
The first-of-tes-land conclave
aims to strengthen Centre-state
coordination and collaboration
nechanisms to build a robust sci-NEW DELHI: Prime Minister Nar-



ence, technology and innovation ecosystem across the country, and Jal Jawan, Jal Kisan, Jal Wigsan, We have to work together on in investment in the fields of set ence and technology. India is global centre of research and



The Times of India Mumbai 11/09/2022 Language Page no

English TNN 1. 13

'India up from 81 to 46 in innovation index'

DM Modi on Saturday sa-I id science should be at the centre of policy-making and governments must "cooperate and collaborate" with the scientific community. "Due to the efforts of the government, India is today ranked 46th in the Global Innovation Index, whereas it was at 81st position in 2015." P13



PM: Must make India global innovation hub in next 25 yrs

New Delhi: Prime Minister

New Delhi: Prime Minister Narendra Modi on Saturday said science should be at the centre of policy-making and stressed that the Centre and states have to "cooperate and collaborate" with the scientific community to frame modern policies that meet local needs such as affordable housing, promote climateresilient agriculture and boost circular economy through waste processing. "We'll have to simultaneously work on multiple fronts to make India a global centre of research and innovation during the Amrit Kaal (in the next 25 years)... This is the modern policy of the properties of the p



PM Narendra Modi during the inauguration of the 'Centre-State Science Conclave' on Saturday

mand asked states to promote research and innovation as brithe country as it will determine the new identity and strengthof India," hessaid. All states, except. Pharkhand and Bihar, are participating in the two-day conclave which is brainstorming on different hematic areas including ona roadmap for the Science, Technology & Innovation (STI) Vision 2017 to make India a global centred research and innovation. He lauded the role of Indian scientists in developing the Covid-19 vaccine and contributing to the world's biggest vaccine drive. Noting that there has been a substan-



'Funding plan stifling interest in research





The Times of India New Delhi 11/09/2022

Language Journalist Page no

English TNN 1, 11

'India up from 81 to 46 in innovation index'

M Modi on Saturday said science should be at the centre of policy-making and governments must "cooperate and collaborate" with the scientific community. "Due to the efforts of the government, India is today ranked 46th in the Global Innovation Index, whereas it was at 81st position in 2015." P11



New system of R&D allocation chokes flow of research funds

Under Rules, Key Institutes Like IITs Will Have To Open 400-500 A/Cs A





The Times of India New Delhi 11/09/2022 Language Journalist Page no English Hemali Chhapia 1, 19

New system of R&D allocation stalls funds flow

Tlow of funds for research Γ appears to be slowing down at government-run scientific institutions, reports Hemali Chhapia. A new set of central rules has been put in place to prevent money from lying unspent in research kitties, but they come with layers of regulation and compliance, which have delayed disbursements this year, according to several members of the academic community. Earlier, allocations approved for a financial year would be transferred in advance into an institute's account and spent as needed. P19



Publication Edition

The Times of India Language New Delhi

Journalist 09/09/2022 Page no

English Surendra Singh

India to get its first 'night sky sanctuary' soon

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Memora.singn
Witmesgroup.com

New Delhi: The country's first-ever 'night sky sanctuary' will come up in Ladakh soon. The department of science and technology has undertaken this first-of-its-kind project where a dark sky reserve will be set up in Ladakh's Hanle as part of Changthang wildlife sanctuary in the next three months. It will boost astro tourism (travel to remote locations for unpolluted views of the cosmos) in India and will be one of the world's highest-located sites for optical, infra-red, and gamma-ray telescopes.

Science and technology minister Jitendra Singh made the announcement for the night sky sanctuary recently after meeting Ladakh Li Governor R K Mathur, who called on him in Delhi last Saturday.

At a height of 4,500 m, Hanle is home to an optical, a gamma ray and an infrared telescope at the Indian Astronomical Observatory complex operated by the IIA. These telescopes have been used to study stars, galaxies, and the evolution of our universe.



Rashtriya Sahara Language Edition New Delhi Journalist 12/09/2022 Date Page no

Hindi Bureau

चौथी औद्योगिक क्रांति

धानमंत्री नरेन्द्र मोदी ने कहा है कि भारत चौथी औद्योगिक क्रांति का नेतृत्व करने की ओर बढ़ रहा है। प्रधामंत्री ने वीडियो कॉन्फ्रेंस के माध्यम से अहमदाबाद में साइंस सिटी में आयोजित दो दिवसीय केंद्र-राज्य विज्ञान सम्मेलन का शनिवार को उद्घाटन करते हुए यह बात कही। 'जय जवान. जय किसान. जय विजान' के साथ ही जय अनसंधान का आज्वान करते जवान, जोब किसीन, जब ।बजान के साब हा जब उनुसंबान का जाटनात करत. हुए उन्होंने कहा कि हम फिछली शताब्यों के शुरुआती दिनों को याद कर तो पाते हैं कि उस दौर, जब दुनिया तवाड़ी और त्रासदी का सामना कर रही थीं, में चाहे ईस्ट हो वेस्ट कहना यह कि हर जगह के वैज्ञानिक महान खोज में जुट्टे हुए थे। पश्चिम में आइंस्टाइन, फर्मी, मैक्स प्लॉक, नील्स बोर, टेस्ला जैसे वैज्ञानिक



अपने प्रयोगों से दुनिया को चौंका रहे थे। उसी दौर में सीवी रमन, जगदीश चंद्र बोस, सत्येंद्रनाथ बोस, मेघनाद साहा, एस. चंद्रशेखर समेत कई वैज्ञानिक अपनी नई-नई खोज सामने ला रहे थे। बेशक. पश्चिमी देशों में विज्ञान के क्षेत्र में हो रहीं नई-नई खोजों की खासी सराहना हुई लेकिन भारत इस मामले में नाकाम रहा। सच तो यह है कि हमारे समाज का बड़ा हिस्सा आज भी विज्ञान या किसी भी प्रकार के नवाचार के प्रति उदासीन दिखलाई

पड़ता है। लेकिन इस तथ्य को अनदेखा नहीं किया जाना चाहिए कि 21वीं सदी के भारत के विकास विज्ञान की बड़ी भूमिका रहने वाली है। ऐसा नहीं है कि भारत में यह सब करने की सामर्थ्य नहीं हो, लेकिन बात वहीं नजरिए पर आकर नारत ने बहु सच करने का सामध्य ने है। हैं, हाराकों बाद कर नाजाद र से जाते हैं ठहर जाती हैं। में अपनी सोच को वैज्ञानिक पुट देना होगा। हम समय की इस आवश्यकता को समझें कि स्थानीय समस्याओं के लिए स्थानीय समाधान खोजने के लिए नवाचार का कोई विकल्प नहीं हैं। वहनीय आवास, जलवायु खाजन में रिस्ट्रिंग्वयार बाजा विकार ने साह ने बहना जावादा, अर्थायु अनुकूल फसलें और करार पुनर्नक्रण जैसे भुद्दों का स्थानिय स्तर पर समाधान तलाशन की जरूरत है। देश में वैज्ञानिकता का माहील बनाकर ही ऐसा किया जा सकता है। इस कड़ी में सरकार की महत्त्वाकांक्षी योजना स्टार्टअप से मदद मिल सकती है। इस योजना को भी वैज्ञानिक सोच से डूड़तर किया जा सकता है। अच्छी बात वह हैं कि वैश्विक नववार सुच्कांक में भारत की रैकिंग में बेहतर हुई है। आज भारत इस मामले में 46वें स्थान पर है, जबकि 2015 से पहले 81वें स्थान पर था। अच्छी बात यह भी है कि 2014 के बाद से विज्ञान एवं प्रौद्योगिकी के क्षेत्र में भारत में निवेश काफी बढ़ा है। ऐसे में आजादी के . अमृतकाल में इन क्षेत्रों से जुड़े लोगों की भूमिका काफी महत्त्वपूर्ण हो जाती है।



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Rashtriya Sahara New Delhi 11/09/2022 Language Journalist Page no

Hindi Bureau

भारत चौथी औद्योगिक क्रांति का नेतृत्व करने को अग्रसर : मोदी



है कि हम अपने देश के वैज्ञानिकों की उपलब्धियाँ को जनकर सेलिक्षेट करें। हमारी सत्तार सहंद बेस्ड डेजलमोर्ट छाउँ। सोम के साब नाम कर रही हैं। 2014 के बाद से साईस और टेक्नोलॉडी के क्षेत्र में इन्वेस्टरेट में कारफी ड्रॉड को मार्ट हैं लिए से प्रथानों से आप परद लोजक ट्रानैक्टर इंडेस्स में 46वीं स्थान पर हैं जनक ट्रानैक्टर इंडेस्स में 46वीं स्थान पर हैं जनक 2015 में



Rashtriya Sahara New Delhi Language

Journalist 10/09/2022

Page no

Hindi Bureau

पीएम मोदी आज करेंगे केन्द्र-राज्य विज्ञान सम्मेलन का उद्घाटन

न्ई दिल्ली (एसएनबी) । प्रधानमंत्री नरेन्द्र मोदी शनिवार को ऑनलाइन केंद्र-राज्य विज्ञान सम्मेलन का उद्घाटन करेंगे। पीएमओ के अनुसार देश में नवाचार और उद्यमिता को सुगम बनाने के लिए प्रधानमंत्री के प्रयासों के अनुरूप बनान क लिए प्रधानमंत्रा क प्रचारत क उनुहरू इस सम्मेलन का उद्देश्य सहकारी संघवाद के जिर्देय केंद्र और राज्य के बीच समन्वव तथा सहयोग तंत्र को मजबूत बनाना और पूरे देश में विज्ञान, प्रौद्योगिकी व नवाचार के लिए एक सशक्त पारिस्थितिकी तंत्र का निर्माण करना है। सम्मेलन 10-11 सितंबर, 2022 को साइंस

सिटी, अहमदाबाद में किया जाएगा। सम्मेलन में एसटीआई दृष्टिकोण 2047; राज्यों में एसटीआई के लिए भविष्य के विकास के रास्ते और नजरिया; स्वास्थ्य - सभी के लिए डिजिटल स्वास्थ्य देखभाल; 2030 तक अनुसंधान एवं विकास में निजी क्षेत्र के निवेश जनुत्तवान एवं विकास ने निजा क्षेत्र का निवस को दोगुना करना; कृषि-किसानों की आय में सुधार के लिए तकनीकी हस्तक्षेप जैसे विभिन्न विषयों पर सत्र शामिल होंगे। कार्यालय ने बताया कि इनके अलावा जल - पीने योग्य पेयजल के लिए नवाचार; ऊर्जा- हाइड्रोजन मिशन में विज्ञान एवं प्रौद्योगिकी की भूमिका आदि के साथ-साथ सभी के लिए स्वच्छ ऊर्जा और तटीय राज्यों/केंद्रशासित प्रदेशों तथा देश की भविष्य की अर्थव्यवस्था के लिए इसकी प्रासंगिकता जैसे विभिन्न विषयों पर भी सत्र आयोजित होंगे।



Rajasthan Patrika New Delhi 11/09/2022 Language Journalist Page no

Hindi Bureau



अहम्याबाय नहीं विकली.
प्रधानमंत्री नरेन्द्र मंग्री में करता कि
तिकास को गति देने का साम्बर्ध है। जाज मारत पीची जीवीगिक
कांत्रि का नेतृष्ठ कर रहे जो तरह है,
जिसमें हर क्षेत्र व हर राज्य के
विकास को गति देने का साम्बर्ध है।
काज मारत पीची जीवीगिक
कांत्रि का नेतृष्ठ करन्दर की तरफ
ब्रह्म रहा है। मंदी ने यह बाद
पानिकार को अहमन्द्रामा कर्मा
केपन्द्र कर्म है।
अहमन्द्रामी हो।
अहमन्द्रामी ने कात कि समाधान,
इंग्लेपनुक्ता की संद्र हो।
विकास है। इसी प्रेरणा से
आज का नाम पासर, राज्य अवासजाद किसान, जाव विज्ञान के साथ
ही। अब अनुसंधान का आख्यान
करते हुए आगे बहु रहा है।
मोदी ने कड़ा कि अमुराकाल
से भारत रिसर्च की हमीविसन का
प्रशास केपन करने हमा हमके दिए
से एक साथ अनेक मंधी पर काम
करना है। बड़ी उपनी विज्ञान की
आब्ध्य करना है। उपनी विज्ञान की
आब्ध्य करना है। विज्ञान के नाई पर कराने
का ने वाले स्वरूप जोने कहा कि
आब्ध करना है। वीपन ने कहा कि
आने वाले देन से सम्हान प्रसान
और साकत कर निर्मारण करेगा
और साकत कर निर्मारण करेगा



प्रधानमंत्री नरेंद्र मंग्दी ने शानेवार को नई दिल्ली से वीडियो कॉन्फ्रेंसिंग के जरिये अहमवाबाद में कंद्र-राज्य विज्ञान सम्मेलन का उद्घाटन किंग्ड।

बिहार-झारखंड रहे बाहर...महली बार आयोजित विकान सम्मेलन में बिहार, झारखंड को छोड़कर सभी शाज्यों ने हिस्सा लिया। केंद्र ने कहा कि साइंस, इनोबेशन को लेकर दोनों राज्यों की उनकी उदासीनता झलकती है।

देश 'जय अनुसंधान' की ट्राह पर... लेकिन मंजिल अभी दूर

अनुसंधान की स्थिति पर एकनजर

उन्हें संद्वान की स्थात पर एकन्म अर्थ सहस्र मंदि आयोग के पारतीय इनोब्दान इंडिंग्स से स्वा अर्थान से खार्च अनुसार 2015 में 13ई नेंद्र पर स्वा अर्थान से खार्च अनुसार 2015 में 13ई नेंद्र पर स्वा अर्थान से खार्च स्वा सुनिया में।

3425 रुपए भारत का कुल व्यय प्रति व्यक्ति अनुसंधान और विकास (आरएंडडी) है। रूस में व्यक्ति आंकड़ा 22,703 रुपए. मलेशिया का 23,340 रुपए हैं।

51,940 पेटेंट फाइल किए गए वित्त वर्ष 2021-22 में, जबकि 2020-21 में यह आंकड़ा 58503 था।



Publication The Pioneer English Language Edition New Delhi Journalist Bureau Date 10/09/2022 Page no

PM TO OPEN SCIENCE **CONCLAVE**

New Delhi: Prime Minister Narendra Modi will inaugurate the Centre-State Science Conclave on Saturday via video conferencing. The programme is in line with the PM's relentless efforts to facilitate innovation and entrepreneurship in the country.



Publication Edition

Millennium Post New Delhi 11/09/2022 Journalist Page no

English Bureau

Bihar, Jharkhand give a miss to science conclave

The Centre-State Science Conclave was inaugurated on Saturday by Prime Minister Narendra Modi

OUR CORRESPONDENT Both the states have

OUR CORRESPONDENT

NEW DELHI: In a growing trend of states avoiding trend of states avoiding centrally-organised their official statement for their behavior and all blands of the states belowere, both being attended by all other state governments. However, both the states have not yet released their official statement for their absence in the conclave, which is the first of its kind. The event is being attended by all other state governments. However, both the states have not yet released their official statement for their absence in the conclave, which is the first of its kind. The event is being attended by all other state governments. However, both the states have no conclave, which is the first of the kind have not yet released their official statement for their absence in the conclave, which is the first of its kind. The event is the state government as it conclave, which is the first of the kind of the state shave not yet released their official communication in this regard has not yet been released by either flastshand Governodave, which is the order of the conclave, which is the order of the conclave, which is the first of its kind.

The event being attended by all other state governments as it and the conclave, which is the order of the conclave, which is the first of its kind.

The event being attended by all other state government as it had a conclave will include sessions on a rous themes, including injutal health care, technological interventions for improving farmers income, clean one of the conclave will include sessions on the lection Commission and topic the government as it happened in Maharashtra and handlay Pradesh.

Bhar, which is the other state that did not participate in the conclave, which is the other state that did not participate in the conclave will include ensistent on the lection Commission and the lection Commission and the lection Commission and



Publication Hindi Language New Delhi Edition Journalist Bureau Date 11/09/2022 Page no

केंद्र-राज्य विज्ञान सम्मेलन के उद्घाटन सत्र में प्रधानमंत्री मोदी ने कहा

चौथी औद्योगिक क्रांति का नेतृत्व करने की ओर बढ़ रहा है भारत



Language



Publication Edition Date

The Indian Express New Delhi 11/09/2022

Journalist Page no

English Bureau

We didn't adequately celebrate work of **Indian scientists: PM**

EXPRESS NEWS SERVICE AHMEDABAD, NEW DELHI, SEPTEMBER 10

ACCOMPLISHMENTS OF Indian scientists during the last century were not "celebrated" ade-quately, Prime Minister Narendra Modi said while virtu-



vocately. Prime Minister Namenda Modi said while virtual ally inaugurating a Centre-Saret Science City on Saturday.

Naming Indian scientists like V Raman, I agadish Chandra Bose, Satyendra Nath Bose and Meghnad Saha, Modi said, "We did not celebrate the work of our scientists as much as it should have been done. Due to this, a large part of our society remained indifferent to science."

Modi said that the government's investment in science and technology has risen since 2014, "Our government is movement in westment in science and technology sector have also in creased. Due to the efforts of the government, today India is at 46th position in the global innovation index, In 2015, India said 44th position in the global innovation index, In 2015, India said 44th position in the global innovation index, In 2015, India said 44th position in the global innovation index, In 2015, India said 44th position in the global innovation index, In 2015, India said 44th position in the global innovation in the state of the science and technology sector have also increased. Due to the efforts of the government, India the science and technology sector have also increased. Due to the efforts of the government, India the science and technology sector have also increased. Due to the efforts of the government, India the science and technology sector have also increased. Due to the efforts of the government, India the science and technology sector have also increased. Due to the efforts of the government, India the science and technology sector have also increased. Due to the efforts of the government in conductor mission, Mission, semi-conductor mission, Mission, semi-conductor mission, emission the science and technology sector have also in the science and

Coming up in Ladakh, India's first dark sky reserve

ANJALIMARAR PUNE, SEPTEMBER 5

BY THE end of 2022, India will establish its first Dark Sky Reserve in the cold desert re-gions of Ladakh, Dr Jitendra Singh, Minister of State (Independent Charge) for Science and Technology, said on Saturday.

Free of light pollution

A 'Dark Sky Reserve' is public or private land with distinguished nocturnal envi-ronment and starry nights that has been developed responsibly to prevent light

According to the International Dark Sky According to the International Dark Sly
According to the International Dark Sly
Tonsist of a core area meeting minimum
criteria for sky quality and natural darkness, and a peripheral area that supports
dark sly preserves, it said, are formed
through a "partnership of multiple land
managers who have recognized the value of
the natural nighttime environment through
regulations and long-term planning".

Earning the tag

Individuals or groups can nominate a site for certification to the IDSA. There are



The Indian Astronomical Observatory in Hanle.

five designated categories - namely, International Dark Sky parks, communi ties, reserves, sanctuaries and Urban Night

The certification process is similar to that of a site being awarded the UNESCO World Heritage Site tag or getting recog-nised as a Biosphere Reserve.

nised as a Biosphere Reserve.
Between 2001 and January 2022, 195
sites have been recognised as International
Dark Sky Places globally, the IDSA says.
India is still in the process of filing the
relevant documents to the IDSA.

India's efforts

The Ladakh Union Territory adminis-tration is leading the efforts in establishing

the country's first Dark Sky Reserve.

the country's first Dark Sky Reserve.
To be situated at a height of 4,500 metres above sea level, the Hanle Dark Sky
Reserve (HDSR) will come up within the
Changthang Wildlife Sanctuary.
The Department of Science and
Technology and experts from the Indian
Institute of Astrophysics (IIA), Bengaluru,
are providing scientific and technological
support in developing this first-of-its-kind
facility.

facility.

The IIA already manages the Indian Astronomical Observatory (IAO) complex at Hanle.

The formal decision to set up this reserve was made through an MoU signed between officials from the IIA, the Ladakh

UT and the Ladakh Autonomous Hill Development Council in June this year

Why Ladakh?

WNY_LAGAIN?

Ladakh is a unique cold desert with high mountainous terrains. Long and harsh win-ters with minimum temperatures dropping to minus 40 degrees Celsius make large parts of the UT uninhabitable. This ardily, limited vegetation, high elevation and large areas with sparse population, all make it the perfect setting for long-term astronomical observatories and dark sky nlaces.

But the primary objective of the pro-posed Dark Sky Reserve is to promote as-

tronomy tourism.

IIA's scientists and outreach experts will identify locals and train them to use easy-to-handle telescopes. These telescopes will be installed at homestays, a popular ac-commodation facility in Ladakh.

commodation facility in Ladakh.

The 22-km radius around the Hanle ob-servatory, where the core Dark Siq Reserve will stand, will have restrictions imposed on outdoor lighting. All vehicles will be barred from using high-beam headlights. Houses here will be encouraged to use cur-tains of darker shades, install light reflect-ing shields and switch off all unwanted il-lumination.



Publication Hindustan Times Language Edition New Delhi Journalist 11/09/2022 Date Page no

English PTI

1, 18

PM calls for efforts to turn India global innovation centre

HT Correspondent

NEW DELHI: Prime Minister Nar-endra Modi on Saturday empha-sised the need for concerted efforts to make India a global centre of research and innova-tion, urging state governments to frame modern policies in the fields of science and technology, even as he said the government was working with the thinking of "science-based development". The Prime Minister, who inau-gurated the two-day "Centre-State Science Conclave" in Ahmedabad via video conferencing, said that NEW DELHI: Prime Minister Nar-

science Concave in Anniecialoid via video conferencing, said that unlike in western countries, the work of Indian scientists was not given due recognition in the past in the country. This turned a large section of the society indifferent towards science, he added.

The first-of-its-kind conclave

aims to strengthen Centre-state coordination and collaboration mechanisms to build a robust sci-



ence, technology and innovation ecosystem across the country, according to the government. PM Modi said that since 204, there has been a significant rise in investment in the fields of sci-ence and technology. India is

going ahead with the mantra of "Jai Jawan, Jai Kicen 1-17" going ahead with the mantra of "Jai Jawan, Jai Kisan, Jai Vigyan and Jai Anusandhan", he said. "We have to work together on various fronts to make India a global centre of research and



Hindustan Times New Delhi 04/09/2022

Language Journalist Page no English Bureau

India's first night sky sanctuary in Ladakh in three months: Minister

NEW DELHI: India's first"night sky sanctuary" will
be set up in Ladakh within
the next three months,
science and technology
minister Jitendra Singh
said on Saturday. The
proposed Dark Sky
Reserve will be located at
Hanle in Ladakh as a part
of the Changthang
Wildlife Sanctuary and
will be one of the world's
highest-located sites for
optical, infra-red, and
gamma-ray telescopes,
Singh said.

He said the dark sky reserve site will have activities to help in boosting local tourism and economy through interventions of science and technology.



Publication Hindustan Language Edition New Delhi Journalist 11/09/2022 Date Page no

केंद्र-राज्य विज्ञान सम्मेलन में प्रधानमंत्री नरेंद्र मोदी का संकल्प

क्रांति का अगुवा बनेगा

शिष्यया को सरहाना किए जान की रत बढ़ाई। जब हम अपने निकों की उपलब्धियों की सरहना 1, विज्ञान हमारे समाज का एक तिक हिस्सा बन जाएगा। वह तिक हिस्सा बन जाएगा।



नवाचार में आगे बढ़ा देश 46 नंबर पर है गरत नवाचार सूची में वर्ष 2015 में विज्ञान के प्रति झुकाव युवाओं के डीएनए में

नई दिल्ली से जनिवार को अहमदाबाद में अधोजित केंद्र-राज्य विक्रान सम कें उद्घाटन सत्र को संबोधित करते प्रधाननंत्री नरेंद्र मोदी । •देट

शोध को स्थानीय स्तर पर ले जाएं: प्रधानमंत्री ने कहा कि 2014 के बाद से विशान एवं श्रीशोरिकों के क्षेत्र में निवेश काफी बड़ा है। मारत जब जबान, जब किसान, जम चिहान और जब अनुसंधान के मंत्र के साथ आगे बढ़ रहा है। हमें इस अमुककाल में भारत को अनुसंधान और नवाचार का हब बनाने के लिए विश्वन मोर्चों पर एक साथ वचन करना होया। हमें विज्ञान और प्रीव्योंनिकों के क्षेत्र में शोध को स्वाचित्र कर के लिए हो जाता है। वैज्ञानिक संस्थानों की स्वाचना पर जोर दें: मोर्चे ने कहा कि नवाचार को



Publication Hari Bhoomi Hindi Language Edition New Delhi Journalist Bureau Date 11/09/2022 Page no 7

Hindi

Bureau



SHOWERS PRAISE ON INDIAN SCIENTISTS

PM: Role of people connected with science has increased

PRIME MINISTER NARENDRA





Publication Edition

Date

Financial Express

Language

New Delhi 11/09/2022

Journalist

Page no

English Bureau

1, 3

PM asks states to promote research

PM MODI SAID the central government is constantly working on science-based development projects, while inaugurating the first of its kind Centre-State Science conclave in Ahmedabad on Saturday, reports **fe Bureau** in **Ahmedabad**. He stressed on giving full support to youngsters.

Emphasising on taking science and technology-related research to the local level, the PM said states should promote research and innovation as per their local needs. He asked every state to lay down modern policy regarding science, innovation and technology. ■ PAGE 3



Publication English Deccan Chronicle Language PTI Edition Hyderabad Journalist 11/09/2022 Date Page no

Make India a hub of innovation: PM

Urges states to frame modern policies

Ahmedabad, Sept. 10: Prime Minister Narendra Modi on Saturday called for concerted efforts to make India a global centre of research and innova-tion, and urged state gov-

the fields of science ant technology. India is going ahead with the mantra of 'Jai Jawan, Jai Kisan, Jai Vigyan and Jai Anusandhan' (Hall soldiers, farmers, science and research), he said.

"We have to work together on various fronts to make India a global centre of research and innovation in this 'amrit kaal'. We



AIDING SCIENCE

- There is a need to celebrate the achievements of Indian scientists, the Prime Minister said at the inaugural session of the Centre-State Science Conclave.
- Calls for 'hyper specialisation', says Centre ready to help states develop globa level specialised laboratories.

India has seen significant increase in invest-ments in the field of science and technology since 2014. Record number of patents, innovation and emergence of startups a testimony to this.

- NARENDRA MODI, Prime Ministe



Publication Dainik Jagran Hindi Language Edition New Delhi **Journalist** Bureau 11/09/2022 Date Page no 1

अनुसंधान और नवाचार का वैश्विक केंद्र बनेगा भारत : प्रधानमंत्री





 Publication
 Amar Ujala
 Language
 Hindi

 Edition
 New Delhi
 Journalist
 Bureau

 Date
 11/09/2022
 Page no
 1

चौथी औद्योगिक क्रांति की ओर भारत

पीएम मोदी ने कहा-देश को बनाना होगा नवाचार का गढ़, केंद्र-राज्य विज्ञान सम्मेलन का किया उद्घाटन

अहम्माध्यक्षाः प्रचनभावे भीड् कोर्य ने कार्य कि भारत गोन्से ओक्सेनेक कार्यित का मूलक करने की तरफ का तर्य है। तर्याने कर्य, उपमें विकान था तम के तो कुई तर्मेंच की भूमिक्स बीट्र अत्याद है। देश की अनुसंकान या न्याचार का विदेशक का प्रकृतिकान या न्याचार का विदेशक का एवं प्रोतीकार्य में अनुसंकार को प्रकारित कर्म कार्योक्षित्र में अनुसंकार को प्रकारीय कर्म कार्योक्ष्य में अनुसंकार को प्रकारीय

प्रोत्स पार्च विकास को विद्यान्त्री त्यां के व्यक्ति को विद्यान्त्री विकास को विद्यान्त्री की व्यक्ति के व्यक्ति का व्यक्ति का व्यक्ति का व्यक्ति का व्यक्ति का विकास का व्यक्ति का विकास का



का कार ताल वाहे के स्व अनुवार पीता कर्या होते हैं - पात्र कोरे, प्रकाशने वैज्ञानिक संस्थानों के निर्माण की प्रक्रिया करनी होगी सरस्त प्रकाशने के स्व क्षेत्र के स्व प्रकाशने के जीवा वे अनुवार के स्व हैं के स्वक्रिय स्वार्थ ने विक्

के बाद से विद्यान-प्रीतीशिको में शिवेश हुई है। भाग जब जबन, जब किसन, वैशिवक नवाचन सुचकांक छैं।

लिए नवादार पर दें जीर प्रान्धे के किए कर पाना की को है कि के कात्रकार के किए काव्यक कर केर प्रमंत्र किए राजी की दम केर में अर्जुगर मीटियां करती होती। महित्स करती की दम केर में

अंतरिक्षा, समुद्र, हर क्षेत्र में बढ़ रहा । के व का को अके किया हो व को कहा है का उन्हें कुरक पूर्व किया हो व के के कहा मिल हाईका किया है व के किया है के किया है के के से किया कर के हैं की रेड को को का के हैं मान्काया में पहाल जाएं किहार-

मानुधाया में पहाए जाएं विहान-प्रीहानिकी के बाद पेटी ने बात, विहान-प्रीवीको के बाद पेटी के बात, विहान-प्रीवीको के बाद विहानिका करा वर्ष व्यक्तिकार करा वर्ष

बाहर एडें केइ-एम्ब विद्यान कॉन्फॉल में देश से बड़े नक्त कि और झाम्बंद का से: इसके तिन राजनीतिक कार्यों को विस्केदर सार

Hindi

Bureau



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 Amar Ujala
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 Journalist

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 10/09/2022
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पीएम आज केंद्र-राज्य विज्ञान सम्मेलन का करेंगे उद्घाटन

नई दिल्ली। प्रधानमंत्री नरेंद्र मोदी शनिवार सुबह 10:30 बजे वीडियो कॉन्फ्रेंस के जरिये



दो दिवसीय केंद्र-राज्य विज्ञान सम्मेलन का उद्घाटन करेंगे। पीएमओ के मुताबिक सम्मेलन का उद्देश्य सहकारी संघवाद के जिरये केंद्र-राज्य के बीच समन्वय व

सहयोग तंत्र मजबूत बनाना और देश में विज्ञान, प्रौद्योगिकी और नवाचार के लिए एक सशक्त पारिस्थितिकी तंत्र का निर्माण करना है। सम्मेलन का आयोजन साइंस सिटी, अहमदाबाद में किया जाएगा। ब्यूरो



 Publication
 Mint
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 English

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 Swati Luthra

 Date
 12/09/2022
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 8



Dr Jitendra Singh, union minister of state for science and technology.

OF HT

Ministry of science to set up dashboard

r Jitendra Singh, union minister of state for science and technology announced the set-up of dashboards to enable the sharing of the best technology practices among the centre and the states. Presiding over the concluding session of the two-day "Centre-State Science Conclave" in Ahmedabad, the minister said that a high-level mechanism will be developed by the department of science and technology to monitor and coordinate the follow up action of the conclave. Singh also asked the states to appoint a nodal officer each, to coordinate and cooperate with the special committee to know and share the best practices. The minister said that the states of Rajasthan, Gujarat, Punjab and Haryana were taken up for this latest heli-borne survey. He added that this will also positively contribute to Prime Minister's "Har Ghar Nal Se Jal" as well as "doubling farmer's income" goals. SWATILUTHRA



Financial Express Language Edition New Delhi Journalist 17/09/2022 Date Page no

English Bureau

Science & tech dashboard to monitor projects

FE BUREAU New Delhi, September 16

THE DEPARTMENT OF Sci-THE DEPARTMENT OF Sci-ence & Technology (DST) on Thursday launched a dash-board for countrywide moni-toring and feedback to ensure effective implementation of projects, schemes, scholar-ships and fellowships funded by the department. "The most important out-come of this dashboard is that the department is made-aware of the outputs and outcomes of the decisions taken, projects funded or scholarship/fellow-ship awarded regularly and in

prompted based on the data analysis done through dash-boards, "Singh said.

The minister said, through the dashboard, details of each of the schemes and programmes for any group in everystate can be accessed on a real-time basis and remedial measures, if any, can be taken promptly.

Impact analysis of the schemes and scholarships both age-wise and genderwise for SC/ST/OBCs and general castes is embedded in the dashboard for suggesting reformative mea-

a user-friendly manner," science and technology minister literata Singh said launching the dashboard. Singh said analysis done through dashboard. Singh said. The minister said, through dashboard por ST to 2,768 agencies in 35 states and union territories every single minute detail is available on the dashboard. "The dashboard shabled decisions. "Many special calls have been taken on programmes seeing the gaps in the outerach of the programmes and in many programmes midousse corrections have been

DST dashboard to track fund use in real time

OUR BUREAU

New Delhi, September 15

The Department of Science and Technology (DST) has set up a dashboard to monitor utilisation of fund and obtain feedback to ensure effective implementation of projects, schemes, scholarships and fellowships.

Minister of State (Independent Charge) Jitendra Singh unveiled the dashboard on Thursday. "It contains every single minute detail of over ₹20,000 crore disbursed by DST to 2,768 Agencies in 35 States/UTs in the last five years," he said while calling for a common dashboard for all Science Ministries and Departments.

Reformative measures

He said that through the dashboard, details of each of the schemes and programmes for any group in every State can be accessed on a real-time basis and remedial measures, if any, can be taken promptly.



Minister of State (Independent Charge) Jitendra Singh

He said, the impact analysis of the schemes and scholarships, both age-wise and gender-wise, for SC/ST/OBCs and general castes is embedded in the dashboard for suggesting reformative measures to States, if any.

Though this dashboard is in compliance with the directives of NITI Aayog issued in February 2021, the Minister pointed out that DST had established a similar set-up - Data Management Cell with the same objectives in January 2019.

JNCASR's novel molecule prevents obesity in mice

Currently, there are no reliable drugs available for obesity and its associated disorders





Publication The Hindu Language English Edition Tapas K Kundu, Aditya Mumbai Journalist Bhattacharya Date 11/09/2022 Page no 11

JNCASR's novel molecule prevents obesity in mice



Publication The Hindu English Language Edition Kochi Journalist Tapas K Kundu, Aditya Bhattacharya 11/09/2022 Date Page no

JNCASR's novel molecule prevents obesity in mice

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Publication The Hindu English Language Edition Tapas K Kundu, Aditya Chennai Journalist Bhattacharya

Date 11/09/2022 17 Page no

JNCASR's novel molecule prevents obesity in mice

Currently, there are no reliable drugs available for obesity and its associated disorders





Hindustan Times Language
New Delhi Journalist
17/09/2022 Page no

English Bureau

TDB-DST supports indigenous manufacturing

Technology Development Board, a statutory body under Department of Science and Technology, GoI supports M/s Ghaziabad Precision Products Private Limited for encouraging manufacturing of indigenous components critical to SU-30MK1 aircraft & 1500 HP battle tank engine. TDB has approved financial assistance of Rs 5.5 crores for the project. Rajesh Kumar Pathak, Secretary, TDB shared, "To help in the development of indigenous manufacturing ecosystem under 'Make in India' initiative, TDB has been supporting many imported technologies for wider domestic applications to enhance the local capacity building for such critical machine components. This project is one such initiative for Defence sector."

Gangotri glacier retreated by 1,700m since '35: Study

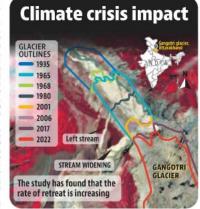
Neeraj Santoshi

DEHRADUN: The Gangotri gla-cier in the Uttarakhand Himala-yas, from where the Ganga river originates, retreated by 1,700 metres between 1955 and 2022, a study by Wadia Institute of Him-alayan Geology, Dehradun, has found, attributing it to reduced snowfall and more rain, apart from rising temperature in the upper reaches of the Himalayas. Worryingly, the study has also found that the rate of retreat is increasing.

increasing. According to various studies, the mean glacial retreat rate between 1935 and 1996 was 20 between 1935 and 1996 was 20 metres per year which has increased to up to 38 metres per year after that. The studies show that the retreat has further gained steam, with Gangotri retreating by about 200 metres in the past decade or so.

Rakesh Bhambri, a scientist at the central accentment of the control of the control of the control of the central accentment of the central accen

Rakesh Bhambri, a scientist at the central government-run institute and lead author of the yet-to-be-published study said heir fresh estimation of the retreat is based on the comparison of the 1935 map of the Geological Survey of India (GSI) with the current situation in the region. "Our fresh estimation shows that the glacier has retreated by 1700 metres, and its retreat rate is increasing," he said. He added that the retreat the has been increasing with every passing decade and if the present retreat rate continues, it nt retreat rate continues, it present retreat rate continues, it will take about 1,500 years for the entire Gangotri glacier to melt. "But this can't be accurate as we don't know how contrib-uting factors like temperature



and rainfall and snowfall will change in the coming years. The decline in the glacial mass, which we are studying currently, will give us a more accurate esti-

will give us a more accurate estimation in the coming time."
Gangotri is the largest glacier in Uttarakhand Himalayas, with alength of around 30 kms, width of 0.5 to 2.5 km and an area of around 143 sq km. The melt water from glacier, that emerges at its snout at Gaumukh at a height of 3.950 metres, is source of Bhagirath River, which later meets Alaknanda River to form Ganga at Devprayag.

Ganga at Devprayag.

In March , Centre informed
Rajya Sabha that the Gangotri
glacier had lost nearly 0.23

square kilometre area in 15-year

square knometre area in 15-year period (2001-2016). Kireet Kumar, scientist at Almora-based G.B. Pant Institute of Himalayan Environment and Development, who has also stud-

Development, who has also studied the Gangotri glacier area said that over the last decade, the average rate of retreat of the Gangotri glacier has been around 12 to 13 metres a year. "The average temperature change in higher reaches of the Himalayas is more compared to the global average. This coupled with changes in rainfall and snowfall pattern is contributing to the glacial retreat and decline in the overall mass of the Gangotri glacier".



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 The Pioneer
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 English

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 Bureau

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 25/09/2022
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SUGAR-COATED POUCHES IN BODY FLUIDS TO DETECT CANCER

Detection of the cancer microenvironment may soon become much easier with the help of a new molecular biosensor recently developed by a team of India scientists. Cancer cells secrete small pouches, namely extracellular vesides (EV) covered with sugar molecules, Hyaluronan (HA), which has a direct link to tumour malignancy and is considered a potential biomarker for early diagnosis of colon cancer.

These EVs are abundant in body fluids (blood, faeces, etc.), and all types of cells secrete these EVs into the extracellular matrix. Cancer cells secrete at least two times more EVs into the body fluids than normal cells). Therefore, these EVs could be isolated noninvasively from a patient's body for early cancer diagnosis.

Dr. Tatini Rakshit laborato-

Dr. Tatini Rakshit laboratory, supported by Inspire faculty grant of the Department of Science and Technology (DST), at Shiv Nadar Institute of Eminence, Delhi, in collaboration with S. N. Bose National Centre for Basic Sciences (SNBNCBS), Kolkata, Saha Institute of Nuclear Physics, Kolkata and IIT Bhilai, Chhatisgarh has unravelled the contour lengths of HA on a single cancer cell-derived EV surface.

Their study showed that a

Their study showed that a single cancer cell-derived EV is coated with very short chain HA molecules (contour length less than 500 nanometers) using single molecule techniques and elucidated that these short-chain HA-coated EVs are significantly more elastic than the normal cell-derived EVs. This intrinsic elasticity of HA-coated EVs in cancer helps them to withstand multiple external forces during extracellular transportation, uptake, excretion by cells, adhesion to cell surfaces, etc.

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The study has been
published in Physical Chemistry
Letters.

New initiatives to increase women researchers in Science and Tech

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To improve gender ratio in the science and technology research areas, the government has launched schemes such as KIRAM and Women Scientist Schemes Sciences and Technology at the schemes with a scheme such as KIRAM and Women Scientist Schemes with the science from Mechanists Schemes with the school level. Also, a significant increase has been observed in the percentage and Technology at the school level also, a significant increase has been observed in the percentage of women in proportion of female researched in the percentage of women in concentration at the school level and the percentage of women in concentration at the school level and the percentage of women in concentration at the school level and the percentage of women in concentration at the school level and the percentage of women in concentration at the school level and the percentage of women in concentration at the school level and the percentage of women in concentration at the school level and the percentage of women in percentage with 10% of the school level and the percentage of women in percentage in the science of the school level and the percentage with 10% of the science of the school level and the percentage of women in percentage with 10% of the science of t

Indian experts develop way for early detection of colon cancer

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New Delhi: Indian scientists New Delhi: Indian scientists have developed a technique that can detect small pouches covered with sugar molecules that are secreted by cancerous cells that will help in detection of colon cancer and its early diagnosis.

The small pouches namely extracellular vesicles (EV) covered with sugar molecules are called Hyaluronan (HA), which has a direct link to

are called Hyaluronan (HA), which has a direct link to tumour malignancy. These EVs are abundant in body fluids (blood and faeces), and even all types of cells secrete these EVs into the extracellular matrix. These EVs could be isolated non-invassively from a patient's national content of the country of t nvasively from a patient's body for early diagnosis of cancer.

Dr Tatini Rakshit labora-Dr Tatini Rakshit labora-tory, supported by INSPIRE Faculty grant of the science and technology department at Delhi-based Shiv Nadar In-stitute of Eminence in collaboration with S N Bose National Control for Pagic Sci. National Centre for Basic Sciences, Kolkata, Saha Institute of Nuclear Physics, Kolkata, and IIT-Bhilai, has unravelled

and IIT-Bhilai, has unravelled the contour lengths of Hyaluronan on a single cancer cell-derived EV surface using single-molecule force spectroscopy.

The study has been published recently in the Journal of Physical Chemistry Letters. These findings show how sugar-coated pouches increase the risk of cancer progression.