

**RECENT NEWS COVERAGE OF TECHNOLOGY INCUBATION CENTRE ON MUSHROOM
BODOLAND UNIVERSITY
ONLINE , OFLINE & NEWS PAPER CUTTING**

LINK AND INFORMATIONS OF THE ONLINE AND OFFLINE PAPERS

Sl. No	Name of News Agency	Link	Date
1	The Hindu (English)	https://www.thehindu.com/news/national/other-states/university-in-assam-develops-fungal-shield-against-coronavirus/article31695532.ece	29/05/20
2	AssamiyaPratidin (Assamese)	https://www.asomiyapratidin.in/bodoland-university-mushroom-news/	30/5/20
3	Etvbharat (Assamese)	https://www.etvbharat.com/assamese/assam/state/kokrajhar/organic-senitazation-tunnel-productions-bodoland-university-kokrajhar/assam20200515164242880	15/05/20
4	Ishan News (Assamese)	Video News	15/05/20
5	Eastern Chronicle Guwahati Edition (English)	https://www.easternchronicle.net/index.php?archive=17.05.2020&city=2#	17/05/20
6	Assam Tribune (English)	http://www.assamtribune.com/scripts/detailsnew.asp?id=may2420/state064	24/05/2020
7	Agroduct News (Assamese)	OFFLINE	19/05/2020
8	Dainik Jugoshanga (Bengali)	https://epaper.jugasankha.in/2692880/SILCHAR-EDITION/SILCHAR-EDITION#page/8/1	30/05/20
9	Pratidin Times (Assamese)	Two Videos News	15/05/20
10	Bongaigaon Times (English)	Facebook Page, Videos https://www.facebook.com/officialbongaigaontimes/videos/249923822882101/	06/05/20
11	The Northeast Journal (English)	Facebook Page, Video & News https://www.facebook.com/thenortheastjournal/videos/2698798937006637/	17/05/20
13	The Sentinel (English)	https://www.sentinelassam.com/north-east-india-news/assam-news/bodoland-university-develops-super-mushroom-for-boosting-immunity-during-pandemic-479914	31/05/2020
14	NorthEast Now (English)	https://m.dailyhunt.in/news/india/english/north+east+now-epaper-northeast/assam+bodoland+varsity+develops+super+mushroom+to+boost+immunity-newsid-n188099250?ss=pd&s=a	31/05/2020
15	Doinik Axom(Assamese)	Print	4/06/2020
16	AmarAxom (Assamese)	Print	5/6/2020
17	Dainik Jugoshanga (Bengali)	Print	6/6/2020
18	IASBABA (English)	https://iasbaba.com/2020/06/bodoland-university-develops-fungal-powder-to-boost-immunity/	
19	www.northeastcentral.in (English)	https://www.northeastcentral.in/single.php?id=145&catname=Assam&title=Bodoland-University-has-developed-a-fungal-powder-to-help-people-boost-their-immunity-to-disease	
20	AmarAxom (Assamese)	PRINT	9/6/2020
21	Hayunani Radab (Boro Language)	PRINT	9/6/2020
22	BODOSA (Boro Language)	PRINT	9/6/2020

23	The Arunachal Times	http://arunachaltimes.in/index.php/2020/06/18/bu-develops-cultivation-and-process-technology-for-cordyceps-militaris/	17-6-2020
24	The Himalayan Darpan	http://epaperhimalayadarpan.com/ArticlePage/APpage.php?edn=&articleid=HIMALAYADA_SIL_20200623_4_15&artwidth=229px	23-6-2020
25	India Science and Innovation Weekly ..Embassy of India, Berne, Switzerland	file:///C:/Users/SD/Downloads/1591800981India%20Science%20and%20Innovation%20Weekly%2001%20June%202020.pdf	1-6-2020
26	Dapon	Print (Agricultural Development)	Not Known
27	Bodoland Daithun	Print	Not Known
28	The Sentinel	Print	18/9/2018
29	The Bodoland Express	Online and Print	9/06/2020
30	Sikkim Express (online)	http://epaper.sikkimexpress.com/Home/PopUp/?url=%2Fuploads%2Fimage_details%2F2020-06-28%2F202006280935334.jpg&category=0&date=2020-06-28&button=	28-06-2020
31	Drishti IAS	https://www.drishtias.com/daily-updates/daily-news-analysis/fungal-powder-to-boost-immunity	29/05/2020
32	Indianapidnews.com	https://indiansapidnews.com/india/assam-varsity-develops-fungal-powder-to-boost-immunity/	28/05/2020
33	Northeastcentral.in	https://www.northeastcentral.in/single.php?id=145&catname=Assam&title=Bodoland-University-has-developed-a-fungal-powder-to-help-people-boost-their-immunity-to-disease	28/05/2020
34	TOI, Chandigarh	https://timesofindia.indiatimes.com/city/chandigarh/room-for-innovation-these-super-mushrooms-will-fetch-farmers-8l-per-kg/articleshow/76822046.cms	07/07/2020
35	The Shillong Times	http://epaper.theshillongtimes.com/epapermain.aspx?pgno=4&eddate=2020-7-07&edcode=820009	07-07-2020
36	The Newsmove	https://newsmove.in/super-mushroom-to-boost-immunity-assams-bodoland-universitys-remarkable-feat/	10-07-2020
37	LOCALWIRE (ODISHA)	https://localwire.me/odisha-can-benefit-from-immunity-booster-super-mushroom-says-researcher/	14-07-2020
38	Tripura Times	http://www.tripuratimes.com/Default2.aspx	17-7-2020
39	TheNorthEast Journals	https://www.facebook.com/thenortheastjournal/posts/889240628251954	8-7-2020
40	TheBetterIndia	https://www.thebetterindia.com/233661/assam-scientist-shares-how-to-grow-super-mushrooms-worth-over-rs-2-lakh-kg-ang136/	25-7-2020
41	TheSanghaExpress	https://www.thesanghaexpress.com/Encyc/2020/7/23/BU-develops-fungal-powder-to-boost-immunity.html	23-7-2020
42	The Imphal Times	https://www.imphaltimes.com/pdf/2020/July/16%20July.pdf	16-7-2020
43	The Shillong Times	http://epaper.theshillongtimes.com/epapermain.aspx?pgno=6&eddate=2020-8-02&edcode=820009	2-8-2020
44	Eenadu (Telegu)	https://www.eenadu.net/sundaymagazine/article/320000720	16-8-2020
45	Etv Telegu	https://www.etvbharat.com/telugu/telangana/city/hyderabad/these-mushrooms-cost-rs-2-lakh-per-kg/ts20200823110535928	22-8-2020
46	Daily Desher Katha	http://www.dailydesherkatha.net//index.php?mod=1&pgnum=1&edcode=71&pagedate=2020-08-30&type=r http://www.dailydesherkatha.net/epaperimages/30082020/30082020-MD-HR-5.PDF	30-8-2020

LINK OF YOU TUBE TUTORIALS

1	https://youtu.be/w0YIIgakAck	Link For Tutorial of Face mask
2	https://youtu.be/j5HwJrv4sLw	Link For Tutorial of Sanitizer
3	www.axombazar.com	Link for AxomBazar
4	https://youtu.be/bd4nV0dAiXE	Link For Unmanned LED/Laser assisted Sanitization Tunnel
5	https://youtu.be/2N8Sh3Gf0GA	Link For Low Cost PPE assisted by External aerator
6	https://youtu.be/hcL4LUXC-Nc	Link For Foot Bases Sanitizer Dispenser
7	https://youtu.be/0_Bi_4GzRnc	Link For Two in One Physical Cum Chemical Sanitization Box

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Sl No	NAME, 1 ST PAGE & CONCERNED PAGE (NEWS)
1	THE HINDU

final round of... plied free to players by all... the 14-day quarantine rule... adjusted to 60 pounds on... less deviation due to wind. A... said Verma... Jean Todt.

Assam varsity develops fungal powder to boost immunity

Scientists say the product was made by freeze-drying a 'super mushroom' cultivated in Bodoland University

RAHUL KARMAKAR
GUWAHATI

Bodoland University, one of Assam's youngest universities, says it has developed a fungal powder to help people boost immunity during the time of a global pandemic.

The powder is from a parasitic but rare "super mushroom" called *Cordyceps militaris*.

Like most other universities and specialised institutions with a biotechnology laboratory, Bodoland University (BU) worked on the best protective equipment for the nose and hands of persons following the COVID-19 outbreak. It also looked at ways to fight the virus by boosting a person's immunity.

The outcome was a potent pinch of *C. militaris*, powdered through lyophilisation

Untiring effort: The Bodoland University's Department of Biotechnology team display their innovations and, right, lab-grown *Cordyceps militaris*. •SPECIAL ARRANGEMENT

or freeze-drying at -80°C.

The earth has more than 400 species of *Cordyceps*, a fungus parasitic on insects as well as other fungi. Often referred to as a super mushroom, *Cordyceps* known for its anti-ageing, anti-viral, energy and immunity-boosting effect.

"Natural *Cordyceps* is hard to get and if dried, costs at least ₹8 lakh per kg. Our lab has been growing *C. militaris* since 2017 at a fraction of the cost," said Sandeep Das, Dean of BU's faculty of Science and Technology.

He also heads the Technology Incubation Centre on Mushrooms that is funded by the Central government's Department of Biotechnology, in the partly-completed BU

— the fungal immunity booster, a membrane mask that costs less than ₹4 per unit, herbal and alcohol-based sanitisers, laser and LED-assisted unmanned sanitisation tunnel, a low-cost physical-cum-chemical sanitisation box and a PPE kit with an aquarium aerator.

Kokrajhar district's former Deputy Commissioner P.P. Mazumdar issued them a special travel pass while Inspector-General of Police Anurag Agarwal facilitated access to alcohol and an assortment of herbs for their research.

"We made small paper pouches, each containing 150 mg of the super mushroom powder and distributed it free to about 500 people, many from nearby villages, while handing out herbal and alcohol-based

sanitisers and masks. The dose ideally is once a week for making the system strong enough to resist viral attack," Mr. Das told *The Hindu*.

The Department of Biotechnology has ordered capsules in two sizes from a firm based in Nashik, Maharashtra.

The consignment is expected to reach BU soon.

Each capsule containing the powdered super mushroom would cost ₹120 if produced commercially.

But the university wants to make it affordable for the common man.

"Our university is almost a pioneer in lab-growing *Cordyceps*. The least I could do is make the paperwork fast to let a passionate team innovate," said Laishram Ladu Singh, BU's Vice-Chancellor.



BodolandChronicle

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Bodoland varsity creates automatic biological sanitizer tunnel

Laudable efforts by NGO for protection from attacks of wild herds of elephants in Missapur

automatic biological sanitizer tunnel



ing them the biological sanitizer has been made. He informed that people entering the Bodoland

University are sanitized after they walk inside the tunnel with the help of laser beams connected in the automatic tunnel placed near the gate of the University.

He also informed that under the aegis of the University, Masks, PPE kits, Hand Sanitizers, and special sanitizer boxes for the Police Force is also being made. In the meantime the police, CRPF, security forces and the other COVID-19

warriors on the event of their battle against the virus are getting good results with the use of the preventive materials made under the aegis of Bodoland University and accordingly the demand of the materials are also gaining.

During the lockdown the creative innovations of the Biotechnology department of the Bodoland University has also been rendering confidence among the Corona Warriors.

Newspaper masthead for 'The Assam Tribune' including date (GUWAHATI, SUNDAY, MAY 24, 2020), price (₹ 6.00), and various news headlines such as 'Fear stalks people living near quarantine centres', 'Sikkim reports first COVID-19 case', and 'Massive spike in COVID-19 cases'.



Discarded packets workers jostle for space in their bid to grab food packets distributed by NGOs at the Police Ground in Bongaigaon on Sunday.

STAFF REPORTER

GUWAHATI, May 23: Seventy new cases took the COVID-19 tally in Assam to 329 as the biggest one-day spike reduced the doubling rate in the State to less than three days. The previous doubling rate was six days when the cases jumped from 80 to 160.

returning in buses and trucks." Sarma said. Noting that many of the returnees got infected during their return journey, he also wondered how other states were allowing people to return in crowded buses.

Total cases in State jump to 329

norms. Originating states should not allow movement of such vehicles," the minister said. Meanwhile, the Mahendra Subbarao Charolitary Hospital here has announced its capacity to admit COVID-19 patients. Following the de-optimization, the State health department has converted the Kalpalahar TB Hospital to a fully functional COVID-19 facility.

Bodoland varsity assisting govt in fight against COVID-19

SIVASISH THAKUR

GUWAHATI, May 23: The Dept of Biotechnology (Govt of India)-sponsored Technology Incubation Centre, Bodoland University, Kokrajhar, has assisted the government authorities and the common masses in their resistance to the Covid-19 contagion through large-scale production of low-cost face masks, hand sanitizers, portable sterilization kits, etc. The interventions came particularly handy for the frontline soldiers including medical staff, cleaners, police, army, etc., during the initial phase of the lockdown which witnessed a paucity of such materials.

In addition, it came up with a holistic

solution to do away with the lockdown-induced constraints afflicting local agro producers and consumers and facilitating online door-to-door delivery of products to consumers.

"We identified major agro producing villages such as Bhowraguri, Maktaigaon, Basbari, Khantalguni Joima, Salakati, Bandarchara and Nayarchora. The farmers were constrained to dispose of their mature produce while on the other hand, people were finding it very hard to arrange for fresh and hygienic vegetables at reasonable prices. Our Axombazar.com provides door-to-door delivery of fresh vegetables after pooling the produce of the rural farmers. The citizens can place the order of the perishable products

online with cash-on-delivery basis," Prof Sandeep Das, Head of the Dept of Biotechnology, Bodoland University, told *The Assam Tribune*.

The service model is popularly known as F2C (farmer to consumer) model.

Prof Das said that the department as part of its efforts to combat the contagion collaborated with the Kokrajhar district administration and police.

"The unprecedented situation triggered a huge demand for masks, sanitizers and PPEs. From the common man to those at the forefront of the Covid-19 battle, masks and sanitizers were an urgent need. Our laboratory initiated the production of low-cost membrane face mask, hand sanitizers, portable two-in-one physical-cum-chemical

sterilization boxes, webpage for online shopping and LED/LASER-assisted unmanned sanitization tunnel," he added.

Around 1,400 handmade face masks have been made and distributed while about 900 litres of hand sanitizers (5,350 bottles of different volumes) have been distributed.

"We have made a two-in-one sanitization box, with 20 more under progress as is one LED/LASER-assisted unmanned sanitization tunnel," he added.

The hand sanitizers developed by the varsity are in two formulations - one based exclusively on WHO directive while the other based on WHO directive and supplemented with herbal components.

In yet another innovation, the varsity has developed Cordyceps capsules from a super mushroom well known for its immune-modulating effect, anti-aging, anti-viral as well as energy booster effect.

"These virtues are experimentally well established. The Cordyceps mushroom variety is very expensive at Rs. 8 lakh per kg dry weight but our Technology

Incubation Centre has been cultivating this mushroom in laboratory conditions since 2017 and is a pioneer in the field," he said.

Prof Das added that during the ongoing crisis, their team had been able to provide Cordyceps powder for the frontline soldiers staffs. "It is also being distributed free among civilians and its capsulation process is in progress," he said.

অগ্রদূত

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৫: নগ্নাডামছন জৰিয়াদ্ধাণী আৰু কৰ'না মহামাৰী

১১ খেলুৱৈৰ বিদেশ যাত্ৰা বন্ধ কৰিলে এথলেটিকছ সন্থাই

8 জীয়াই থকাৰ নামেই জীৱন

থা চুবুৰিৰ
না ব্যক্তিৰ
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নখা পালে
বৰ সহায়ত
সংগ্ৰহ কৰি
ৰীক্ষাগাৰলৈ
থ্যে বিগত
ক্ষা কৰি
গাথু কেন্দ্ৰৰ
লাকক হোম
গৰ পৰামৰ্শ
ত, দুগৰাকী
ক নলবাৰী
গয়লৈ প্ৰেৰণ
নজাৰ মৃগেন

গোবিন্দপুৰ অঞ্চলৰ প্ৰায় তিনি হেজাৰ
পৰিয়ালৰ মাজত বিশুদ্ধ খোৱা পানী
যোগান ধৰাৰ লক্ষ্যৰে পানী যোগান
আঁচনিখন স্থাপন কৰা হৈছিল। কিন্তু
বিভাগীয় কৰ্তৃপক্ষৰ হেমাৰ্হিৰ বাবেই মাত্ৰ

খোৱা আৰম্ভ কৰাত অঞ্চলব্যাপী
পৰিৱেশৰ সৃষ্টি হৈছে। ইপিনে, প্ৰতি
৩০খনকৈ দুৰ্গন্ধময় ব্ৰয়লাৰ মুগীৰ
পানী ওচৰতে থকা পুখুৰীত পি
অঞ্চলটো দুৰ্গন্ধময় কৰি তুলিছে।

বড়োলেণ্ড বিশ্ববিদ্যালয়ত স্বয়ংক্ৰিয় জৈৱিক ছেনিটাইজাৰ টানেল নিৰ্মাণ

অধাদুত বাৰ্তা
কোকৰাঝাৰ, ১৬ মে' : অত্যধিক পৰিমাণে ৰাসায়নিক ছেনিটাইজাৰৰ
ব্যৱহাৰে মানৱ দেহৰ ক্ষতি হোৱাৰ সম্ভাৱনীয়তাৰ প্ৰতি লক্ষ্য ৰাখি
বড়োলেণ্ড বিশ্ববিদ্যালয়ৰ জৈৱ প্ৰযুক্তি বিভাগৰ উদ্যোগত নিৰ্মাণ কৰা হৈছে।
সম্পূৰ্ণভাৱে জৈৱিক ছেনিটাইজাৰ। জৈৱ প্ৰযুক্তি বিভাগৰ উদ্যোগত নিৰ্মাণ
কৰা উক্ত টানেলটো সম্প্ৰতি বড়োলেণ্ড প্ৰৱেশদ্বাৰৰ প্ৰায় লগতে স্থাপন কৰা
হৈছে আৰু বিশ্ববিদ্যালয়ত প্ৰৱেশ কৰা সকলোৱে টানেলত সোমাই
ছেনিটাইজ হৈছে। বড়োলেণ্ড বিশ্ববিদ্যালয়ৰ ফেকাল্টি অৱ ছাইঞ্চ এণ্ড
টেকন'লজী বিভাগৰ ডীন সন্দিপ দাসে সদৰী কৰা অনুসৰি তেওঁলোকে
কিছুমান ঔষধী গুণসম্পন্ন উদ্ভিদ যেনে বেল, মছন্দৰী, নিম, ক'লা তুলসী,
নৰসিংহ, শকুনিলতা আদিকে ধৰি আন কে'বাপ্ৰকাৰৰ উদ্ভিদ, ফলমূলক
লেব'ৰেটৰীত বিশেষভাৱে সংমিশ্ৰণ কৰি জৈৱিক ছেনিটাইজাৰ প্ৰস্তুত
কৰিছে। উক্ত ছেনিটাইজাৰৰ যোগেদিয়ে বড়োলেণ্ড বিশ্ববিদ্যালয়ৰ
প্ৰৱেশদ্বাৰত স্থাপন কৰা লেজাৰ বীম সংলগ্ন সম্পূৰ্ণ স্বয়ংক্ৰিয় টানেলৰ
জৰিয়তে বিশ্ববিদ্যালয়ত প্ৰৱেশ কৰা লোকসকলক ছেনিটাইজ কৰা হয়।
তদুপৰি বিশ্ববিদ্যালয়ৰ উদ্যোগত মাৰু, পিপিই কিট, হেণ্ড ছেনিটাইজাৰ আৰু
আৰক্ষীৰ বাবে বিশেষ ছেনিটাইজাৰ বাকচো নিৰ্মাণ কৰিছে। ইতিমধ্যে
আৰক্ষী, চি আৰ পি এফ, সেনাবাহিনীয়ে বড়োলেণ্ড বিশ্ববিদ্যালয়ৰ উদ্যোগত
ক'ভিড-১৯ প্ৰতিৰোধী যুঁজৰ বাবে নিৰ্মাণ কৰা সা-সামগ্ৰীসমূহ ব্যৱহাৰ কৰি
সুফল পাইছে আৰু চাহিদাৰ বৃদ্ধি পাইছে। তলাবন্ধ সময়তে বড়োলেণ্ড
বিশ্ববিদ্যালয়ৰ বায়'টেকন'লজী বিভাগৰ দ্বাৰা এনে সৃজনীমূলক উদ্ভাৱনে
কৰ'না যুঁজৰ যোদ্ধাসকলক সাহস প্ৰদান কৰিছে।



**তিনি
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ৰক্ষী থানাৰ
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ৰ দল এটা
ৰ লগতে
ৰ কৰে।
গাঁও

S. Das

RNP/GH-075/2018-2020 ■ REGN. NO. 11335/2003

e-paper: www.asomyipratidin.in

e-mail: ■ asomyipratidin@yahoo.co.in

অসমীয়া
প্ৰতিদিন

অসমীয়া প্ৰতিদিন

আজিৰ কাকত ১৬ পৃষ্ঠাৰ

১৭শ বছৰ ■ সংখ্যা ২০৬ ■ ১৬ জেঠ, ১৯৪২ শক, শনিবাৰ, ৩০ মে' ■ ASOMIYA PRATIDIN ■ MAY 30, 2020 ■ ওয়াহাটী, বঙাইগাঁও, ত্ৰিপুৰা আৰু লখিমপুৰৰ পৰা প্ৰকাশিত ■ ছেটেলাইট সংস্কৰণ / Banglaizon Edition ■ মূল্য ১.০০

দ্বিতীয় কাৰ্যকালৰ প্ৰথম বৰ্ষপূৰ্তিত প্ৰধানমন্ত্ৰী
বিশ্বৰ আৰ্হিকপে

কোৰোনাৰ বিত্তীষিকা
ৰাজ্যত মৎসক্ৰমিত সহস্ৰাধিক

কোৰোনাক জিনিবলৈ
জীৱনক নতুনকৈ সজাওক

অলিম্পিক দৌৰবিদৰ সফনতাৰ কাৰক বহুমূলীয়া 'কৰ্ডিচেপ মিনিটাৰিছ'

বড়োলেণ্ড বিশ্ববিদ্যালয়ত দুস্থপ্ৰাপ্য কাঠফুলাৰ উৎপাদন

প্ৰতিদিন বিশেষ সংবাদ, কোক্ৰাঝাৰ, ২৯ মে' ৪ উত্তৰ-পূবত প্ৰথমবাৰৰ বাবে বড়োলেণ্ড বিশ্ববিদ্যালয়ৰ জীৱ-প্ৰযুক্তি বিভাগে পৰীক্ষাগাৰত কাঠফুলা উৎপাদন কৰিবলৈ সমৰ্থ হৈছে। বড়োলেণ্ড বিশ্ববিদ্যালয়ৰ জীৱ-প্ৰযুক্তি বিভাগে পৰীক্ষাগাৰৰ কৃত্ৰিম পৰিবেশত প্ৰস্তুত কৰা উক্ত মূল্যবান কাঠফুলাবিধৰ বৈজ্ঞানিক নাম হ'ল কৰ্ডিচেপ মিনিটাৰিছ। স্নাতক দুস্থপ্ৰাপ্য বুলি পৰিচিত এইবিধ কাঠফুলাৰ বজাৰমূল্য প্ৰতি কিলোগ্ৰামত ৫ লাখৰ পৰা ১০ লাখ টকাৰপৰ্যন্ত হয়। তিব্বত, নেপাল, ভূটান আৰু ভাৰতৰ কিছু পাহাৰীয়া এলেকাত হোৱা এইবিধ কাঠফুলা ভাইৰাছজনিত ৰোগ, হৃদৰোগ, যকৃতৰ অসুখ, বক্তহীনতা, পুৰুষৰ হৌন সমস্যা আদিকে ধৰি বহু ৰোগৰ চিকিৎসাৰ বাবে ব্যৱহাৰ কৰা হয়। বেইজিং অলিম্পিকত বিশ্ব অভিলেখ সৃষ্টি কৰা দুগৰাকী দৌৰবিদৰ সফলতাৰ আৰম্ভ এইবিধ কাঠফুলা অন্যতম কাৰক আছিল বুলি সেই সময়ত তেওঁলোকৰ প্ৰশিক্ষকে সদৰী কৰিছিল। বহু দেশৰ ৰাষ্ট্ৰপ্ৰধানৰ খাদ্য তালিকাত এইবিধ কাঠফুলাৰ স্থান পাই আহিছে। বড়োলেণ্ড বিশ্ববিদ্যালয়ৰ পৰীক্ষাগাৰৰ কৃত্ৰিম পৰিবেশত এইবিধ সামগ্ৰী উৎপন্ন কৰিবলৈ সমৰ্থ হোৱাটোৰে আশাৰ বতৰা কঢ়িয়াই আনিছে। ইয়াৰ জৰিয়তে ভৱিষ্যতে অধিক উৎপাদনেৰে নিবনুৱা সমস্যা দূৰীকৰণত সহায়ক হ'ব বুলি 'ফেকাল্টি অব ছায়েন্স এণ্ড টেকন'লজি' বিভাগৰ ডীন তথা জীৱ-প্ৰযুক্তি বিভাগৰ অধ্যাপক সন্দীপ দাসে আশা প্ৰকাশ কৰিছে।

ইয়াৰ পিচৰ পৰাই সন্ধান পৰিয়ালৰ লোকে সন্ধান খোঁচাৰ কৰে যদিও দুৰক উলিয়াব পৰা নাই। পৰিয়ালৰ বৰপেটা সদৰ খানাত এ কৰিছে। পৰিয়ালৰ লোকে সন্ধান পালে ৯৮৫৪১-৫২১৬৭ এই ম'বাইল কৰিবলৈ অনুৰোধ জনা সহজ-সৰল প্ৰক্ৰিয়াৰ যু এইদৰে সন্ধানহীন হোৱা কৰিছে। দুই কন্যা স সন্ধানহীন হৈ পৰা ঘটনা পৰিয়ালৰ লোক। আৰম্ভ কৰিছে যদিও এই পৰ্য্যন্ত শুংসু উলিয়াবলৈ সম

6

DAINIK JUGOSHANKA

গৌৰবৰ ৭০ বছৰ

দৈনিক যুগশঙ্খ

গুৱাহাটী, শনিবাৰ, ৩০ মে, ২০২০ খ্ৰিষ্টাব্দ, ১৬ জ্যৈষ্ঠ ১৪২৭ বঙ্গাব্দ ■ মেট ১২ পাতা, দাম ৯ টকা

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কোৰোনা যুদ্ধে শামিল

বড়োলেণ্ড বিশ্ববিদ্যালয়ৰ বায়ো টেকনোলজি বিভাগ

মুগ্ধপ্ৰতিবেদন, কোক্ৰাঝাৰ, ২৯ মে' ২০২০

কোৰোনা যুদ্ধে শামিল হৈছে বড়োলেণ্ড বিশ্ববিদ্যালয়ৰ বায়ো টেকনোলজি বিভাগ। এই বিভাগে পৰীক্ষাগাৰত কাঠফুলা উৎপাদন কৰিবলৈ সমৰ্থ হৈছে।

বে মানবাধিকাৰ লঙ্ঘন, মণিপুৰত

জাতীয় কমিশনে নালিশ

জাতীয় মানবাধিকাৰ কমিশনে মণিপুৰত মানবাধিকাৰ লঙ্ঘনৰ অভিযোগত নালিশ কৰিছে।

NIYOMIA BARTAH

সুপ্ৰভাত

আজিৰ দিনটোকে—

- বিশ্ব স্থানবিশিষ্টাৰী দিৱস
- ১৯৯৩ত ধৰ্ম সন্ধিখনত স্বাক্ষৰ কৰাৰ ২৫শ বছৰকোৱাৰ আৰ্হিবিকাশে যাৱ
- ১৯৭৭ত ৰাষ্ট্ৰীয়া নিৰ্বাচনত অৰাজকীয়তাৰ আৰম্ভণি
- ১৯৪৯ত বংগলীয়া বিপ্লৱী সন্থিতিক গুৰুত্বপূৰ্ণ ভাৱে গ্ৰহণ কৰাৰ ৫০শ বছৰ

তত্ত্ববাহাৰী → অষ্ট্ৰেলি়াৰ নিৰ্বাচনত
কৰে অধিকাৰত সাফল্যৰ দুখাৰ।

স্বদেশ আৰু স্বজাতিৰ সেৱাৰ দৃঢ় সংকল্পে

নিয়মীয়া বাৰ্তা

(দেৱাগুৰী সংস্কৰণ/GUWAHATI EDITION)

হাজাৰ হাজাৰ হেক্টৰ কৃষিক্ষেত্ৰত
বাজ্যত ভয়ংকৰ ৰূপত বিয়পিছে মাৰাত্মক ভাইৰাছ
আক্ৰান্তৰ সংখ্যা ১১১৬লৈ বৃদ্ধি

যখনো উত্তৰাৰ পূৰ্বে এই সকল সোকৰ হাতুৰাই লগালগে একেটিকে গছৰ পুলি ৰোপণ কৰে। কোৱাৰ্টাৰাইন কেণ্টিগেনৰ পৰা মুকলি হৈ সমাজত ঘাৰুৱা বাৰ্তা লৈ থকা সোকসকলে যখনো উত্তৰাৰ বাবে প্ৰশাসনে বিশেষ পদক্ষেপ হাতত লয়। খাদ্য আৰু যোগানমন্ত্ৰী ফণীকুমাৰ টোৱাৰীৰ লগতে উপায়কৃত জাৰ এম এছ লক্ষ্মীমিয়াই গছপুলি ৰোপণ কাৰ্যসূচী উত্তৰণ কৰাৰ সিদ্ধান্তে বৰ্তীসকল সোকে বিদ্যালয় টোৱাৰত গছপুলি ৰোপণ কৰে। জিলা প্ৰশাসনৰ মিলিট্ৰি প্ৰকল্পৰ সহায়ত এই গছপুলি ৰোপণ কৰা হয়।

বড়োলেণ্ড বিশ্ববিদ্যালয়ত দুগ্ৰাণ্য মাশ্বৰুৱা উৎপাদন

১৬'৬" উত্তৰ, ৯০°৩০' পূব : উত্তৰ-পূবত পোনপ্ৰথমবাৰৰ বাবে বড়োলেণ্ড বিশ্ববিদ্যালয়ৰ বায়োটেকনোলজী বিভাগে পৰীক্ষাগাৰত মাশ্বৰুৱা উৎপাদন কৰিবলৈ সক্ষম হৈছে, যি মাশ্বৰুৱাৰ আন্তৰ্জাতীয় বজাৰমূল্য কেজিপিঠি কেইবা লাখ টকা। বড়োলেণ্ড বিশ্ববিদ্যালয়ৰ বায়োটেকনোলজী বিভাগে পৰীক্ষাগাৰৰ কৃত্ৰিম পৰিবেশত উৎপাদন কৰা উক্ত মাশ্বৰুৱাৰ বৈজ্ঞানিক নাম হ'ল *Cordycep militaris*, অতি দুগ্ৰাণ্য পুলি পৰিচিত। এই বিধ মাশ্বৰুৱাৰ বজাৰমূল্য কেজিপিঠি ৫ লাখৰ পৰা ১০ লাখ পৰ্যন্ত। সাধাৰণতে অতি উচ্চতাত আৰু হিমশীতল পৰিবেশত এই বিধ মাশ্বৰুৱা উৎপাদন হয়। তিব্বত, নেপাল, ভূটান আৰু ভাৰতত



কিছু পাহাৰীয়া প্ৰান্তত হোৱা এইবিধ মাশ্বৰুৱা ভাইৰাছজনিত ৰোগ, হাটৰ অসুখ, লিভাৰৰ অসুখ, বক্তহীনতা, পুৰুষৰ যৌন সমস্যা আদিকে ধৰি বহু ৰোগৰ চিকিৎসা কৰিবলৈ ব্যৱহাৰ কৰা হয়। বৈজ্ঞানিক অলিম্পিকক বিশ্ব বেকুৰ্ত সৃষ্টি কৰা দুগ্ৰাণ্যী সৌৰবিদৰ সফলতাৰ আৰম্ভ এইবিধ মাশ্বৰুৱাৰ এক অন্যতম কাৰক আছিল পুলি সেই সময়ত তেওঁলোকৰ প্ৰশিক্ষকে সদৰী কৰিছিল। এতিয়াও বহু দেশৰ ৰাষ্ট্ৰপ্ৰধানৰ খাদ্য তালিকাত এইবিধ মাশ্বৰুৱাৰ স্থান পাই আহিছে। *Cordycep militaris* নামৰ মাশ্বৰুৱাৰ বড়োলেণ্ড বিশ্ববিদ্যালয়ৰ পৰীক্ষাগাৰৰ কৃত্ৰিম পৰিবেশত উৎপাদন কৰিবলৈ সক্ষম হোৱাটো এক আশাৰ বতৰা আৰু ভৱিষ্যতে অধিক উৎপাদনেৰে নিবনুৱা সমস্যা দুৰীকৰণত সহায়ক হ'ব পুলি মন্তব্য কৰিছে ফেকাল্টি অৱ ছায়েন্স এণ্ড টেকনলজী বিভাগৰ ডীন তথা বায়োটেকনোলজী বিভাগৰ প্ৰফেছাৰ সন্দীপ দাসে।

হীন দ্যাগ

হাবা কাৰিৰণৰ প্ৰাচীন হোটেৰ, ধাৰা, মজ্জা, ছাফাৰীৰ লগত জড়িত ৰাষ্ট্ৰী সময়ত ক'ৰোনাৰ ৰোগৰ বাবে চৰকাৰে কৰা তলাবন্ধৰ সময়ত কৰাই নিকাৰিতিক ইতিহাস সৃষ্টি হৈছে। এই চৰকাৰে কৰা চিন্তা তেওঁলোকৰ সন্মুখত এক হ বিঘা নিছে। ইপিনে, বা অহা অক্টোবৰ মাহত উদ্যানখন পুনৰ মুকলি হৈছে।

ত হাহাৰ

বাৰে নিজৰ খেতিৰ-ফলিৰ নোৱাৰি ব্যাপক পৰি লগভাটনৰ বাবে ৰাষ্ট্ৰ নিজৰ খেতিৰ নোৱাৰাৰ ফলত বহু হিছিল আৰু বহুতৰ হিবাৰ আকৌ ভূতৰ ধন, মৰাণাট, শাক-তক্ৰে গোৱা বাবে পানীত হাৰ নোৱাৰাৰ ঠিৰ ধন খৰচ কৰি পানীৰ তলত থকাত ব্যতিক্ৰমকৰ এই অথবা হাশাসনে গৰাঢ়ি অহা নাই।

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QUOTE OF THE DAY
Happiness is when what you think, what you say, and what you do are in harmony
— Mahatma Gandhi

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of this land, for its people

Virat Kohli only Indian in Forbes top 100 highest-paid athletes

Boosting immunity: BU develops super mushroom

A CORRESPONDENT
TANGLA, May 30: Bodoland University (BU) of Kokrajhar has developed a specialized fungal powder from a 'super mushroom' known as Cordycep militaris to help boost people's immunity during the pandemic.

"It was prepared by freezing C. militaris, powdered at -80°C. Natural Cordyceps is hard to get and if dried, costs at least Rs 8 lakh per kg. Our lab has been growing C.

militaris since 2017 at a fraction of the cost," said Sandeep Das, Dean of BU's faculty of Science and Technology. The mushroom is well known for its immune-modulating effect, anti-aging, antiviral as well as energy booster effect.

Das also heads the Technology Incubation Centre on Mushrooms that is funded by the Central Government's Department of Biotechnology, in the varsity. Bodoland University has decided to provide

Cordycep capsules for free to civilians to boost immunity to thwart COVID-19 and its capsulation process is underway.

Sources said the Department of Biotechnology of the varsity had already ordered capsules in two sizes from a firm based in Nashik, Maharashtra. Each capsule containing the powdered super mushroom would cost Rs 120 if produced commercially but the varsity is mulling to distribute it for free among people.

দৈনিক অসম

১০ হুতিমা নে ভাৰত
■ যাতনাত আৰম্ভ

১১ ভূমিস্থলন
■ মূৰ সাব্যস্ত

৮ টিভাৰ ঋণ
■ ডিজাইন চৰি

১২ প্ৰথমৰ কোভ
■ ছুইং কৰিবই চামীয়ে

৩০০ টকা (Rs. 6.00)

বড়োলেণ্ড বিশ্ববিদ্যালয় মহামূল্যবান কাঠফুলাৰ বিকাশ

জিলাৰ বাতৰি দিওঁতা

কোকৰাঝাৰ, ৩ জুন : বড়ো চুক্তিমৰ্মে বি টি এ ডিৰ সদৰ কোকৰাঝাৰ জিলাৰ দেৱৰগাঁৱত স্থাপন হোৱা বড়োলেণ্ড বিশ্ববিদ্যালয়ৰ জীৱ-প্ৰযুক্তি বিভাগে গৱেষণাগাৰত কৃত্ৰিমভাৱে বিকাশ কৰিছে অতি দুস্ত্ৰাপ্য প্ৰজাতিৰ কাঠফুলা। এই কাঠফুলাৰ বজাৰ মূল্য প্ৰতি কিলোগ্ৰামত সাত লাখৰপৰা দহ লাখাধিক টকা। বড়োলেণ্ড বিশ্ববিদ্যালয়ৰ জৈৱ-প্ৰযুক্তিবিদ্যা বিভাগৰ অধ্যাপক তথা ফেকাল্টী অব্ ছায়েন্স এণ্ড টেকন'লজী বিভাগৰ ডীন সন্দীপ দাসৰ নেতৃত্বত পৰীক্ষাগাৰৰ কৃত্ৰিম পৰিৱেশত এই মূল্যবান কাঠফুলাবিধৰ বৈজ্ঞানিক নাম হৈছে 'কাৰ্ডিচেপ মিলিটাৰিছ'।

হাৰিণাৰ মঙহেই বৈৰী

পানীয়া সোণ

প্ৰাকৃতিক সম্পদৰ তৰালিকাখন অসম এই প্ৰাকৃতিক সম্পদৰ পৰা যেনে বিপুলভাৱে সমৃদ্ধ হৈ উঠিব লাগিছিল তাৰ পৰিৱৰ্তে অসম সমৃদ্ধীম হ'বলগীয়া হৈছে অসমৰ বিপদৰ। পানীয়া সোণ তেল সম্পদৰে উজনি অসম ভৱণৰ ১৫

খাদ্যৰ নামত অখাদ্য কোৰোণাভাইৰাছ কেন্দ্ৰৰ ৰাঙ্কনীৰ গালৈ গৰম দহিল

কংগ্ৰেছৰ দুই বিধায়ক বিজেপিলৈ

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সংবাদ প্ৰবাহ ৭

মানৱ দেহৰ ৰোগ প্ৰতিৰোধী ক্ষমতা বৃদ্ধিৰ ঔষধ প্ৰস্তুতৰ দিশে বড়োলেণ্ড বিশ্ববিদ্যালয়ৰ জৈৱ-প্ৰযুক্তি বিভাগ

■ লক্ষ্য : কৰ'নাকে ধৰি বিভিন্ন ভাইৰাছ বিৰুদ্ধে যুঁজিবলৈ মানৱ শৰীৰক সক্ষম কৰা

■ বিশেষ কাঠফুলা ব্যৱহাৰেৰে প্ৰথম পৰ্যায়ত তৈয়াৰ কৰিব দহ হাজাৰ কেপচুল



কৰ'নাকোভিৰাছৰ দৰে বহুবিধ প্ৰকাৰৰ ৰোগৰ লগতে জন্মগত সন্মতি হাত-মুখ ধোৱা, পৰিষ্কাৰ-পৰিষ্কাৰ হৈ কৰা, মাক পৰিবাৰ কৰা, সামাজিক দূৰত্ব বহু হৈ ৰখা, খেঁচাই-খিচাই কৰা ইত্যাদি বিভিন্ন নীতি-নিৰ্দেশনা পালন কৰাৰ লগতে শৰীৰৰ ৰোগ প্ৰতিৰোধী ক্ষমতা বৃদ্ধি কৰাৰ বাবে বিশেষ কাঠফুলা প্ৰস্তুত কৰা, খাদ্যভাৱে সন্মতি কৰা, জন্মগত-মোগাশন আদিত কৰাৰ নিৰ্দেশ আহুৱন জনোৱা হৈছে। বিশ্বৰ এনে এক আৰ্টিস সমন্বয়ে বড়োলেণ্ড বিশ্ববিদ্যালয়ৰ জৈৱ-প্ৰযুক্তি বিভাগৰ দ্বাৰা পৰিষ্কাৰিত তথা স্টেৰীয়া কৰাৰ দ্বাৰা স্থাপিত 'ডি ৰি টি-স্টেম' (DBT-Gol Technology Incubation Centre on Mushroom) বিভাগটোৱে জনসাধৰ সমূহীয়া ৰোগ প্ৰতিৰোধক ক্ষমতাৰ প্ৰতি অৱশ্যে প্ৰতিটো কাঠফুলা পৰিষ্কাৰ কৰি এটা উৎপাদন মানব তৈয়াৰ কৰা হ'ব। ইতিমধ্যে বড়োলেণ্ড বিশ্ববিদ্যালয়ে এই ঔষধ তৈয়াৰৰ বাবে প্ৰয়োজনীয় 'কাঠফুলা' (Cordyceps militaris) নামৰ এক অতি দুৰ্ভাগ্য কাঠফুলা মিছা পৰিষ্কাৰক গুৰুত্বপূৰ্ণ আৰু টিছু কাঠফুলা (tissue culture) প্ৰক্ৰিয়াৰ দ্বাৰা উৎপাদন কৰিছে। প্ৰকৃততে ইয়াত উৎপাদন কৰিছে। প্ৰকৃততে ইয়াত উৎপাদন কৰিছে। প্ৰকৃততে ইয়াত উৎপাদন কৰিছে।

জৈৱ-প্ৰযুক্তি বিভাগৰ পৰিষ্কাৰক এই কাঠফুলা পৰিষ্কাৰক এটা বিশেষ প্ৰসাৰীৰ মাজেৰে ঠৈ ঠৈ গুৰি বন্দোৱা হয়। প্ৰশ্ন হৈছে আন্তৰ্জাতিক বজাৰত এইবিধ কাঠফুলাৰ মূল্য প্ৰতি কিলোগ্ৰামত ৮-১০ লাখ টকা পৰ্য্য। অৱশ্যে ইয়াৰ মূল্য কৰ্ডিচিপ্চিন (cordycepsin) মানেৰে ওপৰত উঠিব কৰি নিৰ্ভৰ কৰা হ'ব। বড়োলেণ্ড বিশ্ববিদ্যালয়ৰ পৰিষ্কাৰক ইতিমধ্যে উচ্চ উৎপাদনৰ প্ৰক্ৰিয়া অৱশ্যে হৈছে। বড়োলেণ্ড বিশ্ববিদ্যালয়ৰ জৈৱ-প্ৰযুক্তি বিভাগৰ অধ্যাপক প্ৰফেছৰ তথা কেণ্ডিডেট অৱ ছাৰ্ভেন্স এণ্ড টেকন'লজী বিভাগৰ

শ্ৰীম সঞ্জীৱ গগৈয়ে 'আমাৰ অসম'ৰ আগত কয় যে স্বাৰ্থপ্ৰিয়ক সন্মতি প্ৰতি লক্ষ্য কৰি বড়োলেণ্ড বিশ্ববিদ্যালয়ৰ পৰিষ্কাৰকৰ হাত ৰাখি কেপচুল বন্দোৱাৰ উদ্যোগ হাতত লোৱা হৈছে। উদ্যোগ, কৰ'নাকোভিৰাছৰ ক্ষমতা বৃদ্ধি কৰাৰে প্ৰয়োজন হৈ পৰিছে। পৰিষ্কাৰক এই কেপচুলক সোমত ৰোগ প্ৰতিৰোধী ক্ষমতা বৃদ্ধি কৰাৰ বিশেষ কৃতিত্বা গ্ৰহণ কৰিব পৰাৰ আগত প্ৰশ্ন কৰিছে বিশ্ববিদ্যালয় প্ৰফেছৰ সঞ্জীৱ গগৈয়ে। লগতে তেওঁ মিলিয়ন সমস্যা সমাধানৰ ক্ষেত্ৰত ই এক বিশেষ কৃতিত্বা হ'ব বুলিও দাবী কৰে। বড়োলেণ্ড বিশ্ববিদ্যালয়ৰ এনে প্ৰক্ৰিয়াৰ বিভিন্ন মনো কৃতিত্বা কৰাৰ লগতে ইয়াৰ দ্বাৰা মানৱ সমাজ বিশেষকৰে উপকৃত হ'ব বুলিও দাবী কৰিছে।

পশ্চিম নলবাৰীত চিকিৎসক-আৰক্ষী-সাংবাদিকক উদ্ভা আদৰণি

গড়কাপ্টানী বিভাগৰ হেমাহিত ক্ষোভিত ৰাইজ

নলবাৰীৰ বাঁহজানীত ডেৰ কোৱাণ্টিকীয়া

দৈনিক যুগশঙ্কা

সংবাদ প্ৰবাহ ৭

০ জুন, ২০২০ শুকুৰবাৰ, ওবাহাটী

কৰোণাতঙ্ক : ৰোগ প্ৰতিৰোধৰ ক্ষমতা বাড়াতে গুৰুত্ব দিছে বড়োলেণ্ড বিশ্ববিদ্যালয়

মলয়া ডেকা, কোকৰাঝাৰ, ৫ জুন : পৃথিৱী জুড়ে আঙুৰে পড়া কৰোনা মহামাৰী আতঙ্ক কাটানোৱাৰ লড়াইয়ে শামিল হ'ল বড়োলেণ্ড বিশ্ববিদ্যালয়ও। কেন্দ্ৰৰ স্থাপিত ডিৱিটি-গোল টেকনোলজি ইনক্যুবেশন সেন্টাৰ আৰু মাশৰুম-এৰ সল্ট এ নিয়ে কাজ কৰছে বড়োলেণ্ড বিশ্ববিদ্যালয়ৰ জৈৱ-প্ৰযুক্তি বিভাগ। কৰোনা মহামাৰীৰ আতঙ্ক কাটোৱাত ৰোগ প্ৰতিৰোধ ক্ষমতা বাড়াবলৈ প্ৰক্ৰিয়ায় গুৰুত্ব দিছে উৎকৃষ্ট মানোৱা মাশৰুম পাত্তিৰ কাপসুল বানানোৱাৰ কাজ ইতিমধ্যে গুৰু কৰে দিয়েছে বিশ্ববিদ্যালয়।

প্ৰথম পৰ্যায়ত দশ হাজাৰ মাশৰুম পাত্তিৰ কাপসুল বানানোৱাৰ লক্ষ্য স্থিৰ কৰা হৈছে। এই কাপসুল সাধাৰণ মানুহেৰে ৰোগ প্ৰতিৰোধৰ ক্ষমতা আগলৈ বাঢ়িয়ে দিব। এই গুৰু তৈয়াৰৰ জন্ম প্ৰয়োজনীয় 'কাৰ্ডিচিপ মিলিটৰিয়া' নামেৰে এক ধৰণেৰে দুৰ্ভাগ্য মাশৰুমেৰে উৎপাদনও শুরু হৈছে। গবেষণা ও টিছু কাঠফুলাৰ প্ৰক্ৰিয়ায় এই উৎপাদন শুরু কৰে বিশ্ববিদ্যালয়।

সাধাৰণত প্ৰাকৃতিকভাৱে শীতল স্থান যেমন নেপাল, ভূটান, অক্কাচাল প্ৰদেশ, সিকিম, উত্তৰাখণ্ড ইত্যাদি ৰাজ্য এই দুৰ্ভাগ্য প্ৰজাতিৰ মাশৰুম পাওঁয়া যায়। উষ্ণ ও সল্ট 'কাৰ্ডিচিপ মিলিটৰিয়া' নামেৰে এই মূল্যবান প্ৰজাতিৰ মাশৰুম কাৰ্ণি-সি, ফ্লোৰোগ, পুৰুষ মৌন ৰোগ, >



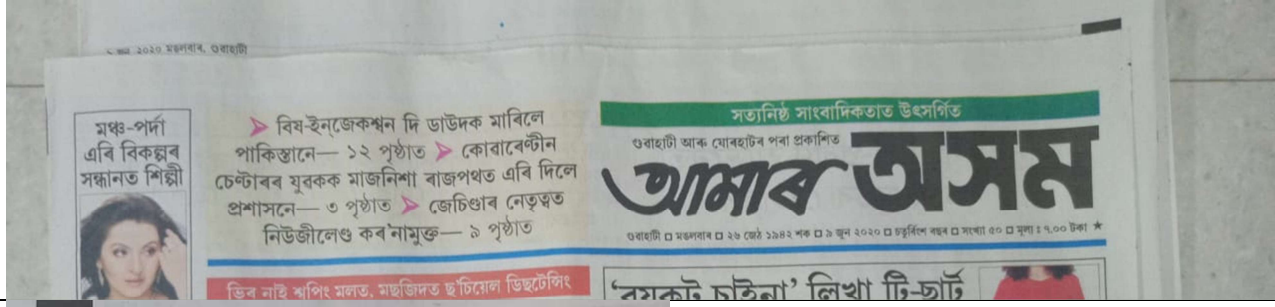
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रे आरो ए फच' सा रायजोआव मायदो

सलने मोडो मोनस सोबाकावने खाभानि एल ए फच' केरिना बिदुन लोकोबाव । ए जीनाकाव फरने हादिनु, तिबिभुल हादि केरिना दिने । ए फलातसालिबाव मोबादे दुनु मोनस बाव' एल एल ए जाबादो लोको

सुबुनि देहायाव इमिउनिटि बांहोनो मैखुननि गुन्दै दिहुन्दो

जायखिजाया बेरामनि नाखेबनायनिफ्राय रैखा मोनगोन

ककडाहार, 8 जुन: बिदिलिनि मरर ककडाहार सहरनि सोखिबाव मानस देबरमाकआव फरजेजायाव हात्तायनि मसैल' मुलुग सोलोसालि बड लेण्ड मुलुग सोलोसालिबाव सुबुफोरनि देहायाव मोनो जायाव सुबुफोरनि बाहोकोलीको जोजोर होनाने आरो जायखि जाया रोखोभनि बेरामनिफ्राय रैखा मोनो हाजाव बावदि हादिअदि बाहोकोलीको सुबुफो



मदत होनाने अरिल्लव मैखुन सुबु रोखोभनि मोनसे मोनो बेराम मदत होनाने एका मुलाभर मोनो हासोन । बे सुबुफो पुबुननि सायाव मानने भाग एका 14.00 केरिना

हम कवारैन्टइनाव सारो सुबुडा जिउ गोमादो

बेनमनि उनव करसु भाइरस फजिटिभ मोनो

मुवाहादो, 8 जुन: सलोआव करना भाइरस स'द' रनाव बेरामको मोनो मोनि जाननाव सुबुनि जिउ जोधाना बासो हासिभ भाउ जायव । मखने मोनो कतिअलोनि अरव करिता मुनि सारो सुबुडा करव भाइरसनि देधाने सुबुनिबव कवारैन्टइनाव सारो सार कवारैन्टइव कवारनाव मानाने अनकरव नवकवारोभोन । कवारैन्टइव कवारनाव 14.00 केरिना



समाजकार साधापच नमान मजेरजो बिस्मायखोबाखो हासिभ रज्जो रजाया गाव गावनि भरखी होनायनि । दोलोनि आफादगिरि नाजागीनि दैदेनयायाव बि दि रजायाल' दाबिबाखे बाहाव नि ति सि ओनसोलनि मुबुन दोलो आगे आफादफोरवो बि दि सिबाव बि दि । मुबुन फारसेबि बि पि एक दोलोनि सुलुडव जनि होनागीनि दाबि खालामदो । रज्जो रजा आगे मो खुवाने बि दि सिबाव सरकर दापागी । लोगीसे पि पि एल दोलोनि सुलुडव मिथिनो मोनबावनाय । दायाव खमायोव्ला बि दि सिबाव इउ पि पि एल हो । लोगीसे सुबु समाजकार भांगीनि वेधनि मेजेरजो ल दोलोआ मदद ई होनाने फोरसायदो ।

भाबादारिफोरनो र जागोन...

हाखिनाने आबादभिलिनि फारो जोजोर होदो । जिरावसालि न'आव आबाद बिफजनि सायाव हादिबा जावाने बाजो । बे हाबाफारियाव रायजो हावैको हाबाफारियाव बाहागो लायो । आबादारि गिबि भन्धि सववालआ फोरसायबाव बावदिब्ला जायनि लामायाव जीमाकाव मिंसिभनि मददजो सामनायनि जाबाखी मिभि होयो । गिबि भन्धि तभसबाव दखल खालामनो एबा मोनयो हायाव होआव आबादारिफोरनो मोफाद आरो गोखो । राजाने होनायनि जाबाखी आबादारि आलासि बजा फोसावो आरो रायजोआव आबादारिनि वनायखी फोरमायो ।

8 Assam टि भि वनाय रादाबा...

रकार बिभाआसो खालामदो होनना प्रेसगिरिनि

रादायखी भावपुनायनि लामायाव खीरोभनि गोनाधि जानायाव प्रमद बर' दैदेन्याव इउ पि पि एल दोलोखी मदद खालामनो होनाने बि पि एक दोलोखी एबा बि पि एक दोलोनि गाहाइ हाघामा महिलारि दैदेन्याव बि पि एकखी नागाराने इउ पि पि एलआव मदद खालामनाय जानाय होनाने खीरोगिरिनि सिगाडव फोरमायो । बि टि आर गोरोबथा रादायखी प्रमद बर'आ हादिबि भावपुनो हाया । बेनिखायनो बयनिबो मददजोसो गोरोबथानि रादायखी भावपुनो हायो होनाने इउ पि पि एलआव लोगी जानाय हेमेन्द्र पाथ इलमा खीरोगिरिनि सिगाडव फोरमायबावो ।

सुबुनि देहायाव इमिउनिटि बांहोनो मैखुननि गुन्दै.....

पुबुन दफानि सायाव मोनारना भाभा मोनो बाडे सुधार मैखुननिफ्राय जानायाव जादो । जायखी कडिचेप्य मिलिटारिस बुनाय जायो । जरखायि सोलफु समाव गिखबाव कभिड-19 नि साम्लोबनायखी नोजोर होनाने आरो बेनिफ्राय रैखा मोनो बाखाय सुबुनि देहायाव जागीबावदि इमिउनिटिनि गोनाधिखी नोजोर लाखिनाने हादतनि आरो राइण्णोनि मुबुन-मुबुन मुलुग सोलोसालि आरो बिरोदासिभ फरसायफोर बावदिनो मोनसे बाव'देक'लजी लेबरेट'तिनि मेजेरजो बड'लेण्ड मुलुग सोलोसालिनि साइन्स एण्ड टेकन'लजीनि फेकाल्टीआ दिहुन्वाव जादो । 80 डिग्री सेल्सियसजो फिजआव फोरानाने एबा लाय फिलाइजेसननि जोई गोखोडे खोबयेनाय एबा रैखायि राहानि मेजेरजो गुन्दैखी जानायाव जादो । साइन्स एण्ड टेकन'लजीनि बड'लेण्ड मुलुग सोलोसालिनि फेकाल्टीनि गाहाय सन्दिप दासआ फोरसायनाय बावदिब्ला मिथिगाथारि कडिचेप्यखी मोनो गोबाव । आरो जुदि बेखी फोरानाने गोराव खालामोव्ला बेनि बेसेनआ 1 कि. गा. याव 8 लाख रं । बड'लेण्ड मुलुग सोलोसालिनि लेबरेट'रीआव गोबां खीन्दोआव करस खालामनाने बनिव 2017 गिप्रथ सि मिलिटारीसिखी खालामनोदो । बिभाड टेकन'लजी इन्किउबेसन सेव्दरिनिबो गाहाय । जेरान गिर सरकारनि बाव टेकन'लजी बिफजनिफ्राय फाण्ड खालामनाय जायो । बिभाड फोरसायनाय बावदिब्ला गावनि दैदेन्याव सा 12 सोदोभानि हाजाया बड'लेण्ड मुलुग सोलोसालिनिफ्राय लकडाउननि समाव सावप्रयोगको 18-19 कि. मि. जायाथसिभ दावबावहेनाने कडिचेप्यनि समाव रिसास खालामनाय थाबोदो । गावसिनि बे रिसास खालामनायखी गायाव 3 मेसिभ खालामनाय थालीभोन । बे समाव ककडाहार जिल्लानि बास' जिल्ला बेगिरि पार्टप्रतिभ पजुभइरआ रिसास खालामनो दावबावनाय समाव जरखा दावबावनायनि गवाथभि होदोभोन आरो रिसास खालामनायनि बाखाम आइजपि अनुराग आगरवालआ गावसिनो निसा मुना आरो बिफां मुलि बाहायनायनि राहा जगावनिवानी होदो । बेबावदिनो सुधार मैखुन गुन्दैखी मोनसे पेकेटआव 150 एमजि थायाव फिसा फिसा पेपारनि पेकेट खालामनाय जादो आरो बेखी खाधि-खालानि गाथिफोरव खरीको 500 निबो बासिन सुबुफोरनो बेरोन लायाजसे राजाने होदोभोन । बेजो लोगीसेनो मिथिगाथारि मुलि आरो निसा मुना थायाव सेविटाइजार् आरो भाक्स फोरखीको खाधि-खाला गाथिनि सुबुफोरनो रनाने होदो होनाने बड'लेण्ड मुलुग सोलोसालिनि साइन्स एण्ड फेकाल्टीनि गाहाय सन्दिप दासआ फोरसायनाय । बाव' टेकन'लजी बिफजना महासण्दनि नासिकआव थायाव मोनसे फरसायनिफ्राय मोनो रोखोभनि केपुल दिहुन्वोको बिबोन हरबाव । बे केपुलआ थाबैको बड'लेण्ड मुलुग सोलोसालिबाव सफेनायनि लामायाव । मैखुन फाउन्डरनि बे केपुलआ जुदि फालागिवादि बिधिजन दिहुनजावोव्ला बेनि बेसेनआ 120 रं जानो हागी । नायाव बड'लेण्ड मुलुग सोलोसालिना सतसन्धा सुबुफेरनि बाखाव बेनि बेसेनखी गनायजायाव खालामना होको हास्यायदो ।

दन्त सरकारनि थारखाय गान्धी न खरनिफ्राय एन अ



बरे बिजोनि फरायसाफोरखौ असमीया रावनि आयदा सोलौंथारनांगौ होन्नाई जाबसिनो नाजनाय आसाम सरकारनि थिरांथाखौ एबसुआ गोखोडै नेवसिगारदौ (15 थि कमल कुमार ब्रह्म देरहासार बान्था 2020 खौ फोसावबाय)

बड 'लेण्ड मुलुग सोलौंसालियाव इमिउनिटि बांहोनो हानाय मैखुन गुन्दै दिहुन्दौ

कक्राहार, 8 जुन, आसाम सरकारनि बड' फरायसा अउरी बड' बिजोखी बिग बाहुल सोलौंथौ नायनाय अउरी बड' बिजोखी थिरांथि बुफरायनी नाजाबोनाय आबुभाया खौ 'बरे' बाय सा-अ। नुजुवायबाय। गोवां बड' फिसाफोनि बिजोनि शै बड'बरे' सोलौंथौ हायाय बड' बिजोनि सोलौंथौ परखी साग'लौनाय सपफोप आसाम सरकारआ फो'बो'बसा'ने अ' सार सादौमोनबो मॅनाय अउरी



दैदेनाय बिबेपि सरकारनि आगोलभाव नुजाबिसावबाय। गोबोर होथाय बाधदि, आसाम सरकारनि सोलौंथाय बिजोनि गोहैमि मॅनाय अ' विमल बिबे शर्मा'या थिरांथिनि दरुई जिल्लाखी बाड होनाई आसामनि गेबुन गुन्दुन विस्वाकाय धानाय बरे'बिलोनि बरे' फरायसाफोरखी बरे' गुलुग बाखौ। विजय बाखौ 10 मिम फण्डलमारि आसामोका फरायधारनांगौ होन्नाई



कक्राहार, 8 जुन: बिजोनि बड'लेण्ड मुलुग सोलौंसालियाव इमिउनिटि सहरनि साधोबियाय बागुप देबरगावभाव फरब'बाय हालामनि 'गरेल' मुलुग सोलौंसालि बड'लेण्ड मुलुग सोलौंसालियाव इमिउनिटि बांहोनो हानाय मैखुन गुन्दै दिहुन्दौ। बरेमनिफराय रेखा सोलौं हायाय आयदि इमिउनिटि बांहोनो हानाय मैखुन गुन्दै दिहुन्दौ। (5 बिलाइआव)

5 बिलाइ बड'सा

सोरां एकाडेमिनिफ्राय जीसे फाफोरा उथिसार जानो हादौ

बड 'लेण्ड मुलुग सोलौंसालियाव इमिउनिटि बांहोनो हानाय मैखुन गुन्दै दिहुन्दौ

बॅंगिरिपोखी राजाखोलेदौ। मख'नाय फ्राय 2020 साइबायाय बिजायनाय फरायसाफोराजी जीसे जीखोन्दो उथिसार नि गेजेरजी फरायसाफोराजी नुजाय नाय बादिबन्ना, बाका'लानाय मैट्रिक फ्राय गारि सा 23 फरायसाफोरा मैट्रिक बेनि गेजेराय सा 20 आ गेथि, सोनेआ थिसआय उथिसार जानो हापो। बेनि गेजेरजी नम्बर लानागेथो उथिसार जानो उथिसार नायाय फरायसाफोरा जाबाय (83 जीखोन्दो), समलि बसुमतारि जाबतिर (79.83 जीखोन्दो), कर्मिण लालि बसुमतारि (78.5 जीखोन्दो)। 1) गोबोर होथाय बाधदि, कक्राहार 8 टप 10 फरायसाफोरा गेजेराय तथ धोरिमसुला नुजाखीआ जायगा तथ धासि भेलागे उथिसार जानाय हुन गुन्दुन आबदायाय लेटर नम्बर ही फोरमायथौ। काडे'मनिफ्राय जीसे जीखोन्दो हानाय अउरी सोरां नम्बर लानाने परबालिनि टैटेन आफाट, फोरो'गिरि खाथि-खाला ओम्बोलनि रादुजी-गोरगानायजी लोगोसे गाहाय लाइमोन बोर एकराडे'मिनि गाहाय तथनाय बाधधी फरायसा आदनि विमार्थायहादौ।

(1 बिलाइफ्राय) गुन्दै रोखोमनि मोनसे गोनां वेसाद दिहुन्दौ। जाय वेसादमा सुबु देहायाव इमिउनिटि बांहोनायाय गोबां मदत होगीन एका मुलाम्मा मोन्तो हागीन। बे गुन्दैखी गुन्दुनि सायाव धानाने धाया एका गुबुन दंपतीनि सायाव सोनारना बाया मोन्तो थारु सुपार मैखुनिफ्राय बानायनाय जादौ। जायखी काडे'वेप्स मिलिटारिस बुनाय जायो। जरुखारै सोलिफु समाय गिअंधाय कभिद-19 नि सायलो'बनायखी गोबोर होनाई आउरी बेनिफ्राय रेखा गोन्तो थाखाय सुबुनि देहायाव नांगीबायदि इमिउनिटिनि गोनांथिखी गोबोर लाखिनाने हादरनि आउरी राइन्थोनि गुबुन गुबुन मुलुग सोलौंसालि आउरी बिरो'दांगिन फरमंधानफोर बायदिनी मोनसे बाय टेक्न'लजी लेबरेट'रीनि गेजेरजी बड'लेण्ड मुलुग सोलौंसालिनि साइन्स एण्ड टेक्न'लजीनि फेकाल्टीआ दिहुन्नाय जादौ। 80 डिग्री सेल्सियसजो फ्रिजआय फोरानाने एका लाय 'फिलाइबेसननि जोहै गोखोडै खोबदेनाय एका रेखाथि राहानि गेजेरजी गुन्दैखी बानायनाय जादौ। साइन्स एण्ड टेक्न'लजीनि बड'लेण्ड मुलुग सोलौंसालिनि फेकाल्टीनि गाहाय सन्दिप दासआ फोरमायनाय बायदिबन्ना मिथिगायारि काडे'वेप्सखी मोन्तो गोत्राब। आउरी जुदि बेखी फोरानाने गोरान खालामोब्ला बेनि बेसेनआ 1 कि: ग्रा: याव 8 लाख रं। बडे'लेण्ड मुलुग सोलौंसालिनि लेबरेट'रीआय गोबां खोन्दोआव करस खालामनाने धानाय 2017 निफ्राय सि मिलिटारीसिखी खालामबोदौ। बिथाख टेक्न'लजी इन्फिउबेसन सेन्टारनिबो गाहाय। जेरुब मिह सरकारनि बाय टेक्न'लजी बिफाननिफ्राय फण्ड'खालामनाय जायो। बिथाख फोरमायनाय बायदिबन्ना गावनि दैदेनाय सा 12 सौद्रोमानि हानाया बड'लेण्ड मुलुग सोलौंसालिनिफ्राय लकाडाउननि समाय सानफ्रोमबो 18-19 कि: मि: जान्थायमिम दावबायहैगाने काडे'वेप्सनि सायोव रिसास खालामबाय धाबोदौ। गावसिनि बे रिसास खालामनायखी धानाय 3 मेसिम खालामबाय धादौमोन। बे समाय कक्राहार जिल्लानि बाराग' जिल्ला बॅंगिरि पारटप्रतिम मजुमदारआ रिसास खालामनी दावबायनाय समाय जरुखा दावबायनायनि गनायथि होदौमोन आउरी रिसास खालामनायनि थाखाय आइजिपि अनुराग आगरबालआ गावसिनो निसा मुवा आउरी बिफां मुलि बाहायनायनि राहा जगार्थिनाने होदौ। बेबायदिनी सुपार मैखुन गुन्दैखी मोनसे पेकेटआव 150 एमजि धानाय फिसा फिसा पेपारनि पेकेट खालामनाय जादौ आउरी बेखी खाथि-खालानि गामिफोरव खमैबो 500 निबो बांरिन सुबु'फोरनो बेसेन लायाबासे रानाने होदौमोन। बेजौ लोगोसेनो मिथिगायारि मुलि आउरी निसा मुवा धानाय सैनिटाइजर आउरी माक्स फोरखीबो खाथि-खाला गामिनि सुबु'फोरनो रानाने होदौ होन्नाई बड'लेण्ड मुलुग सोलौंसालि साइन्स एण्ड फेकाल्टिनि गाहाय सन्दिप दासआ फोरमायबाययो। बाय 'टेक्न'लजी बिफानआ महाउष्टुनि नासिकआय धानाय मोनसे फरमंधानिफ्राय मोन्ते रोखोमनि केप्पुल दिहुन्तोबो बिधोन हरबाय। बे केप्पुलआ धाबेनो बड'लेण्ड मुलुग सोलौंसालियाव सफेनायनि लामायाव। मैखुन फाउडरनि बे केप्पुलआ जुदि फालांगियारि बिथिडाव दिहुनजायब्ला बेनि बेसेनआ 120 रं जानो हागी। नाथाय बड'लेण्ड मुलुग सोलौंसालिया सरासन्ना सुबु'फोरनि थाखाय बेनि बेसेनखी गनायबायाय खालामना होनो हास्वायदौ।

0 साननि गेजेराव टि रानि दिहुनजानाय



Tir Yimyim

www.tiryimyim.in

e-mail : tiryimyim@gmail.com

TAPAK 7

TAPAK 8

**Amit Shah-i Covid atema Delhi
nung party ajak den senden amen**

**Philippine osangbener Ressa
tepuokdak ayutsii obendang agütsii**

VOL. XVII NO. 229 (ADOK 229) DIMAPUR SANGTENNÜ (TUESDAY) AAMI (JUNE) 16, 2020 ₹ 5.00

Dimapur nung tani traffic tenokdangba kar agütsür **Dimapur DTF-i telemtetba aika agiogo**

Dimapur, June 15 (TVO; June 16, Zone-1) Hotel Theja Fort (TVO)

TIR YIMYIM
YIMOBILEM (EDITORIAL)
DIMAPUR SANGTENNÜ, AAMI (JUNE) 16, 2020

Constituency yanglushiba mapang

T... anga state-tem nungbo 2002 küm shimtetba Delimitation Commission-i 2001 küm linik ajaken nütünyongstik sükdangba mapa dak ajemdaker assembly constituency-tem ajak asetshitepa yanglushir külen election-s agiogo. Ajiisüka, Northeast nung yimten teblemtüsü aliba agi Assam, Manipur, Arunachal aser Nagaland state-tem nung mapagitei toktsüba agi tang nung inyaktüsü tenokdangba. Atangji, tang state aser nung toktsü Nagaland nung 2001 census dak ajemdaker assembly constituency asetshitepa baji mapangbo shitak saka mapabo meshitak asütüsü, kechiyong 2001 Nagaland census-ji... taaktsüka, tiyazü agi sünga lir, kechiyong tesem aika nung nütünyongstik dang nungi voter teimba itasii. Iba-ji Naga nungter ochishirtemi inyakba mapatem lir. Ano, iba sülem 2011 küm Nagaland nütünyongstik sükdangba mapangbo, teisingmangtsüka, 2001 nütünyongstik dangi nungi tajemba listia, Tetüsü, 2001 küm nungi 2011 tashi nung Nagaland nung tasü dang asiasih, nisung kata maso asü, mesüra nisung aika tangleri oa adokar ka asütüsü. Iba ama nisung amangtsüba masüba mapa asenok ochishir ta jemba Naga kintemi inyaktüta lir. Atangji, nisung teimba, tuba aser tajungba aginir, agi meimdir yimya. Ibiyangji, election nung aloktüsü atema vote aika nungdaker asinungji, temasa asenoki nütünyongstik sükdangba mapang nung tering tiyazü aser talia aika enoka yanglur aser idaki ajemdaker electoral roll yangluba mapang kasa nisung tiyazü aser talia agi voter aika kuma yangluteba mapatem konang kuma asenoki jemba. Asenok kilen sükdangba mapatem kuma Rural, Urban aser Election department ama pei pei ningdak asoshi sükdang dang alinga balala sükteter aser kasa tesem nung prog o yimten na kilen sükdangba yongsüka meputep. Aji oda, asenok rongnunga karbo pei teninga tiyazü aser tasoba anogoa tiyazü ta bener ochishia alitü ajungshirtema lir. Iba ama temulungang aser jakla bener assembly nütünyongstik nubi vari constituency asetshitepa baji shisabolutsüka lir. Atangji, tang aliba assembly constituency-tem ya kodang yanglushir mesira asetshitepa; district apia inyaktüsü asinungji, kar ajemtsü aser kar renoktsü. Ibiyongji, nisungter yimya asinungji constituency tajemba akümtüsü amai asüba purtemi tangbo delimitation mapa ya meinyakner saka ano teimba akümtüsü amai bilementaküba inyakner. Ano, kariba Naga yimten teblemtüsü ya yakta tatemang kuma latestüsü amai asenok asinungji, iba sülem dang assembly constituency-tem ya asetshitepa. Atangji, Naga yimten teblemtüsü latesta sülem delimitation mapa inyaktüsü baji kanga junger, ajiisüka teblemtüsü kaji, Naga yimten teblemtüsü ya kodanganga tatemang akümtüsar meshot, tanabuba nung, ashiko, Naga nungterem dak pei yim aser pei kin tsütüsü kanga atöngba oa inyakba jakla ka lir asinungji, delimitation mapa yagi Naga nungter rongnung meputep adoktsüka akok. Ano, nisung karibo 2001 küm agiba census nung ajemdaker delimitation mapo inyaktüsü tiyazü nung ajemdaker inyaker asütüsü ta jemba. Atangji, item teblembatem ajaki yimten nung lenirtem angatsüla aser bilemdanga shitakba lemang bushitüsü nungdaker. Asenok asoshibo assembly constituency-tem asetshitepa yanglushitüsü mapa ya Clean Election dak aketba tongtöng mapa ka asütüsü. Clean election nukidöng atöngtsü atema, tamasa, census aser electoral roll shitak asütüsü. Aji oda, kodang census shitak nung amendaker electoral roll shitak yangludir, voter ajak shitak akümtüsü, anungji candidate-sa shitak shimtetüsü. Iba-ji alima tajungba kuma melenshi tenükter asütüsü. Asetshitepa asinungji ajemtsüsü akok mesira taliba bendenoktsüka akok, saka asenokbo ochi nung ajemdaktsüka. Asem lima junger, tang nungi dang asenoki asenoktsasa ochishir kin ta jemba ya mapo agi sayyuttsüla. Ochishia inyakba agi, mezingbo, takokas angur amai asütüsü akok, saka ochi kodanga asenok makokadoktsüta. Tiyazü ana dangbo ochi ka tajungba ta asüba nung leniba lenisüba ka asenoki tangar nema agütsütetsüla.

OLEMSABANG
KONGER (CORDYCEPS SPP.) SUPER MUSHROOM
AMSHIBA/TÜNÜBA TAJANGZÜK
- Dr. Sosang Longkumer



Teblemba:
Nagala nungter ibaluru nung shilem ka kumdoktsüsü nukidöng nung konger tsünüba semöng jungermesüta, asoshi iba ya nesem. Iba shütya ya Prof. Sandeep Das (Dept. of Biotechnology) & Dean of Biodeland University, Faculty of Science and Technology ajanga tenük. Pei linik tesem balala nung iba amala study tenüktsü molunga lir aser Super mushroom tsünüsü/mesütüsü aser ayektüsü asoshi training, achayang agütsütüsü nenema lir. Yangi lemsatüba aliba osangtem ya tendangba nungi aser Prof. Sandeep Das-i lemsatüba nungi lir.
Konger (Cordyceps spp.) Super mushroom indang tongmölomöng osang kir:
Konger tem nung protein, vitamins, minerals, aser antioxidants. Item ajanga nisung temang nung tajangzük balala agütsür aser nutrition tsütüsü jenjang tulu lir. Cordyceps ya dangar dak metakoka aliba mangrang ka lir, loba tebu 400 dak tema alima tesem balala nung angur, koba shiruru tika aser yanala nung metakoka alir aser kar dang mangrang nung metakoka alir.
Cordyceps militaris ya sünga lembe agi mosti yangluba nung tongtöng shilem agi, aser iba konger ya temang tashi itaktsütüsü asoshi alibi mapang nungi amshiba kalitem lir. Species ajak rongnung C. militaris ya chemical constituents asoshi amshiba rongnung tejemba ka ta ningshir. Iba konger ya tajemba mosti balala nung kanga ningtupüsü amshiba kija masi saka tani-asung yangluba amshiba mosti nung kanga amshir.
Dr. Toshiyuki Aoi-iba konger ya July ita Zunheboto aser Mokochung district tem nung field exploration research agiba mapang berden. Iba konger sentü kanga tsangung suaka tenük agi ajitetsüsü tsak, kechiaser iba konger ya yimya agi ayi aser mangrang dang nungi tatsüba lir. Iba konger ya tsüla mapang angur aser October-November tashi angur. Shiro aser mosti indang entüsü mesira tejanu resüba sülem iba konger ya ali nung kija mesira telok nung angutsü.
Tajangzük:
Cordyceps ya aketba, tepokok tezi nung koma, tango sadiba nung timtema, tezingjang nung timtem, asung natzi anaba, tabur dak tash madiba teblemtüsü, azü nung red blood cell peria maliba timtem, temölungangji mapo junga meinyakba, cholesterol talii aliba, temasen timtem, mangmanga, tashi madiba, tenaranta nung oia balala angushi, temang tuoski ajema akimba aser dipium achiba timtem alirtem asoshi tajang lir. Iba ya temang immune system tashi itaktsütüsü, saisapong tajungba nung shilem agitetsü, temangtsü nung tain ama aji ba ajemdaktsüba, arishi talangba kumdoktsüba aser hepatitis B alir dak temasen inyakyim tajungba kumdoktsüba atema amshir. Cordyceps tabu 400 dak tema nguteta aliba rongnung, health research atema tabu, ana dak tali temölung agitetsü. Cordyceps sinensis aser Cordyceps militaris. Pasasa adakiba cordyceps ya angutsü tsak aser jenjang tsak asütüsü akok, koba laboratory nung tsünüba amshir. Cordyceps ya super mushroom kalir, koba immuno-modulating effect, anti-aging, antiviral aser temang nung tashi itaktsütüsü atema amshir aser itemji janga junga tendangteta lir. Iba konger ya takongbo seret nung sen lakh tsünüba meshir, saka tsaka DST-Go! Technology Incubation Centre on Mushroom, Bodoland University nung iba konger ya laboratory condition nung 2017 küm nungi kanga aika tsünüba amshir anur. Ajiisüka Prof. Sandeep Das indang lab nungbo lab standardization aser iba dak sendoktsüba aliba research ya 2012 küm nungi tenükta anaba lir.
Iba konger tsünüsü asoshi mapang, temasa aser tsü-mopung koma ningdaker:
Drop cycle atema konger yagi anogo 60 ningdaker. Iba konger tsünüsü atema anogo mapang balala ningdaker, enrekhe media aser natural habitat media möpung tajang aliba encapsulated environment ningdaker. Iba ya vegetative, egg & dead pupa, egg aser takim aliba pupa (natural host) yenyatem amshia tsünütetsü akok. Nisung kati anogo nung iba konger ya takok 0.5 nungi 3 gm tashi achitüsü akok. Temang nung immune system tolleraba nung tashi itaktsütüsü atema 550 mg Cordyceps powder tashi chidoktsüna ibaji teperi lir.
Konger shishilempabe:
Konger nung mosti tabu aika keta lir asinung, shishilempabe tsütüsü tenerek jenti alitü takoktsü lemang tulu lir. Konger tashi/tain kilmer aliba ya ayektüsü akoker. Cordycepin level nung ajemdaker alima nung konger jenjang ateter. Ajidang masü, vegetative mesira egg aser dead pupa mesira egg mesira aliba pupa amala yimya balala amshia tsünüteta nunga ajemdaker sen ateter. Cordycepin level dak ajemdaker sen lakh shikha nungi 8-9 lakho tashi meshir.
Konger tsünüba agi koma yaritsü:
COVID-19 meshi niiburtemtakim hyonga aotai asoshi aayangba nung timtem aliba ajun, kechiaser süngjangjang aser söngokemba berdentüsü, nokitangar. Anagoshi hyonga aotai asoshi anem nungi berdentiba rongnung dak dang metakoker alirtem asoshi takoktsü tulu bener anutsü. Pandemi konger tsünüba ajanga takim hyonga aser nung jenjang tajungba akümtüsü akok, kechiaser konger tsünüsü, temela lir. Ajidang masü, konger tsünüsü atema tsü-mopung balala menungdaker aser yimya kar amshia tsünüteter. Konger tsünüsü ya kanga tsak masi saka ali tsak aliba nunga kanga junga tsünüteter aser takim alitü asoshi rongar berdenteter.
Iba Olemsabang nung lemsaba ken-o aser shisatsü ya iba oset züluri bilemba ken-o ama tazungeri angateta agitsü meshir

<http://arunachaltimes.in/index.php/2020/06/18/bu-develops-cultivation-and-process-technology-for-cordyceps-militaris/>



BU develops cultivation and process technology for Cordyceps militaris

June 18, 2020



ITANAGAR, Jun 17: Scientists at Bodoland University (BU) of Kokrajhar, faculty of Science and Technology have recently developed a cultivation and process technology for growing of Cordyceps militaris, a rare and highly valued caterpillar mushroom under laboratory conditions at the BU Technology Incubation Centre on Mushrooms funded by the GoI, Department of Biotechnology.

Cordyceps militaris or Cordyceps sinensis is also known in Tibet as 'Yartsa Gunbu' which means 'summer herb winter worm' and found growing in alpine and sub-alpine zones in Mechukha and Monigong in Shi Yomi, Tuting in Upper Siang and Taksing in Upper Subansiri and Tawang bordering China between June and August.

A kilogram of the wild fungus fetches Rs. one lakh in India and it is in high demand in Tibetan, Chinese and traditional herbal folk medicines. In the recent past due to growing demand in the market, the Himalayan caterpillar fungus has become one of the world's most valuable biological commodities, providing a crucial source of income for hundreds of thousands of collectors, but due to over-harvesting a sudden demise of caterpillar fungus in the Himalayan region of Arunachal Pradesh have been observed.

Dean of BU Kokrajhar Prof. Sandeep Das said that the natural Cordyceps is hard to find and if dried, costs at least Rs. 8 lakh per kg.

Prof. Sandeep Das informed that the BU has become the pioneer in the development of technology for growing Cordyceps and is ready to transfer process technology to promote growth of young entrepreneurs to boost self-employment and provide sustainable production of 'caterpillar mushroom'.

'Cordyceps militaris also called 'super mushroom' for its host of medicinal properties can potentially boost immune system. Cordyceps capsule products have now been prepared using freeze-drying or lyophilization methods to help boost people's immunity during the covid-19 pandemic. BU has also distributed Cordyceps capsules to civilians and frontline workers of covid-19 in Kokrajhar town free of cost,' said Prof. Sandeep.

BU led by Prof. Sandeep had earlier also imparted training on organic oyster mushroom cultivation in a low-cost scientific mushroom house developed at Kalaktang under the guidance of experts from the BU and Tezpur University (TU), Assam.

Tezpur University assistant professor Dr. ND Namsa informed that the cultivation of oyster mushroom using organic methods is being continued at Kalaktang and is expected to expand in a large-scale set up in years to come under the joint initiative of BU, Kokrajhar.



त्रिवेणी अस्पतालको उद्घाटन
जीटीए क्षेत्रका निम्ति दूलो

समाचारपत्रले कोरोना फैलिदैन : डा. भोटिया

रोग प्रतिरोधक क्षमता वृद्धि गराउने सुपर मसरूम पाउडर

सिलगढी, २२ जून: कोभिड-१९ को वैश्विक महामारी अवधि असमको सबैभन्दा कान्छो विश्वविद्यालय बोडोल्याण्ड विश्वविद्यालयले रोग प्रतिरोधक क्षमता वृद्धि गराउने च्याउको पाउडर विकास गरिएको ठोकुवा गरेको छ। यो पाउडर कोर्डिसेप्स मिलिटेरिस नामक सुपर च्याउबाट उत्पादन गरिन्छ।

कोभिड-१९ महामारी फैलिएपछि बायोटेक्नोलोजी ल्याबोरेटोरीको सुविधा उपलब्ध अधिकांश विश्वविद्यालय अनि संस्थानहरूले जस्तै बोडोल्याण्ड विश्वविद्यालयले हात अनि नाकको सुरक्षामा आवश्यक पर्ने इक्विपमेण्टका लागि कार्य गरेको थियो। बोडोल्याण्ड विश्वविद्यालयले कोरोना भाइरस विरुद्ध लडाईं लड्न व्यक्तिको रोग प्रतिरोधक क्षमता वृद्धि गराउने दिशातिर पनि ध्यान दिँदै काम गरिरहेको थियो। त्यसैको फलस्वरूप एकदमै कम्ती तापमान माइनस (-) ८० डिग्री सेण्टिग्रेडमा सुकाएर बनाइने कोर्डिसेप्स मिलिटेरिस पाउडर प्राप्त हुन सकेको छ। संसारमा ४०० भन्दा अधिक प्रजातिका कोर्डिसेप्स पाइन्छ। कोर्डिसेप्स कीरा अनि अन्य जातीय ढुँडीमाथि आश्रित ढुँडी नै हो। सुपर मसरूम नामले चिनिने कोर्डिसेप्स मिलिटेरिस यसमा पाइने एण्टी एजेड, एण्टी भाइरल अनि रोग प्रतिरोधक क्षमतालाई बढाउने विशेषताका लागि चर्चित छ।

बोडोल्याण्ड युनिभर्सिटीका डीन सन्दीप दासले भने, प्राकृतिक कोर्डिसेप्स पाउन अत्यन्त कठिन हुन्छ अनि यसलाई सुकाएर प्राप्त गरिए त्यसको प्रति किलो मूल्य ८ लाख रुपियाँ पर्दछ। हाम्रो विश्वविद्यालयले २०१७ देखि नै कोर्डिसेप्स मिलिटेरिस कम्ती मूल्यमा उत्पादन गर्दै आइरहेको छ। सन्दीप दास बोडोल्याण्ड विश्वविद्यालयको



साइन्स अनि टेक्नोलोजी विभागका डीन हुन्। केन्द्र सरकारको बायोटेक्नोलोजी विभागबाट सहयोग प्राप्त टेक्नोलोजी इन्व्युबेसन सेण्टर अन मसरूमका पनि दास प्रमुख हुन्।

दासले भने, हामीले कागजमा १५० मिलिग्राम सुपर मसरूम पाउडर लगाएर ससाना पोका बनायौं। छेउछाउ इलाकाका ५०० जना मानिसहरूलाई हर्बल सेनिटाइजर अनि मास्क वितरण गर्दा ती पोकाहरू पनि हामीले वितरण गरिदियो। भाइरसको आक्रमणलाई रोक्न शारीरिक रोग प्रतिरोधक क्षमता बढाउन हप्तामा सुपर मसरूमको एक डोज नै पर्याप्त हुन्छ। महाराष्ट्रको नासिकस्थित बायोटेक्नोलोजी विभागले सुपर मसरूम पाउडर क्यापसुलको माग गरेको पनि दासले बताएका छन्। तिनले चाँडै उक्त माग बोडोल्याण्ड विश्वविद्यालयसमक्ष आइपुग्ने पनि बताए। व्यावसायिक रूपमा उत्पादन गरिए सुपर मसरूम पाउडर क्यापसुलको मूल्य १२० रुपियाँ पर्ने पनि दासले जनाएका छन्। तर जनसाधारणका निम्ति पनि किन्न सहज हुने कम्ती मूल्यमा सुपर मसरूम पाउडर उपलब्ध गराउने विश्वविद्यालयले प्रयास गरिरहेको दासले थप बताएका छन्।

file:///C:/Users/SD/Downloads/1591800981India%20Science%20and%20Innovation%20Weekly%2001%20June%202020.pdf

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Embassy of India, Berne 01 June 2020

INDIA SCIENCE AND INNOVATION WEEKLY

Ask the right questions, and nature will open the door to her secrets.

- Dr. C.V. Raman, The Nobel Prize in Physics 1930

50,000 samples to be tested in CSIR's new generation kit

Council of Scientific and Industrial Research (CSIR) has developed a new generation testing kit that would help in testing about 50,000 samples at one go. The new testing kit is accurate and faster than the pooled RT-PCR testing kits, wherein any positive sample among the thousands of samples can be identified without testing all the samples separately as opposed to RT-PCR testing, where the samples, if mixed, then all the samples have to be examined separately.

NRDC to promote technologies designed to fight COVID-19

The National Research Development Corporation (NRDC) has prepared a compendium of 200 technologies developed by different laboratories, IITs, Micro, Small and Medium Enterprises (MSMEs) etc. in the last few months in order to fight COVID-19. The NRDC has also launched a funding scheme to promote projects developed by various institutions, whereby INR 2 lakh would be granted under techno-commercial support and INR 10 lakh for some priority projects.

Assam university develop fungal powder to boost immunity

In Assam's Bodoland University, scientists have pioneered a fungal powder cultivated by freeze-drying a super-mushroom called Cordyceps. According to the University, a weekly dosage of 150 mg of the powder will make the system strong enough to resist viral attack.

Herbal inhaler from NBRI helps soothe irritation caused by mask

A nasal inhaler spray made by National Botanical Research Institute (NBRI) has been manufactured to help relieve the uneasiness and choking sensation that many people feel whilst wearing the masks to protect themselves against COVID-19. The essential and herbal oils in the Ayurvedic spray relieve frayed muscles and make one feel easy.

CCMB's work towards COVID-19 vaccine development

Centre for Cellular and Molecular Biology (CCMB)'s ability to culture the virus in the lab has enabled the research establishment to work towards vaccine development and testing potential drugs to fight COVID-19. CCMB is also a potential donor of the culture to other authorized centres. Using the Vero cell lines to grow the coronavirus, CCMB is now in a position to isolate and maintain viral strains from different regions. CCMB has also started testing potential drugs with other partners, such as DRDO, using this viral culture.

Microsoft India funds two IIT Delhi projects on COVID-19 detection

Microsoft India supported two projects of Indian Institute of Technology (IIT) Delhi that focuses on research to tackle the COVID-19 crisis. The first project pertains to the Indian Council of Medical Research (ICMR) approved *probe-free Real-Time PCR-based COVID-19 detection assay* developed at the Kusuma School of Biological Sciences, IIT Delhi. This probe-free technology will be more affordable and easily scalable. IIT Delhi is the first academic institute successful in offering a test that has been approved by ICMR. The other project is a collaboration between IIT Delhi and National Chemical Laboratory, Pune, and aims to develop an *ELISA based diagnostic serological assay* against COVID-19. Microsoft India will assist in the commercialisation of the probe free detection assay developed at IIT Delhi and also fund research on examining the possibility of creating an ELISA like assay for COVID detection.

Special Update: National Dairy Research Institute, Karnal

The National Dairy Research Institute as country's premier Dairy Research institution has developed considerable expertise over the last five decades in different areas of Dairy Production, Processing, Management and Human Resource Development. Information generated at the Institute and the services offered have contributed to the growth of Dairy Industry as a whole and well-being of millions of milk producers and consumers of milk and milk products. Realizing the challenging need of global Dairy Trade, the Institute is continuously working to develop its R&D and human resource development programmes to better serve the nation in terms of food security, employment generation, poverty alleviation and economic prosperity.

The National Dairy Research Institute undertakes research, teaching and extension activities towards dairy development in the country. Being the National Institute, it conducts basic and applied research with the objective to enhance animal productivity and also to develop cost effective technologies for the benefit of the teeming millions. Further, the Institute provides high quality manpower to meet the human resource requirements for the overall dairy development in the country. The Institute also undertakes extension programmes for transferring the know-how from the laboratory to the farmers' fields.

The R&D activities of the Institute mainly focus on three fundamental facets of Dairying i.e. production and management of dairy animals for better productivity, innovating suitable milk processing technologies and equipments, and providing the dairy farmers and entrepreneurs with information about existing market demands and practical management inputs for making dairying a self-sustaining, profitable business. Research, both in basic and applied aspects, in various disciplines constitute the core activity of the Institute.

Further details can be found at:
<http://www.ndri.res.in/ndri/Design/index.html>

For more information, please visit our website www.indiembassybern.gov.in or write to dcm.berne@mea.gov.in

আন্তর্জাতিক গুডেডজা

আজি ১০ তম বর্ষিক
"সুভাসে" ৫০ উপলক্ষে
স্বাধীনতার লক্ষ্যে বি বি টিভিতে
সবুজ কীটনাশক আন্তর্জাতিক প্রকল্পের
স্বাক্ষর অনুষ্ঠান অনুষ্ঠিত।
স্বাক্ষর করেছেন
ড. সন্দীপ কুমার
মুখার্জী, ভারত



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আমাদের নাকডাকের এই
সংখ্যায় বঙ্গোপসেত
বিহীন বিশেষ সংখ্যা
হিঁচাপে - হাফেল
পাইবে।
-কবিগুরু

দাপোণ

১৫ জানুয়ারি ২০১৬, বুধবার | কলকাতা | পৃষ্ঠা ১ | ১৫ জানুয়ারি ২০১৬ | ১৫ জানুয়ারি ২০১৬ | ১৫ জানুয়ারি ২০১৬

In the dynamic Leadership of A.K.Boro, E.M.(Agri.) BTC Approaches -towards increasing Crop Production, Productivity and Socio-Economic upliftment of farming communities of BTC



The Bodoland Territorial Council (BTC) occupies a vast geographical area of 9681 Sq.km with 31,31,847 Nos. population (As per 2011 census) of different Tribes wherein about 79% population solely dependent on agricultural based activities for their lively hood. The BTC falls under the Agro-climatic Zone of Lower Brahmaputra valley Zone covering Kokrajhar, Chirang and Boko Districts and a part of north bank plain zone covers a part of Chirang District. The Northern part of the Council areas touches the foot hills of Bhutan with different ecological and climatic condition with diversified cropping pattern.

Based on soil status, temperature, rainfall, existing irrigation potentialities including natural water sources as well as demand for Agri. food products - three types - of cropping sequences may be adopted in the existing Agro-climatic zones in the BTC viz. from March to July (Kiss - green gram), July to November (Winter Rice) and from October to February (Potato, vegetables, maize, pum, pulses and oil seeds). Presently farm communities of BTC practicing single to double cropping system based on soil type and existing irrigation facilities. The practices of multiple cropping system is also adopted by the farmer in some localized area having all production factors by means of which, the farmers generating more income and meet up - their food requirements from their limited land resources.



In the availability of cultivable land in BTC is covered 3,19,213 Hec, covered by food crops out of which 3,12,828 Hec, covered under rice crops of which around 85% area covered by high yielding varieties (H.V.V.) paddy. A stretch 66,292 Hec, covered only by shilonda out of which crop and mustard cover 13629 Hec, 20521 Hec, by pulses, 15,521 Hec, by condasmat and spinar, plantation crops 29241 Hec, vegetables (both Khairi and Boko) including potato cover 39844 Hec. In view of the present status of cropping pattern and crop coverage, the cropping intensity varies around 175%, which is to be enhanced to 200% in near future by way of utilizing the below cultivable land for seasonal high value horticultural crops etc.

Considering the existing area coverage by some major food crops, it may be ascertained that there is an ample scope for increasing area under different major food crops as well as high value horticultural crops is met up by the requirement of food grain, fruit / vegetables locally by increasing production and productivity.



The Department of Agriculture, BTC, presently is giving more emphasis on the following few aspects / criteria to increase crop production, productivity with a basic objective to maximize agro food products for local requirement of food and also to generate maximum financial return from the existing land resources and also to create self-employment opportunities.

*Introduction of quality high yielding varieties (H.V.V.) / hybrid varieties for rice, maize, oil seeds like mustard, pulses, sugar-cane, horticultural crops like potato, Arum bonna and soft fruits crops - orchard by providing quality seeds, planting materials etc. at free of cost to the selected farmers under SOPD - BTC as well as centrally sponsored scheme like Rashtriya Krishi Vikas Yojana (R.K.V.Y.) and national food security mission (NFSM). There is a provision to produce certified H.V.V. tall paddy seeds in departmental seed farm to make available of H.V.V. seeds locally.

*To provide power tiller, paddy thresher and small Agri. implements at reasonable subsidized price to the selected farmer / groups to encourage farm mechanization and also to create self-employment opportunities through mechanized youth, including farm women which results higher crop production, productivity with reduced cost of cultivation in peak crop season. *To provide covered irrigation facilities by way of improvement of land, water (Cont. P.2)



Mushroom Spawn Unit sponsored by Department of Agriculture, BTC has been a great boon to farmers of BTAD especially the mushroom growers. Mushroom cultivation has a great scope in BTAD due to wide marketing scope in the trans Boundary area of Bhutan and adjoining states. The Mushroom Spawn Unit is established in 2016 in dept. of Biotechnology, Bodoland University led by Dr. Sandeep Das, Associate Professor and Head, Dept. of Biotechnology. Till now the unit has trained 1266 farmers, has established 22 new mushroom units and produced more than one tons of fresh spawn (seed). It has been estimated that more than 70-80 lakhs in terms of gross domestic product

News in Column-1

Bus Fare Not Hiked By ASTC: Chairman

Online Features, June 08: The Assam State Transport Corporation (ASTC) Chairman Ashok Bhattarai said that some people spread fake news that the ASTC has hiked the bus fare. He said this through a press conference

The Bodoland Express

e-paper : http://www.bodolandexpress.com



Hasan Ali responding well to virtual rehab session, PCB to provide financial aid



Post lockdown, Akshay Kumar-Kareena Kapoor's Good Newz, Ayushmann Khurrana's Dream Girl to re-release in UAE: report

NOTICE

This is to inform to all readers, agents and advertisers that the issues of the "The Bodoland Express" will publish in Black and White only till the LOCK DOWN is open in connection with the CORONIA VIRUS. The price of the issues of the news paper will be the same. At any circumstances, in case of colour pages will be published of any issue of the news paper, no price will be changed until further notification.

Managing Executive, The Bodoland Express.

safe ways to socialize, engage in physical activity and make healthy choices."The StatCan report pointed to a considerable increase in consumption of junk food and sweets over the

dividuals of all ages."However, the survey also found that Canadians were largely being careful when it came to coronavirus-related precautions. There were increases in

recorded 7800 deaths due to the coronavirus with 95684 infected.

China promised to strengthen international cooperation in future clinical vaccine trials. The confirmed global death toll from the pandemic reached at least 400,000. At least 6.9 million people have been infected across the world by the coronavirus,

the pandemic. The head of the Chinese Center for Disease Control and Prevention briefed his US counterpart by phone on the then-unknown virus as early as January 4, according to the white paper. Meanwhile, Shanghai Junshi Biosciences has started an early-stage study in China to test a potential antibody treatment in uninfected people, official paper Liberation Daily said on its online channel on Sunday. The experimental drug, JS016, is also expected to begin human study in the US in the second quarter of this year, through collaboration with Eli Lilly and Co. Junshi is among a few biotech firms and research institutes backed by global pharmaceutical giants to work on antibody-based therapies to help those infected with Covid-19.

Bodoland University develops super mushroom for boosting immunity during pandemic



E.N.N.Kokrajhar, June 08: Bodoland University of Assam's Kokrajhar has developed a specialized fungal powder from a super mushroom known as Cordycep militaris to help people boost immunity during the COVID-19 pandemic. "It was prepared by freezing,

The outcome was a potent pinch of C militaris, powdered through lyophilization at -80°C. The earth has more than 400 species of Cordyceps, a fungus parasitic on insects as well as other fungi," said Sandeep Das, Dean of BU's faculty of Science and Technology. "Natural Cordyceps is hard to

get and if dried, costs at least Rs.8 lakh per kg. Our lab has been growing C. militaris since 2017 at a fraction of the cost," he added. The mushroom is well known for its immune-modulating effect, anti-aging, anti-viral as well as energy booster effect. Das also heads the Technology Incubation Centre on

Mushrooms that is funded by the Central Government's Department of Biotechnology, in the university. Bodoland University has decided to provide Cordycep capsules for free to civilians to boost immunity to thwart COVID-19 and its capsulation process is underway. Sources said

the Department of Biotechnology of the university has already ordered capsules in two sizes from a firm based in Nashik in Maharashtra. Each capsule containing the powdered super mushroom would cost Rs 120 if produced commercially.

SIKKIM EXPRESS

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SIKKIM EXPRESS

OF THIS LAND, FOR ITS PEOPLE

Good Morning Sikkim, today is SUNDAY, 28 JUNE, 2020 REGD NO. WB/SKM/02/2018-2020 VOL. XXXIV NO. 174 RNI No. RN 40962/1990 www.sikkimexpress.com ₹ 5.00



the importance of yoga as an activity brings hope as young people may choose yoga as their career. Yoga is an ancient physical,

and mental discipline in which the declaration of the yoga day as (Yoga) Masters in Arts (Yoga), PG Diploma in Yoga Therapy and certificate courses in yoga are also available. One may

begin a career in yoga by the declaration of the yoga day which brings opportunity for employment for individuals who are trained in this field.

of the Ministry for Sports activities. Since inception, the Council is involved in various activities related to the development of these systems

be reached at bhrajniti@gmail.com or 8473943754 for any career related queries)

functions. Face Yoga is very powerful in stress management too. The movements of face yoga while

have referred brain tumour patients and their caregivers to consider using face yoga. I suggest a combination of stem cell therapy and yoga for better rehabilitation and in cases of post brain tumour operation", adds Dr Mishra.

What it takes to do face yoga? Yoga instructor, Minal Potnis advises - "Try the sour smile! Close your lips hard. Tighten the corners of your mouth and smile pulling the corners of your mouth towards your ears. Hold the position till counting 15. Keep breathing forcefully. Relax breath till

may affect speech, swallowing and breathing. Patients may not be able to speak clearly and over time can also lose the ability to speak. Face yoga works to improve the muscle strength of face, mouth, neck and scalp. Increased blood circulation leading to hectic oxygenation brings a difference. Exercises involving lip, cheek and tongue help to improve speech and swallowing difficulty", says a rehabilitation advisor.

Mushroom powder to boost immunity developed at Bodoland University

This writeup has been prepared to initiate mushroom cultivation programme as a mode of livelihood among local communities of Sikkim. Prof. Sandeep Das (Dept. of Biotechnology) & Dean of Bodoland University, faculty of science and technology is the pioneer in this study. He is willing to establish such study in various parts of the country and ready to facilitate training for cultivation of basic mushroom, advanced mushroom and super mushrooms in vivo, in vitro and its commercialization. The information provided here is experimentally established and shared by Prof. Sandeep Das.

A brief information about Mushroom (Cordyceps spp.)

Super mushroom:

Mushrooms contain protein, vitamins, minerals, and antioxidants. These can have various health benefits and high nutritional value. Cordyceps is a parasitic fungus that includes over 400 different species which are found all over the world which are mainly parasitic on insects and other arthropods and a few are parasitic on other fungi.

Benefits: Cordyceps is used to treat coughs, chronic bronchitis, respiratory disorders, kidney disorders, night-time urination, male sexual problems, anaemia, irregular heartbeat, high cholesterol, liver disorders.

400 species of Cordyceps discovered, two have become the focus of health research: Cordyceps sinensis and Cordyceps militaris. Natural cordyceps is hard to get and may be expensive which promoted for its cultivation at

Technology Incubation Centre on Mushroom, Bodoland University is in a capacity to grow this mushroom in laboratory conditions since 2017 in mass scale and almost a pioneer in the field. Published scientific papers dissipates information about the efficacy of Cordyceps against H1N1 and influenza virus. Though the lab standardization and its related research got initiated in his lab since 2012.

<https://pubmed.ncbi.nlm.nih.gov/25037880/>

Cultivation Duration and feasibility to cultivate in vivo and dependency on environmental conditions required.

It needs 60 days for a crop cycle. It requires specific photoperiod, enriched media and an encapsulated environment with all the parameters at optimum to mimic the natural habitat with optimum gaseous exchange. The mode of cultivation may be vegetative, egg & dead pupa, only egg and alive pupa (natural host). An average human can consume upto 0.5 to 3gm on dry weight basis. Though 150 mg Cordyceps powder is a decent amount to initiate feeding



From left: 1) Harish Upadhyay (blue lab coat) 2) Amrit Debnath 3) Prof Sandeep Das 4) Vashkar Bisra

mass population regularly for immediate immune boosting.

Mushroom commercialisation:

Since the mushroom is full of medicinal virtues, there is a wide possibility of mass commercialization. Even the used substrate of the mushroom can also be commercialized. Depending on the level of Cordycepin, the international price varies. Also, the international price varies with the mode of production like vegetative, egg & dead pupa or only egg or alive pupa. The price varies from few lakhs to 8 to 9 lakhs depending on the level of cordycepin.

How it will help:

Due to Covid 19 the local communities have been facing various issues in earning their livelihood as the collection of seeds and leaves was restricted. It eventually caused loss to those groups who are totally depending on the forest for their day to day lives. They may be able to earn better living with mushroom cultivation as it is easy to do so by providing some optimum condition. Also, there is no major requirement of specific environmental condition and can be grown with some specific efforts. It is not very difficult but can be proven as an efficient way to earn living with a minimum land requirement.

Vitamin D

Vitamin D is very important for the upkeep of bone and overall health. Lack of vitamin D in the body can make you a host for various chronic disease and infections. **Vitamin D benefits** • Plays a major role in improving bone health since it is necessary for the absorption of calcium in the body. • Improves immunity, along with brain and nervous system. • Plays a role in regulating insulin levels, and hence, helps in the management of Type 2 Diabetes. • Helps in the improvement of lung function and cardiovascular health. • Also plays an important role in the management of obesity. **Vitamin D deficiency is linked to the deficiency of Calcium.** This is mainly due to the fact that the body needs the

3. Your kidneys cannot convert vitamin D to its active form

As a consequence of being less efficient at converting vitamin D to its active form and thus increasing the chances of a deficiency. **4. Low rate of absorption** Digestive disorders like celiac disease or chronic disease can reduce the rate of absorption of vitamin D in the stomach. **Symptoms of Vitamin D deficiency** • Lowered immunity • Pain in the bones • Fatigue and weakness • Mood swings • Anxiety • Palpitation • Hair loss • Scleromyeloma • Obesity **Overcoming Vitamin D deficiency** The following methods can help increase the vitamin

Mushroom powder to boost immunity developed at Bodoland University

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Benefits: Cordyceps is used to treat coughs, chronic bronchitis, respiratory disorders, kidney disorders, night-time urination, male sexual problems, anaemia, irregular heartbeat, high cholesterol, liver disorders,

400 species of Cordyceps discovered, two have become the focus of health research: Cordyceps sinensis and Cordyceps militaris. Natural cordyceps is hard to get and may be expensive which promoted for its cultivation at

Technology Incubation Centre on Mushroom, Bodoland University is in a capacity to grow this mushroom in laboratory conditions since 2017 in mass scale and almost a pioneer in the field. Published scientific papers dissipates information about the efficacy of Cordyceps against H1N1 and influenza virus. Though the lab standardization and its related research got initiated in his lab since 2012.

<https://pubmed.ncbi.nlm.nih.gov/25037880/>

Cultivation Duration and feasibility to cultivate in vivo and dependency on environmental conditions required.

It needs 60 days for a crop cycle. It requires specific photoperiod, enriched media and an encapsulated environment with all the parameters at optimum to mimic the natural habitat with optimum gaseous exchange. The mode of cultivation may be vegetative, egg & dead pupa, only egg and alive pupa (natural host). An average human can consume upto 0.5 to 3gm on dry weight basis. Though 150 mg Cordyceps powder is a decent amount to initiate feeding

How it will help:

Due to Covid 19 the local communities have been facing various issues in earning their livelihood as the collection of seeds and leaves was restricted. It eventually caused loss to those groups who are totally depending on the forest for their day to day lives. They may be able to earn better living with mushroom cultivation as it is easy to do so by providing some optimum condition. Also, there is no major requirement of specific environmental condition and can be grown with some specific efforts. It is not very difficult but can be proven as an efficient way to earn living with a minimum land requirement.

Mushroom commercialisation:

Since the mushroom is full of medicinal virtues, there is a wide possibility of mass commercialization. Even the used substrate of the mushroom can also be commercialized. Depending on the level of Cordycepin, the international price varies. Also, the international price varies with the mode of production like vegetative, egg & dead pupa or only egg or alive pupa. The price varies from few lakhs to 8 to 9 lakhs depending on the level of cordycepin.



From left: 1) Harish Upadhyay (blue lab coat) 2) Amrit Debnath 3) Prof Sandeep Das 4) Vashkar Bisra

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THE TIMES OF INDIA

Room for innovation? These super mushrooms will fetch farmers 8L per kg

TNN | Jul 7, 2020, 04:50 AM IST

Ludhiana: For progressive farmers looking to innovate further, “super mushroom” could be the way forward. Also called *Cordyceps militaris*, cultivation of this rare mushroom can open up new avenues, said Sandeep Das, dean of Bodoland University in Assam and faculty of science and technology, who has developed ways to cultivate the mushroom. According to Das, the mushroom’s immunity boosting properties have made it sought-after product in the Covid-19 era. Thus its cultivation could only benefit farmers, he added.

Das told TOI, “Farmers of Punjab have advance technology when it comes to farming and they can develop good labs easily. One kilo of dry *Cordyceps* mushroom will fetch farmers in lakhs. According to information available with us, a 27,000 sq feet laboratory can give an annual turnover of eight tonne of *Cordyceps* mushroom.”

The cultivation of *Cordyceps* is done in a temperature and humidity regulated laboratory and takes around 60 days for the full cropping. After harvesting, the fruiting body of *Cordyceps* are freeze dried (@-86°C) which restores it’s original texture and medicinal efficacy. The freeze-dried super mushroom are grinded to fine powder and are encapsulated with veg capsules.

According to Das, department of biotechnology, government of India, sponsored technology incubation centre for mushroom culture and farming and Assam’s Bodoland University is taking the initiative to make this technology available to farmers across the Country. Das heads the incubation centre.

We have more than 400 species of *Cordyceps*, a fungus parasitic on insects as well as other fungi, said Das, adding that the super mushroom is known for its anti-ageing, anti-viral, anti-diabetic, energy boosting and immunity-boosting properties.

“Natural *Cordyceps* is hard to get and if dried, costs at least ₹8 lakh per kg,” said Das.

<https://timesofindia.indiatimes.com/city/chandigarh/room-for-innovation-these-super-mushrooms-will-fetch-farmers-8l-per-kg/articleshowprint/76822046.cms>

1/2

Apart from super mushrooms, Das also said if the condition is optimum, basic and advance mushrooms can be cultivated easily. “Due to Covid-19, the local communities have been facing various issues in earning their livelihood. They may be able to earn better living by cultivating these mushrooms, as they can be grown with some specific efforts, with a minimum land requirement.”

Kinds of mushrooms

There are three types of mushrooms — basic mushrooms, advanced mushrooms and super mushrooms. Basic mushrooms are taken on daily basis and treated as food. Advanced mushrooms are medicinal. Super mushrooms contain protein, vitamins, minerals, and antioxidants. These can have various health benefits and high nutritional value. *Cordyceps* particularly is a parasitic fungus that includes over 400 different species, which are found all over the world.

Room for innovation? This 'super mushroom' will fetch ₹8L per kg

Pic: Freshcapmushrooms.com



The cultivation of Cordyceps is done in a temperature and humidity regulated laboratory and takes around 60 days for full cropping; a 27,000 sq ft lab can give annual turnover of 8 tonne

Union Govt Is Making Tech Available To Farmers

Mehak Jain | TNN

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Fun with fungi

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"Due to Covid-19, the local communities have been facing various issues in earning their livelihood. They may be able to earn better living by cultivating these mushrooms, as they can be grown with some specific efforts, with a minimum land requirement," he added.

The Shillong Times

THE SHILLONG TIMES, SHILLONG, TUESDAY, JULY 7, 2020

220 COVID cases detected among Assam Police personnel

From Our Special Correspondent

GUWAHATI: Assam Police personnel have been found to be infected with COVID-19. The police force has been ordered to undergo a 14-day quarantine period. The police force has been ordered to undergo a 14-day quarantine period. The police force has been ordered to undergo a 14-day quarantine period.

Force fully committed to delivering services in trying times: DGP

The police force is fully committed to delivering services in trying times. The police force is fully committed to delivering services in trying times. The police force is fully committed to delivering services in trying times.

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Assam to begin mass testing from today

From Our Correspondent

Assam is set to begin mass testing for COVID-19 from today. The state government has announced that it will start testing people in various parts of the state.



A health worker collects a sample from a COVID-19 testing centre in Guwahati on Monday. (PTI)

Cops detain 559 vehicles, arrest 8 in Guwahati

Lockdown rules flouted after partial relaxation of curbs

From Our Special Correspondent

In Guwahati, police have detained 559 vehicles and arrested 8 people for flouting lockdown rules. The police force has been ordered to enforce strict lockdown measures.



Police officers detain a vehicle for flouting lockdown rules in Guwahati on Monday. (PTI)

COVID-19 tally in Northeastern states

5 more BSF jawans test positive in Mizoram

In Mizoram, five more Border Security Force (BSF) personnel have tested positive for COVID-19. The state government has announced that it will start testing people in various parts of the state.

35 new cases in Nagaland, total now 625

In Nagaland, 35 new COVID-19 cases have been reported, bringing the total number of cases to 625. The state government has announced that it will start testing people in various parts of the state.

Medical service suspended in hospital after patient tests +ve

At least 10 people have tested positive for COVID-19 in a hospital in Guwahati. The hospital has suspended medical services for several days.

Assam varsity works on immune booster for COVID

The Bodoland University of Assam has been working on developing an immune booster for COVID-19. The university has been working on developing an immune booster for COVID-19.

Tackling Baghjan-like mishaps Pro-talks ULFA leader asks PSUs to create expert pool

ULFA leader has asked the government to create an expert pool to tackle Baghjan-like mishaps. The leader has asked the government to create an expert pool to tackle Baghjan-like mishaps.

Assam flood situation improves; death toll rises to 38

The flood situation in Assam has improved, but the death toll has risen to 38. The state government has announced that it will start testing people in various parts of the state.



Assam flood relief work is in progress in various parts of the state. (PTI)

Wildlife sanctuary to be upgraded to national park

The government has decided to upgrade a wildlife sanctuary to a national park. The state government has announced that it will start testing people in various parts of the state.

Assam varsity works on immune booster for COVID

GUWAHATI: The Bodoland University of Assam has been working on lab-grown CORDYCEP-the Super Mushroom which will work as immune booster against COVID-19 virus.

The Department of Biotechnology at the university has been working for the innovations since 2017. "We have been certified with FSSAI and ISO: 9001:2015. Though we have made a total of eight innovations, we would like to focus on laboratory-cultured Cordyceps militaris powder for capsules as health boosters," a statement from Bodoland University said.

The Cordyceps are known for their medicinal virtues, especially antiviral, anti-bacterial, anti-diabetic, anti-tumour, energy boosters and immune boosters.

The unit has given 250 gm of Cordyceps powder to the people for boosting immunity.

The main difference between this technology and other such product is that the former is freezer drying (-86°C) and the latter is oven-dried or heat dried.

9435701585

The Shillong Times, 7th July '20



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Advertisement for 'Sister Nivedita' featuring a portrait of a woman and text in Bengali and English. The text includes 'সিস্টার নিবেদিতা' and 'www.tripuratimes.com'.

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TRIPURA TIMES
Bengali Philosophy, by its genius, springs from a sense of our voice, and all our emotions it is that first teaches us the right."

Juvenal
EDITORIAL

The sword of damocles!

The present government headed by the Chief Minister... The sword of Damocles is a metaphor for a situation of great peril or danger that hangs over someone's head, ready to fall at any moment.

An emotion is just an emotion

When you have a strong emotion like fear or despair, you should know how to take good care of it, because it can be overwhelming. At that point you cannot say, "Present moment wonderful moment," because your emotion is so painful, so overwhelming. But learn how to deal with that emotion, to embrace it, because in each of us, there is the seed of mindfulness.

Super mushroom: Harbinger of a change

These are some health benefits and nutritional value of Cordyceps. Cordyceps is a parasitic fungus that includes over 400 different species which are found all over the world which are mainly parasitic on insects and other arthropods and a few are parasitic on other fungi.

MESSAGE

Hinduism would not be eternal were it not constantly growing and spreading, and taking in new areas of experience. Precisely because it has this power of self-addition and re-adaptation, its greater degree than any other religion that the world has ever seen, we believe it to be the one immortal faith.

Sister Nivedita

NURTURE THE NATURE
Van Srijan : Unique Attempt to Conserve the Biodiversity in Tripura

Van Srijan is a unique attempt to conserve the biodiversity in Tripura. It is a project that aims to protect the natural resources and the environment of the state. The project is led by the Van Srijan Trust, which is a non-profit organization that is dedicated to the conservation of the natural resources of Tripura.

ASTRO TODAY

Today's planetary positions are very significant. The sun is in the sign of Cancer, and the moon is in the sign of Libra. This combination is known as the 'Moon in Libra' and is considered to be a very auspicious time for the start of new ventures and projects.

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Volume 7, Issue 332, Thursday, July 16, 2020 Malyopham Palcha kumring 3418

Rs. 2/-

Differences settled: MLA T. Robindro is with the BJP-led Govt. now

IT News

latest and advanced MRI and ECHO machines among others.

Director of the RIMS, Dr. A. Santa while talking over the phone to Imphal Times said that the Institute he is heading now can boast of having the latest world-class MRI and ECHO machines among others. "Amidst financial constraints we felt it essential that RIMS have the latest medical science technologies and for that, we had ordered the latest world-class medical technologies including MRI machine from SIEMENS Company, Germany before COVID-19 pandemic

begins", Dr. Santa said adding that the MRI machine arrived yesterday along with others. It may take a month for installation but RIMS now has the latest MRI machine, a proud Dr. Santa told Imphal Times. RIMS currently have MRI facility but there have been complaints about the machine being obsolete and keeping in view of growing advancement in diagnostic research, the latest world-class machine to be installed at RIMS will help

thousands of patients in the state. Along with the MRI Machine, one latest ECHO Machine has also arrived and installed at the Cardiology Department of the hospital. In addition to the 2 Dialysis machines already installed in view of the COVID-19 investigation, 10 more new dialysis machines have also been arrived and installed. Except for the MRI, all installed technologies will start functioning within the next few days, Dr. Santa added.

When general people have the misconception about RIMS authority neglecting other diseases and concentrating only on COVID-19, the latest addition of the mentioned latest technology including Germany's SEIMEN Company MRI machine, 4 (four) new X-Ray machine and 6 (six) more latest ultra Sound Machine which arrived yesterday, the criticism about RIMS about having inadequate medical equipment is now history.



withdrew support to the ruling BJP-led coalition

JCILPS warns of unchecked entry of outsiders in the state during COVID pandemic

BU develops fungal powder to boost immunity

Dr.Kh.Aloisam

Bodoland University, one of the youngest University of Assam located at Kokrajhar claims it has developed a fungal powder to help people boost immunity during time of a global pandemic, Novel Coronavirus. The powder is prepared from a parasitic but rare super mushroom called Cordyceps militaris. Cordyceps are known for their medicinal values especially

anti-viral, anti-bacterial, anti-diabetes, anti-tumour, energy boosters and immune boosters.

There are three 3 types of mushrooms basic mushroom, advanced mushroom and super mushroom. Basic mushroom are taken for daily basis and treated as food. Advanced mushrooms are medicinal. Super mushrooms contain protein, vitamin, minerals and antioxidants. This can have various health benefits and high medicinal value. Cordyceps particularly is a parasitic fungus that includes over 400 species which are found all over the world...

mushroom will fetch farmers in lakhs. According to information available with us a 27000 sq. feet laboratory can give an annual turnover of eight tone of Cordyceps mushroom. Cultivation of Cordyceps is done in a temperature and humidity regulated laboratory and takes around 60 days for cropping. After harvesting, the fruiting body of Cordyceps are freeze dried (@86°C) which restores its original texture and mushrooms are grinded to form powder and are encapsulated veg capsule. The incubation centre of the mushrooms will soon extend in our state also. The required proposal has been made by the Head of the Department of Biotechnology, Northeast

Education Minister launches the first educational channel for Manipur "LAIRIK" on JIOTV

IT News

Imphal, July 16:

Education Minister Dr. Thokchom Radheshyam today launched the first Educational Channel for Manipur called "Lairik" TV Channel on Jio TV at his Office Chamber, New Secretariat. He expressed gratitude to Shri R. V. Balasubramanian Iyer, Vice President, Reliance Jio Infocomm Limited and Jio TV for the support to the Department and the State which will benefit both the teachers and students.

He said that Jio TV is providing the platform free of cost to the Government of Manipur for running the channel as well as for the subscribers, across the country. Appreciating the

teachers, officers and firms involved in the preparation of the e-content, he added that without the dedication and contributions made by them the channel would not have been launched.

Dr. Th. Radheshyam stressed that efforts are on from the department to ensure that the learning teaching process takes place in the state in one way or the other during these uncertain times of pandemic. The digital e-content based website www.lairik.net / www.lairik.net was launched, e - textbooks, e - contents of study materials and notes prepared by teachers have been uploaded and print out copies for the same are distributed through the ZEOs and officials concerned. Radio

classes are also being carried out through All India Radio, Imphal. He said that the education department is for the people especially for the young minds and sought opinion and constructive suggestions.

Highlighting the benefits of hosting the channel on Jio TV, he stated that the channel schedule is managed by the Department of Education, Manipur. Live programs (classrooms) can be integrated within the same channel. The same channel can host programs in local languages as well besides English. Jio TV is offering for additional channels to launch class-wise contents. Through the channel, students can watch the contents easily on a mobile phone instead of depending on a TV unit. (Smart

phones or even Jio Phone is capable of showcasing Jio TV). LAIRIK channel will be visible across India. Out of 700 channels on Jio TV - 64 channels are dedicated to Education - hosted by Ministry of HRD (Swayam Prabha), Ministry of IT (DigiShala), Govt of Gujarat (Vande Gujarat), Skills Development (Million Lights) and many other similar states. 7 day catch up feature that allows students to repeatedly watch telecast content any number of times for the next 7 days. Only the Jio TV app is embedded within the Jio Sim. The Jio Saavn and Jio Chat have no dependency on Jio Sim and are open to all followers across the world. During the launch of the

"Lairik" TV Channel, the Minister informed that the examination for Higher Secondary Examination, 2020 will be announced tomorrow the 17th July, 2020 and wished students for success. On a query about the admission in the eleventh standard in the government higher secondary schools, he said that 15 percent of the seats have been reserved for the students passing out their high school leaving examination from other boards including CBSE board. Admission is being done through merit basis for time being as there is no other better means that could be adopted. Every possible step is being sought to ensure admission of the students who are still yet to get admitted.

Natural Cordyceps is hard to get and if dried costs at least Rs.8 lakhs per kg. Our lab has been growing Cordyceps militaris since 2017 at a fraction of the cost, said Sandeep Das, Dean of BU's faculty of science and technology.

Cultivation of this rare mushroom can open a new avenues, said Sandeep Das. According to Sandeep Das, the Department of Biotechnology, Government of India sponsored technology incubation centre for mushroom culture and farming Assam's Bodoland University is taking the initiative to make this Technology who has developed ways to cultivate the mushrooms. Thus, it could benefit farmers he added.

One kilo of dry Cordyceps

After harvesting, the fruiting body of Cordyceps are freeze dried (@86°C) which restores its original texture and mushrooms are grinded to form powder and are encapsulated veg capsule. The incubation centre of the mushrooms will soon extend in our state also. The required proposal has been made by the Head of the Department of Biotechnology, Northeast

It may be mentioned that the Department of Biotechnology, Government of India has established a small lab under its BLISS programme at Chaoyaima Higher Secondary School, Thoubal under the supervision of Thoudam Radhamani Devi, Vice Principal of this school as a coordinator.

At the Centre, research works has been going on particularly the Cordyceps Mushroom. If the Department of Biotechnology extended such type of incubation centre in the state, there will be a big benefit to our mushroom cultivators.

The Shillong Times



SHARE



Super mushroom for immunity & livelihood

By Sandeep Das

Mushrooms contain protein, vitamins, minerals and antioxidants. These can have various health benefits and high nutritional value. Cordyceps is a parasitic fungus that includes over 400 different species which are found all over the world and are mainly parasitic on insects and other arthropods and a few are parasitic on other fungi.

There are several benefits of Cordyceps. It is used to treat coughs, chronic bronchitis, respiratory disorders, kidney disorders, night-time urination, male sexual problems, anaemia, irregular heartbeat, high cholesterol, liver disorders, dizziness, weakness, ringing in the ears, unwanted weight loss and opium addiction.

It is also used for strengthening the immune system, improving athletic performance, reducing the effects of aging, promoting longer life and improving liver function in people with Hepatitis B.

Of the more than 400 species of Cordyceps discovered, two have become the focus of health research — Cordyceps sinensis and Cordyceps

militaris. Natural cordyceps is hard to get and may be expensive which promoted for its cultivation at laboratories.

Cordyceps is a super mushroom well known for its immuno-modulating effect, anti-ageing, antiviral as well as energy booster effect and it is experimentally well-established.

This mushroom is as expensive as Rs 8 lakh per kg dry weight. Fortunately, DBT-Gol Technology Incubation Centre on Mushroom, Bodoland University, is in a capacity to grow this mushroom in laboratory conditions since 2017 in mass scale and almost a pioneer in the field.

The lab standardisation and its related research got initiated in the laboratory in 2012. It needs 60 days for a crop cycle. It requires specific photoperiod, enriched media and an encapsulated environment with all the parameters at optimum to mimic the natural habitat with optimum gaseous exchange.

Mostly found in Nepal, China, Bhutan, Japan and south-east Asian countries, these mushrooms thrive in humid climates and dense tropical forests. But due to over-collection, the International Union for Conservation of Nature has listed this

species as threatened.

The mode of cultivation may be vegetative, egg and dead pupa, only egg and live pupa (natural host). An average human can consume up to 0.5-3gm on dry weight basis, though 150 mg Cordycep powder is a decent amount to initiate feeding mass population regularly for immediate immune boosting.

Mushroom commercialisation

Since the mushroom is full of medicinal virtues, there is a wide possibility of mass commercialisation. Even the used substrate of the mushroom can be commercialised. Depending on the level of Cordycepin, the international price varies. Also, the international price varies with the mode of production like vegetative or egg and dead pupa or only egg or live pupa.

The price varies from few lakhs to Rs 8-9 lakh depending on the level of cordycepin.

How it will help

Due to COVID-19, the local communities have been facing various issues in earning their livelihood as

the collection of seeds and leaves was restricted. It eventually caused loss to those groups who are totally depending on the forest for their day to day lives. They may be able to earn better living with mushroom cultivation as it is easy to do so by providing some optimum condition. Also, there is no major requirement of specific environmental condition and can be grown with some specific efforts. It is not very difficult but can be proven as an efficient way to earn living with a minimum land requirement.

The research team has closely worked with 48 farmers in Kokrajhar and 25 self-help groups.

This write-up has been prepared to initiate mushroom cultivation programme as a mode of livelihood among local communities of Meghalaya.

We are willing to establish such study in various parts of the country and ready to facilitate training for cultivation of super mushrooms in vivo and its commercialisation.

(The author is Dean of Faculty of Science & Technology, Bodoland University, and is the pioneer in this study)





ఈ పుట్టగొడుగులు కిలో రూ.రెండు లక్షలు!

విటమిన్-బి2 లోపించిందా... త్యాస జ్వందిగా ఉందా... క్యాన్సర్ తో బాధపడుతున్నారా... రోగనిరోధకశక్తి తగ్గిందా... ఏం ఫలవాలేదు. పోషక లోపాల్ని నివారించు మరెన్నో వ్యాధుల్ని నిరోధించగలిగే అద్భుత బిషర నిల్వలే ఈ పుట్టగొడుగులు... అత్యంత అరుదుగా దొరికే ఈ సూపర్ ముత్రామ్మను పండించడం ద్వారా అందరికీ అందుబాటులోకి తీసుకొచ్చేందుకు కృషి చేస్తున్నాడు అసోం బోటోల్కాండ విశ్వవిద్యాలయానికి చెందిన ప్రొఫెసర్ సందీప్ దాస్.



పుట్టగొడుగులు అనగానే బుద్, అయిస్సర్ వెజిటేబిల్ స్పూరిస్ట్రాయి కానీ కొన్ని రకాలు దట్టమైన ఆదవల్లో అరుదుగా దొరుకుతాయి. అందుకే వాటి దర లక్షల రూపాయల్లో ఉంటుంది. సూపర్ ముత్రామ్మగా పిలుస్తాల్సి కార్టినేజ్ విటెమిన్ లోపం తోపాటు వెంటనే వెంటనే ఈ వాటికే చెందుతుంది. ఈ సైన్సిఫికెస్ అనే మరో రకాన్ని హిమాచలప్రదేశ్ వయోగ్రా అంటారు. ఉత్తరాఖండ్ లో దొరికే ఈ రకం, స్ట్రెన్జిటా కిలో పది లక్షల రూపాయలు పలికితే, అంతర్జాతీయ మార్కెట్లో రూ.20 లక్షల పైనే ఉంటుంది.

అప్పటినుంచి వైరా సంప్రదాయ వైద్యంలోనూ వాడుతున్నారు. ఆ తరువాత ఈ రకం ముత్రామ్మలో రోషివాలతోబాటు బొప్పిపంజాబా ఉన్నాయని తెలిసింది. 18 రకాల అప్పిలో ఆదవలోలాలు విటమిన్-బి, కె, టి, టి2, టి12 వంటివి వీటిల్లో ఉన్నాయి. వీటిల్లోని కార్టినేజ్ అద్భుత మైన బొప్పిపం, బాక్టీరియా, వైరస్, క్యాన్సర్, పుంజు, మలేరియా, యాంటిబయోటిక్ లక్షణాలు వీటికి ఉన్నాయి. కాబట్టి, క్యాన్సర్, గాడి, వ్యవస్థ, మూత్రపిండాలు... జం శరీరంలోని అనేక అవయవాల పనితీరు పెరుగుదలకు వీటి తోడ్పడుతుంది. క్యాన్సర్ లోగుల్లో కేరీయేషన్, కీమోథెరపీలు తప్పకుండా సామర్థ్యాన్ని పెంచడంలో లాభం కంటక్టి పెరగకుండానూ సన్నపిడి అందుకే ఇతర పుట్టగొడుగుల తరహాలో కాకుండా మంచిగా మూత్రమే వారు తున్నారు. ఇప్పటికే అంతరించిపోయే బాధితులకు వేరం దీనిని కృత్రిమ వాతావరణంలో పెంచే

ప్రయత్నాలు ప్రారంభించారు. పరిశోధకులు అందులో బాగుగానే దాని చేసిన ప్రయోగం ఫలితంగా ఈ బొప్పిపం గొడుగులు కేకవ్యాధిగా మెలకొల్పేతున్నాయి.

ఎలా వండిస్తారు?
అసోం బోటోల్కాండ సైన్స్ అండ్ టెక్నాలజీ విభాగానికి కీర్తిగా ఉన్న సందీప్ దాస్ ద్వారా దరబోయిన సోరీఫ్, గొంగ్గో పురుగులూంటే కీకాంటివేషన్ పెరిగే కార్టినేజ్ విటెమిన్ అభివృద్ధి అద్భుతమని తెలుసుకుంటే యాంటీ బైరల్, యాంటీ ఏజింగ్, ఇమ్యూన్ బూస్టింగ్ గుణాలు అధికంగా ఉన్నట్లు తెలిసింది. అయితే ఈ పుట్టగొడుగుల దర పండించడం అక్షయం. అక్షయం పైగా అంతా దర గవ్వ అందుకే లాటోరీటరీలో పెంచుతుంటే క్రీతారు చురుకు, పీడియంగా కీకాల్ని కాకుండా టియోస్ట్రోని ఎంచుకున్నారు. క్రాస్ బ్రెడ్డింగ్ ముత్రామ్మ స్ట్రెయిన్లను వేసి అందుకు తగ్గ ఉన్నారని తెలుసుకుంటే దీని రోజులు ఉండారు. ఆ తరువాత మరో

45 రోజులపాటు పచ్చిండు గంటలు రోజు మరో ముప్పైండు గంటలు వెలుతురు ఉండే వేళాల్లో మెట్టగా పుట్టగొడుగులు మెలకొత్తాయి. పెరిగిన తియోరీ బైజల్ అనే ప్రవృత్త మేషిన్ ద్వారా వీటిల్లోని తేమ పూర్తిగా పోకుండా పండించారు. దీనిపై ఎక్కువ కాలం నిల్వ ఉంటాయట. ఇప్పటికే ఈకాన్సర్ బాధితంలో వేలమంది బ్రెయిన్ ట్యూమర్ క్షణం వచ్చిన దాని. ఈ సూపర్ ముత్రామ్మ పెంచడంలోనూ మనదేశంలో బ్రెయిన్ ట్యూమర్ నివారణకు క్షణం వచ్చింది. బ్రెయిన్ అండ్ ఎర్లర్ ప్రభావం వీటిని సాగు చేయడం సేద్యం వచ్చి దాని ఎస్ఎంఎస్ఎం ఇన్జెక్షన్ అమోనంలో ఈ పుట్టగొడుగుల పోషక క్యాన్సర్లన్నీ దానిలో తయారుచేసి, గోల కొద్ది నింపి మురికి ఆ ప్రాంత ప్రజలకు విక్రయిస్తున్నారు. దీన్ని నేరుగా గానీ వేటికల్లో కలపమని దాని కీకాల్ వచ్చు దీన్ని పెంచడం ప్రారంభిస్తే అందుకే అందుబాటు లోకి వచ్చి లోగుల్ వంటివి పెంచుతుంది తెలుసుకుంటే సందీప్ అయిన కృషిని అభినందిస్తూ ఆ రోజు త్వరలోనే లాభాని కోరుతుంటాం. ★



సందీప్ దాస్
సూపర్ కీలు
జునుతుకు
వాడేవారు





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14



ఈనాడు ఆదివారం

Sunday, August 16, 2020 Home Home today



These mushrooms cost Rs 2 lakh per kg!



ఈ ప్రత్యగోషులు
కిలో రూ.2లక్షలు లక్షలు!



Does It matter If you are vitamin-B12 deficient ... If you have trouble breathing ... If you have cancer ... If your Immune system is weak ... These mushrooms are wonderful medicine reserves that can prevent malnutrition and prevent other diseases ... Professor Sandeep Das of Assam Bodoland University is working to make these super rare mushrooms available to everyone by cultivating them.

P ttagodugulu when the button, oyster varieties sphuristayi. But some species are rarely found in

12:35

91%

తెలుగు ఆవరణ

Sunday, August 16, 2020 Home Home today

dense forests. That is why their price is in lakhs of rupees. Cardiceps Militaris, also known as Super Mushrooms, belongs to this category. Cardiceps of this genus Another type of sinusitis is called Himalayan Viagra. This variety, which is found in Uttarakhand, costs around Rs 10 lakh per kg locally and over Rs 20 lakh in the international market.

They were initially afraid to eat the cardiopsis, which rarely grows on some insects in the dense forests of the highlands. But it was used in Tibet thousands of years ago to recover from an illness. It has been used in traditional Chinese medicine ever since. It has since been discovered that this type of mushroom has nutrients as well as medicinal properties. They are rich in 18 types of amino acids as well as Vitamin-E, K, B1, B2, B12 ... Of these, cardisepine is an excellent medicine. Bacteria, viruses, cancers, fungi, malaria, diabetes ... these are the symptoms of many diseases. Liver, lungs, nervous system, kidneys ... It helps to improve the function of many organs in the body. Radiation in cancer patients increases the ability to tolerate chemotherapy and prevents the growth of tumors. That is why other mushrooms are used not

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Sunday, August 16, 2020 Home Home today

Sandeep says that if it starts to increase it will become accessible to everyone and boost immunity. Appreciate his hard work and hope that day will come soon. With the approval of ISO, this mushroom powder has been manufactured in the form of capsules and has been sold to the people of the area for the last few months. It can be taken directly or in boiling water. Sandeep says that if it starts to increase it will become accessible to everyone and boost immunity. Appreciate his hard work and hope that day will come soon.



The whole house ... corn arches!



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తెలంగాణ ఆదివారం

Sunday, August 16, 2020 Home Home today

days. After that, for another 45 days, darkness was allowed for twelve hours and light for another twelve hours. Slowly the mushrooms germinate. They are then dried by a special machine called a lyophilizer to remove moisture completely. This allows them to be stored longer. Das, who has already trained thousands of farmers in northeast India in growing oyster mushrooms, is also training nutritionists in the cultivation of these super mushrooms and other farmers. Das, who has learned to cultivate these in a trial and error manner, has been making this mushroom powder in capsules with the approval of FSAI and ISO and has been selling it to the people of the area for the last few months. It can be taken directly or in boiling water. Sandeep says that if it starts to increase it will become accessible to everyone and boost immunity. Appreciate his hard work and hope that day will come soon. With the approval of ISO, this mushroom powder has been manufactured in the form of capsules and has been sold to the people of the area for the last few months. It can be taken directly or in boiling water. Sandeep says that if it starts to increase it will

Etv Telegy <https://www.etvbharat.com/telugu/telangana/city/hyderabad/these-mushrooms-cost-rs-2-lakh-per-kg/ts20200823110535928>

ఈ పుట్టగొడుగులు కిలో రూ.రెండు లక్షలు!

Published on :8 hours ago



విటమిన్-బి12 లోపించిందా... శ్వాస ఇబ్బందిగా ఉందా... క్యాన్సర్ తో బాధపడుతున్నారా... రోగనిరోధకశక్తి తగ్గిందా... ఏం భరవాలేదు. పోషకలోపాల్ని నివారించు మరెన్నో వ్యాధుల్ని నిరోధించగలిగే అద్భుత బొషడ నిల్వలై ఈ పుట్టగొడుగులు... అక్షయ అరుదుగా దొరికే ఈ సూపర్ ముత్యమ్మను పండించడం ద్వారా అందరికీ అందుబాటులోకి తీసుకొచ్చేందుకు కృషి చేస్తున్నారు అసోం బోడోలాండ్ విశ్వవిద్యాలయానికి చెందిన ప్రొఫెసర్ సందిప్ దాస్.

పుట్టగొడుగులు అనగానే బటన్, ఆయిస్టర్ వెబ్జెటీలే స్ఫురిస్తాయి. కానీ కొన్ని రకాలు దట్టమైన అడవుల్లో అరుదుగా దొరుకుతాయి. అందుకే వాటి దర లక్షల రూపాయల్లో ఉంటుంది. సూపర్ ముత్యమ్మగా పిలుస్తోన్న కార్డినెమ్మి మిలిటారిస్ ఈ కోవకే చెందుతుంది. ఈ జాతికే చెందిన కార్డినెమ్మి సైసెన్సిస్ అనే మరో రకాన్ని హిమాలయన్ వయోగ్రా అంటారు. ఉత్తరాఖండ్ లో దొరికే ఈ రకం, స్థానికంగా కిలో పది లక్షల రూపాయలు పలికితే, అంక్షణ్ణాతీయ మార్కెట్లో రూ.20 లక్షల పైనే ఉంటుందట.

అవయవాల పనితీరు మెరుగుదలకు...

ఎత్తయిన ప్రదేశాల్లో దట్టమైన అడవుల్లో కొన్ని కీటకాలపై అరుదుగా పెరిగే కార్డినెమ్మిని తినడానికి మొదట్లో భయపడేవారు. కానీ టిబెట్ లో వేల ఏళ్ల క్రితమే రోగం వచ్చాక కోలుకునేందుకు వాడేవారట. ఆహారాన్ని సులభంగా చేస్తూనే వైద్యులతోనూ వాడుతున్నారు. ఆ తరువాత ఈ రకం ముత్యమ్మలో పోషకాలకోబాటు బొషడగుణాలూ ఉన్నాయని తెలిసింది. 18 రకాల అమైసో ఆక్షాలతోబాటు విటమిన్-ఇ, కె, బి1, బి2, బి12... వంటివన్నీ వీటిల్లో పుష్కలం. వీటిల్లోని కార్డినెమ్మి ఆద్యుతమైన బొషడం. బ్యాక్టీరియా, వైరస్, క్యాన్సర్, పంగన, మలేరియా, డయాబెటిస్... ఇలా ఎన్నో వ్యాధుల్ని ఎదుర్కొనే లక్షణాలు వీటికి ఉన్నాయి. కాలేయం, శ్వాసకోశం, నాడీవ్యవస్థ మూత్రపిండాలూ... ఇలా శరీరంలోని అనేక అవయవాల పనితీరు మెరుగుదలకూ వీటి తోడ్పడుతుంది.

క్యాన్సర్ రోగుల్లో చేడివేషన్, కీమోథెరపీలని తట్టు కునే సామర్థ్యాన్ని పెంచడంతోబాటు కంతుల్ని పెరగకుండానూ చేస్తుంది. అందుకే ఇతర పుట్టగొడుగుల్లా తీసడానికి కాకుండా మందుగా మాత్రమే వాడుతున్నారు. ఇప్పటికే అంతరించిపోయే జాబితాలోకి చేరిన వీటిని కృత్రిమ వాతావరణంలో పెంచే ప్రయత్నాలు ప్రారంభించారు పరిశోధకులు. అందులో భాగంగానే దాని చేసిన ప్రయోగం ఫలితంతో ఈ బెషడ గొడుగులు దేశవ్యాప్తంగా మొలకెత్తుతున్నాయి.

ఎలా పండిస్తున్నారు?
అసోం బోడోలాండ్ సైన్స్ అండ్ టెక్నాలజీ విభాగానికి డీన్గా ఉన్న సందీప్ దాస్ దృష్టిని చవిపొయిన సాల్ఫ్యు, గొంగళి పురుగులొంటి తీటకాలమీద పెరిగే కార్డిసిస్ట్ మిలిటారిన్ ఆకర్షించింది. అధ్యయనం చేయగా అందులో యాంటీ బైరల్, యాంటీ ఏజింగ్, ఇమ్యూన్ బూస్టింగ్ గుణాలు అధికంగా ఉన్నట్లు తెలిసింది. అయితే ఈ పుట్టగొడుగుల దర ఎండినవైతే ఎనిమిది లక్షల వరకూ ఉంటుంది. పైగా అంతటా పెరగవు. అందుకే లాబోరేటరీలో పండించేందుకు క్రీకారం చుడుతూ, మీడియంగా తీటకాల్ని కాకుండా బియ్యన్ని ఎంచుతున్నారు. బ్రౌన్ రైన్మీద మహ్మామ్ సైగ్నస్ను వేసి అందుకు తగ్గ ఉష్ణోగ్రతను ఏర్పాటుచేసి దీక్షల్లో 15 రోజులు ఉంచారు. ఆ తరువాత మరో 45 రోజులపాటు పన్నెండు గంటలు చీకటి మరో పన్నెండుగంటలు వెలుతురు ఉండేలా చేశారు. మెల్లగా పుట్టగొడుగులు మొలకెత్తాయి.

పెరిగిన లియోపిల్లిజర్ అనే ప్రత్యేక మెషీన్ ద్వారా వీటిలోని తేమ పూర్తిగా పోకుండా ఎండబెట్టారు. దీనివల్ల ఎక్కువకాలం నిల్వ ఉంటాయట. ఇప్పటికే ఈశాన్య భారత్లో వేలమంది రైతులకు ఆయిస్టర్ పుట్టగొడుగుల్ని పెంచడంలో శిక్షణ ఇచ్చిన దాస్, ఈ సూపర్ మహ్మామ్ పెంచుకంటోనూ మరదలతో రైతులూ పోషకాహార నిపుణులకీ శిక్షణ ఇస్తున్నారు. బ్రుయల్ అండ్ ఎర్రర్ పద్ధతిలో వీటిని సాగు చేయడం నేర్పుతున్న దాస్, ఎస్ఎస్ఎస్ఎస్ఎస్, ఐఎస్ఎల్ ఆమోదంతో ఈ పుట్టగొడుగుల పొడిని క్యాన్సర్లు రావడంలో తయారుచేసి, గత కొన్ని నెలల నుంచి ఆ ప్రాంత ప్రజలకువక్రయిస్తున్నారు. దీన్ని నేరుగానే వేడినీళ్లలో కలుపుకుగానీ తీసుకోవచ్చట. దీన్ని పెంచడం ప్రారంభిస్తే అందరికీ అందుబాటు లోకి వచ్చి రోగులకోసంకొత్తని ఎంచుకుందని చెబుతున్నాడు సందీప్. ఆయన కృషిని అభినందిస్తూ ఆ రోజు త్వరలోనే రాజులని కోరుకుందాం.

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డేజిలి దేశের কথা



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এক পক্ষকাল ধরে জীবিত সিটিস্ক্যান মেশিন নষ্ট

নিজস্ব প্রতিনিধি। আগস্ট ২৯ আপসি : রাজার বাছা পরিবারের হাল দিন দিন আরও তলানিতে ঝেঁকেছে। গত গায় এক পক্ষকাল ধরে বিকল হয়ে আছে জিবি হাসপাতালের সিটি স্ক্যান মেশিন। চার সপ্তাহের রোগীরা। কোলেসল সেই সুরকরেছে।
শনিবার রাজার প্রধান হাসপাতাল জিবিতে নিয়ে গেলে মেডিকেল সিনিয়র সিটি স্ক্যানের জন্য হয়ে হার্ড থেকে বেরিয়ে আসার মূহুর্তে দেখা গেল। এরমধ্যে কেউ আছে ন? শুধুমাত্র স্ক্যানের জন্য অপারেশনের দিন টিক করতে পারছেন না। আবার অনেক সিরিয়াস রোগীও রয়েছে, শুধুমাত্র স্ক্যানের জন্য তাদের সঠিক চিকিৎসা হচ্ছে না। কমান্ডের

রাজ্যে সংক্রামিত আরও ৪৪৭, মৃত্যু বেড়ে ৯৭ পশ্চিম জেলার পরিস্থিতি উদ্বেগজনক ডাক্তার, স্বাস্থ্যকর্মীর সংখ্যা অপ্রতুল

জানালো টেকনিক্যাল কমিটিই

নিজস্ব প্রতিনিধি। আগস্ট ২৯ আপসি : করোনাসংক্রামিত ১১ হাজারের ঘরে ছড়িয়ে গেলে। শনিবার নতুন পজিটিভ রোগী ৪৪৭ জন। মোট সংক্রামিত ১১০৫০ জন। রাজ্যের আরেক বিধায়ক। সাংবাদিকও রয়েছে নতুন তালিকায়। রাজধানী আগরতলার করোনাসংক্রামিত আরও অবনতি। কম করে ৩১ ভাগ পজিটিভ রোগীর আকস্মিক

টানা ৪ দিন হাজারের বেশি মৃত্যু মোট সংক্রমণ ৩৫ লাখ ছাড়ালো নিরুত্তাপ কেন্দ্র জানালো আনলক-৪ এর বিধি

ন্যাশির্দি। ২৯ আগস্ট (সেবার সংস্থা): এই নিয়ে টানা চার দিন রাজ্যে হাজারের বেশি মৃত্যুর খবর জানাচ্ছে মাত্রা যাচ্ছে। দৈনিক সংক্রমণ গত দিনের তুলনায় সামান্য কমলেও বিশেষ মনোবে সর্বাধিক বেশি মৃত্যু সংক্রমণ এখনও ভারতের। একদিনে ৭৬ হাজার সংক্রামিত হয়েছেন দেশে। ২৯ আগস্টের মধ্যে ১২ হাজারের বেশি মৃত্যু হয়েছে। মোট ৩৫ হাজার ৩৬৩ জনের মৃত্যু হয়েছে। মোট ৩৫ হাজার ৩৬৩ জনের মৃত্যু হয়েছে। মোট ৩৫ হাজার ৩৬৩ জনের মৃত্যু হয়েছে। মোট ৩৫ হাজার ৩৬৩ জনের মৃত্যু হয়েছে।

<http://www.dailydesherkatha.net/epaperimages/30082020/30082020-MD-HR-5.PDF>

জরুরি পরিষেবা

হাসপাতাল
 ডি বি-২০৫-৫৩৮৮। আই জি
 এম-২০২-৫৩০৮। ডি এম সি
 ২০৭-৫৩০৮। আই জি এম স্মি
 ব্যাংক-২০৫৩৫২২৩০৮। ডি বি
 স্ট্রাট ব্যাংক-২০৫-৫২৮৮ (পি বি
 এম)। আই জি এম স্ট্রাট ব্যাংক-
 ২০২-৫৩০৮। আই এল এম-
 ২০২-৫০০০। ৮৯৪৪৫০৫০০০।

পুলিশ
 চেম্বারস ব্যান্ড-২০২-৫৩৮৮। পূর্ব
 থানা-২০২-৫৩৪৮। হাটখোলা
 থানা-২০২-২২৪৮। টিবি ডিবি
 ২০২-৫৩৪৮।

বিমানবন্দর
 এয়ার ইন্ডিয়া-২০৫-১২০২।
 এয়ার ইন্ডিয়া টেলি বি সিস-
 ২০৩০০-২০০-১০০৫। ১৩১০০০-
 ১৩০-১২০৫। ইন্ডিগো-২০৫-
 ১২০৬। স্পাইস জেট-২০৫-
 ১২৭৮।

পত্রিকা
 ডিবি টিবি-২০২-৫৩৮৮।
 ডিবি সি-২০২-৫৩০৮।
 ডিবি এম সি-২০৭-৫৩০৮।
 ডিবি এম সি-২০৭-৫৩০৮।
 ডিবি এম সি-২০৭-৫৩০৮।
 ডিবি এম সি-২০৭-৫৩০৮।

আই জি এম
 ডিবি এম সি-২০৭-৫৩০৮।
 ডিবি এম সি-২০৭-৫৩০৮।
 ডিবি এম সি-২০৭-৫৩০৮।
 ডিবি এম সি-২০৭-৫৩০৮।
 ডিবি এম সি-২০৭-৫৩০৮।



ভূয়ো নামে রেগার মজুরি আদায়ে চাপ প্রতিবাদ করায় জি আর এস আক্রান্ত

মিজ প্রতিনিধি। আগরতলা, ২৯ আগস্ট : রেগার নামে মজুরি আদায়ে চাপ প্রতিবাদ করায় জি আর এস আক্রান্ত হয়েছে। মজুরি আদায়ে চাপ প্রতিবাদ করায় জি আর এস আক্রান্ত হয়েছে। মজুরি আদায়ে চাপ প্রতিবাদ করায় জি আর এস আক্রান্ত হয়েছে।

মজুরি আদায়ে চাপ প্রতিবাদ করায় জি আর এস আক্রান্ত হয়েছে। মজুরি আদায়ে চাপ প্রতিবাদ করায় জি আর এস আক্রান্ত হয়েছে। মজুরি আদায়ে চাপ প্রতিবাদ করায় জি আর এস আক্রান্ত হয়েছে।

কৈলাসহর পুর পরিষদের কাজ নিয়ে অভিযোগ শাসক দলের কর্মীদের

মিজ প্রতিনিধি। কৈলাসহর, ২৯ আগস্ট : শাসক দলের পুর পরিষদের কাজ নিয়ে অভিযোগ করেছেন শাসক দলের কর্মীরা। শাসক দলের কর্মীদের অভিযোগের বিষয়ে পুর পরিষদের সভায় আলোচনা করা হয়েছে।



নিম্ন প্রতিনিধি। কৈলাসহর, ২৯ আগস্ট : কৈলাসহর পুর পরিষদের সভায় আলোচনা করা হয়েছে।

কুলিয়ে কৃতি ছাত্র সংবর্ধনা
 মিজ প্রতিনিধি। আগরতলা : কুলিয়ে কৃতি ছাত্র সংবর্ধনা অনুষ্ঠানে প্রধান অতিথি হিসেবে অধ্যক্ষের উপস্থিতি ছিল।

তিন প্রয়াতের প্রতি শ্রদ্ধা জানিয়ে দামছড়ায় স্মরণসভা

মিজ প্রতিনিধি। পালিশা, ২৯ আগস্ট : তিন প্রয়াতের প্রতি শ্রদ্ধা জানিয়ে দামছড়ায় স্মরণসভা অনুষ্ঠিত হয়েছে।

করোনা প্রতিরোধী ক্ষমতা বৃদ্ধি ওষধ প্রস্তুতিতে সাফল্য পেল বড়োলাড বিশ্ববিদ্যালয়ের জৈব-প্রযুক্তি বিভাগ

মিজ প্রতিনিধি। আগরতলা, ২৯ আগস্ট : জৈব-প্রযুক্তি বিভাগের সাফল্যে উদ্ভাবিত ওষধ প্রস্তুতিতে সাফল্য পেল বড়োলাড বিশ্ববিদ্যালয়ের জৈব-প্রযুক্তি বিভাগ।

নেতাজী গ্রন্থাগারের উদ্বোধন

মিজ প্রতিনিধি। আগরতলা, ২৯ আগস্ট : নেতাজী গ্রন্থাগারের উদ্বোধন অনুষ্ঠানে প্রধান অতিথি হিসেবে অধ্যক্ষের উপস্থিতি ছিল।

মেঘলিবন্ধের পর ফটিকছড়া চা-বাগানের একাংশ খালের চেষ্টা

মিজ প্রতিনিধি। আগরতলা, ২৯ আগস্ট : মেঘলিবন্ধের পর ফটিকছড়া চা-বাগানের একাংশ খালের চেষ্টা করা হয়েছে।

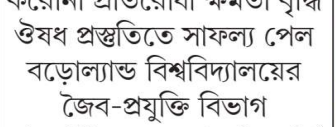
ভারতে হয়তো আগামী বছরেই মিলবে ভ্যাকসিন

মিজ প্রতিনিধি। আগরতলা, ২৯ আগস্ট : ভারতে হয়তো আগামী বছরেই মিলবে ভ্যাকসিন।

মেডিক্যালের পাঠক্রমে 'প্যাথোলজিক্যাল ম্যানিপুলেশন'

মিজ প্রতিনিধি। আগরতলা, ২৯ আগস্ট : মেডিক্যালের পাঠক্রমে 'প্যাথোলজিক্যাল ম্যানিপুলেশন' অন্তর্ভুক্ত করা হয়েছে।

বিভিন্ন ব্যাংকের বহু শাখায় কোভিড-১৯ উদ্বোধন
 মিজ প্রতিনিধি। আগরতলা, ২৯ আগস্ট : বিভিন্ন ব্যাংকের বহু শাখায় কোভিড-১৯ উদ্বোধন করা হয়েছে।



৭ মলা দাবিতে বিদ্যালয়ের নারী মিছিল আটকে দিতে পুলিশ ব্যারিকেড।



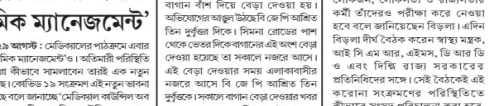
মিছিল এগিয়ে লাস্কে কৈলাসহরতে।



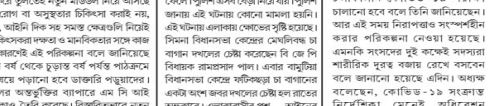
নারীরা বিক্ষোভ দেখানোয় পালিশার।



মেঘলিবন্ধের পর ফটিকছড়া চা-বাগানের একাংশ খালের চেষ্টা



ভারতে হয়তো আগামী বছরেই মিলবে ভ্যাকসিন



মেডিক্যালের পাঠক্রমে 'প্যাথোলজিক্যাল ম্যানিপুলেশন'

করোনা প্রতিরোধী ক্ষমতা বৃদ্ধি ঔষধ প্রস্তুতিতে সাফল্য পেল বড়োয়াল্যান্ড বিশ্ববিদ্যালয়ের জৈব-প্রযুক্তি বিভাগ

নিজস্ব প্রতিনিধি।। আগরতলা, ২৯ আগস্ট: কোভিড-১৯ অতিমারী মোকাবিলায় উত্তর-পূর্বাঞ্চলের বড়োয়াল্যান্ড বিশ্ববিদ্যালয় ছত্রাকজাতীয় মাশরুম থেকে করোনা প্রতিরোধী ক্ষমতা বৃদ্ধির ঔষধ প্রস্তুত করে সাড়া ফেলেছে। বিশ্ববিদ্যালয়ের জৈব-প্রযুক্তি বিভাগের দাবি একটি বিশেষ প্রজাতির মাশরুম থেকে এই ঔষধ তৈরিতে তারা সক্ষম হয়েছে। কর্ডিসেপ প্রজাতির ছত্রাক জাতীয় মাশরুমটি উত্তর-পূর্বাঞ্চলের বিভিন্ন জায়গায় পাওয়া যায়।

দেশের অন্যান্য বিশ্ববিদ্যালয়ের জৈব-প্রযুক্তি বিভাগের সাথে উত্তর-পূর্বাঞ্চলের এই বিশ্ববিদ্যালয়টিও ঔষধটির পেটেন্ট এর অধিকারী হওয়ার জন্য উদ্যোগ গ্রহণ করেছে। বিশ্বব্যাপী প্রায় চারশো প্রজাতির মাশরুম জাতীয় ছত্রাক রয়েছে কিন্তু এই বিশেষ প্রজাতির মাশরুমটির যৌবন উদ্দীপক, ভাইরাস প্রতিরোধী ক্ষমতা রয়েছে। প্রকৃতির এই বিরল প্রজাতির ছত্রাক থেকে সংগৃহীত পাউডার তৈরির ক্ষেত্রে— ২০১৭ সাল থেকে অধ্যাপক সন্দীপ দাস এর তত্ত্বাবধানে গবেষণা প্রকল্পে কাজ চলছিল। কিন্তু সাম্প্রতিক অতিমারী সময়ে তাদের সাফল্যে গবেষণার সঙ্গে যুক্ত পুরো টিমটি খুশি।

প্রফেসর সন্দীপ দাস এর তত্ত্বাবধানে ১২ জনের একটি গবেষক দল এই প্রকল্পটির সঙ্গে যুক্ত রয়েছেন। শুধু ঔষধ নয় এই মাশরুম ব্যবহার করে ভাইরাস

পত্রিকা-১৯ শ্রদ্ধিদের আলালকোষলিক সান্দ সানিটাইজার এ সান্দ টেকনিকের জালা