

OPINION

Quality Of Soybean In Terms Of Its Products And Essential Amino Acid



Kinza Amjad

The highest levels of exogenous amino acids were determined in the soybean grains regardless of the origin of the raw material.

Products made from soybeans are increasingly being used in the feed and food industries. Currently, India produced 9.3 million metric tonnes of soybeans, or nearly 4% of the entire global production, which totals 219.8 million metric tonnes.

Less than 10% of this produce is directly utilised for human consumption (Gandhi, 2006). Today's assessments of soy products are based on a considerably wider range of tests, enabling a more precise assessment of the nutritional value of the various products.

The value of soybean products will increase with advancements in technological adaptations of soybean products and a greater understanding of the impact on performance and health of relatively unknown chemicals, such as isoflavones.

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Blockchain Technology: Significance & Importance In Future



Attiq Ul Rehman

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Peek at what the Bitcoin genesis block appeared like. The blockchain's novelty is that it guarantees the accuracy and protection of a statistics file at the same time as additionally producing agreement with the requirement.

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Climate Change Effects On Sindh Province



Sadia Munir

Warming has occurred at a country scale across most of South Asia over the 20th century and into the 21st, and there have been more temperature extremes. Sindh is smashed between the two monsoons.

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Pakistani Students Select As Finalists For Innovation Challenge Of ADB

Five of the 10 finalists from Pakistan are women who are enrolled in a variety of courses like computer science, electrical engineering, English linguistics, and software engineering.

The Central Asia Regional Economic Cooperation (CAREC) programme of the Asian Development Bank ADB has chosen up to 10 Pakistani students from four different Pakistani universities as finalists for a prestigious innovation challenge.

The CAREC University Startup Generator is a regional innovation competition for college students in Central Asia that aims to foster students' practical, entrepreneurial, and soft skills. According to the competition's official description on the CAREC website,

"This initiative of Innovation Challenge of ADB intends to support the development of talent...and foster innovative approaches to addressing local challenges."

The Pakistani teams that were chosen as finalists are students at Lahore College for Women University, University of Engineering and Technology Lahore, NED University of Engineering and Technology, and ISRA University Hyderabad.

Five of the 10 finalists from Pakistan are women who are enrolled in a variety of courses like computer science, electrical engineering, English linguistics, and software engineering. Goddard-Discovery, a project competing in the mobility tech space, has two female students

from Pakistan on its team: Nimra Naeem and Unzila Khan. Muhammad Ali, from Pakistan, and Nihat Abbasov, from Azerbaijan, make up the other two members.

In order to make tasks more effective and efficient, this project is automating the literature review process for researchers. It also provides several collaborative tools and a workspace for remote workers. RideEase is a different finalist project that was created entirely by Isra University Hyderabad's Pakistani students.

Muhammad Saood Khan, Muhammad Shehzore Hashmi, and Bibi Alisha Sanam Talpur make up the team. In order to provide safe and effective transportation, they are creat-

ing a cutting-edge self-driving car system that combines cutting-edge AI technologies and computer vision algorithms.

Inovo, a bicycle ride-sharing platform, is the third project by Pakistani students and is also in the clean technology category. It was created by Maimoon Ahmad, Uswah Saeed, Muhammad Awais, and Moizza Azhar, all engineering and technology students from the University of Engineering and Technology in Lahore. Teams from Tajikistan, Uzbekistan, China, Mongolia, and Mongolian students are competing against these students. On March 29, (today), the teams will present their projects to a panel of judges, and four winners will be revealed later in April...[Read More](#)

NFS&R Directed To Provide 10 Year Of Agricultural Research Records



The Ministry of National Food Security and Research (NFS&R) was ordered to provide a ten-year agricultural research records on Tuesday by the Public Accounts Committee (PAC).

The Ministry of National Food Security and Research (NFS&R) was ordered to provide a ten-year agricultural research records

on Tuesday by the Public Accounts Committee (PAC).

The committee would not examine the NFS&R ministry's audit paras because it did not adhere to the Departmental Accounts Committee (DAC) procedures, according to meeting chair Noor Alam Khan, who also issued an order for NFS&R to provide agricultural research records.

The PAC chairman issued a directive to the relevant authorities ordering them to carry out the DAC right away, or else severe measures would be taken against those responsible. He pleaded with the authorities to properly investigate the agriculture industry, which was the foundation of the country's economy.

Pakistan is an agricultural nation, as MNA Syed Hussain Tariq informed the committee, and he regretted that the NFS&R ministry

was not playing a significant role in carrying out the research.

He alleged that the ministry had not given new cotton seeds to farmers in order to increase production, and he urged it to do so. Despite being an agricultural nation, we import pulses and other edible goods from various nations, said MNA Wajaha Qamar to the committee.

According to Noor Alam Khan, the ministry employs a large number of PhDs who receive hefty salaries without engaging in any research on the agriculture industry.

According to representatives of the Pakistan

Agricultural Research Council (PARC), "Our scientists had already conducted research on wheat, cotton, strawberry, olive, and other crops to increase their production."...[Read More](#)

Govt Decides To Remove Duties On Import Of Silicon Steel Sheets

Government's decision to abolish import taxes on silicon steel sheets follows ban on traditional fans and light bulbs starting on July 1, due to their higher energy consumption.

To encourage the production of energy-efficient home appliances, the government has decided to abolish import taxes on silicon steel sheets, which are used to make electric fans, motors, washing machines, and transformers.

The government's decision to abolish import taxes on silicon steel sheets follows a ban on traditional fans and light bulbs beginning on July 1, 2023, due to their higher energy consumption.

Documents readily available state that a summary of the amendment to SRO No. 565 for revision of SRO No. 565(I), 2006, and seek approval from the federal cabinet through the Economic Coordination Committee in order to expand the exemptions to all manufacturers and vendors of electrical appliances. A committee that the prime minister established previously discussed the problems facing the bulb and fan industries.

Meetings were held with the Pakistan Standard and Quality Control Authority, the Ministry of Culture, the Engineering Development Board, the National Energy Efficiency and Conservation Authority (NEECA), and the Ministry of Science and Technology (MoST).

According to information, Non-Grain Oriented Electrical



Steel Sheet (NGOESS) is used by the fan industry to make fan stators and rotors, and it is labelled under PCT headings 7225.1900 and 7226.1900. The NGOESS is subject to 2% Additional Custom Duty (ACD) and 5% Regulatory Duty (RD), whereas electrical steel sheet is subject to 5% Custom Duty under the current SRO.

Since more than 20,000 metric tonnes of these two products were imported through March 7, 2023, of the current fiscal year, paying a duty of Rs 180 million, documents indicate that the financial impact of the duty exemptions for these two products will likely exceed Rs 200 million.

Approximately 41 million fans are installed in homes and other buildings nationwide, according to sources. In order to ensure the installation of at least one new, highly energy-efficient fan in the premises l...[Read More](#)

NUTECH Students Secure First Positions In Microsoft Imagine Cup

Students from the Department of Computer Sciences at NUTECH, Junaid Hasan and Syeda Manahil Javed, won the Regional and National Finals of the Microsoft Imagine Cup (MIC).

Students from the Department of Computer Sciences at NUTECH, Junaid Hasan and Syeda Manahil Javed, won the Regional and National Finals of the Microsoft Imagine Cup (MIC), which was sponsored by HEC, and have since advanced to the World Championship.

Their Journovolt product aims to establish an automated news reporting channel that reports true, accurate, and the impartial news while at the same time lowering the expenses and costs

associated with maintaining a typical news broadcasting channel.

In order to build something important to them, improve their communities, and innovate for impact, more than two million competitors have registered for Microsoft's global student technology competition over the past 19 years.

The Imagine Cup is packed with opportunities to learn new skills, hone the existing ones, get mentorship, and work with other students who share the enthusiasm for changing the world.

Microsoft Corporation sponsors and hosts the annual Imagine Cup competition, which brings together student developers from around the world to

tackle some of the most difficult problems.

Computer science and engineering refer to it as the

"Olympics of Technology" and regard it as one of the most prestigious competitions and prizes in the field of technology and

software design.

The Imagine Cup theme, "Imagine a world where technology helps solve the toughest problems," is the focus of every competitor's project for the competition. Since its inception in 2003, it has expanded steadily, and by 2022, it will have more than 2 million competitors from 150 nations.

In Seattle, Washington, the 2022 Imagine Cup World Championship took place. The Imagine Cup started in 2003 with about 1,000 competitors from 25 different nations and regions, and by 2022, there will be more than 2 million competitors from 150 different nations. All over the world, the Imagine Cup World Championship has been held.





EPT Imposes Fine On FUUAST For Flouting Section Of PEPA 1997

Within fifteen days of the ruling, the Tribunal ordered the FUUAST administration to deposit the fine levied in the federal government's favour.

The Environmental Protection Tribunal (EPT) on Tuesday imposed fine Rs 1 million on the Federal Urdu University of Arts, Science, and Technology (FUUAST) for repeatedly disobeying Section 12 of the Pakistan Environmental Protection Act 1997 (PEPA 1997) during the varsity's construction, despite repeated requests from Pak-EPA to show cause and obtain the agency's environmental approval.

According to the decision of the Tribunal, the Pakistan Environmental Protection Agency (Pak-EPA) complained to the Tribunal about the University and the Capital Development, claiming that the former was the project's proponent and the latter was in charge of developing and managing all matters in accordance with its laws and regulations in the federal capital territory.

The project proponent was obligated to take measures to develop the project in accordance with PEPA 1997 provisions as well as CDA laws, rules, and regulations, according to the complainant (Pak-EPA). However, as required by Section 12 of the PEPA of 1997 and the IEE/EIA regulations of 2000, the project proponent



(FUUAST) had not received environmental approval for the aforementioned project.

The university was subjected to site inspections by the EPA team on December 16, 2020. A hearing notice was then scheduled for February 15, 2021, but neither university nor CDA representatives showed up. As a result, on March 29, 2021, the Agency served a second notice for a private hearing that would only be attended by CDA officials and not FUUAST representatives. [Read More](#)

Pakistani Online Novelist Win Top Prize At WebNovel Spirity Awards 2022

One of the top three winners for WebNovel Spirity Awards 2022 are Leveling Endlessly With the Strongest System by Crimson Ink from Pakistan.

The WebNovel Spirity Awards 2022 were held in Hong Kong this month. Three online novels written by authors from Pakistan, India, and Thailand took home the top prize, besting 90,000 other entries in the three language categories of English, Indonesian, and Thai.

Launched in May 2017 to support the translation of Chinese online novels, WebNovel is the international portal of China Literature Company, a pioneer in the online literature market and one of the biggest online literature platforms. WebNovel began receiving original works from writers outside of the country in April 2018.

According to a report recently released in collaboration by China Literature and the Global Times Research Center, WebNovel had published translations of about 2,900 Chinese online novels by the end of the previous year. Additionally, the platform saw the arrival of 340,000 foreign online authors who produced 500,000 works. [Read More](#)

HEC Stalls Admissions To Metropolitan University In Karachi

The commission claimed in a statement that admissions to the university had been suspended because of egregious transgressions and disregard for the body's rules.

In a statement released on Tuesday, the Higher Education Commission (HEC) stated that after August 5, 2022, it would no longer recognise degrees earned by students attending the Metropolitan University of Karachi.

Furthermore, the commission claimed in a statement that admissions to the university had been suspended because of egregious transgressions and disregard for the body's rules.

The Higher Education Commission (HEC) of Pakistan has granted The Metropolitan University, Karachi a charter and has approved of its private sector status.

The university was only permitted to offer 40 seats per semester of undergraduate

degree programmes (i.e., BBA, BS-Commerce, BS-Education, and BS-Islamic Studies) through its primary location at Sector 34-A, KDA Scheme # 33, Main University Road, Malir Cantt, Karachi, according to the statement. The HEC also stated that it would only recognise and certify degrees earned by students enrolled in the aforementioned degree programmes.

According to information provided by the university, this will be carried out "in accordance with HEC directions/guidelines and subject to the fulfilment of all legal and codal formalities."

In contrast, the statement claimed that the commission had suspended admissions to Metropolitan University as of

August 5, 2022, because of "gross violations, operating through unapproved campuses or study centres, and non-adherence to HEC guidelines."

The statement claims that the university has unofficial campuses in Sukkur, Larkana, Quetta, Rawalakot, Islamabad, and Chakwal. The statement stated that "degrees of students enrolled in Metropolitan University, Karachi after the cutoff date shall not be recognised by HEC," and "Students and the public at large are hereby advised not to take admission in Metropolitan University, Karachi."

HEC had previously suspended fall 2022 admissions to Isra University in February 2023. Without specifying what the crisis was, the body stated that admissions would be suspended until it was resolved. The HEC frequently advises students to only apply for admission to HEC-recognised universities.



Wildlife Dept Focusing Public Education To Ensure Wild Fauna's Protection

Haleem claimed that the entire merged area is covered in forest and has a rich biodiversity, both of which require special consideration and protective measures.

The Khyber Pakhtunkhwa Wildlife Department is concentrating on public education as it is very difficult to implement the relevant laws to ensure the protection of wild fauna in biodiversity-rich Newly Merged Districts.

According to Abdul Haleem, Divisional Forest Officer (DFO) Wildlife Khyber District, "The policy of imposing restrictions and charging fines over violations cannot achieve the desired goals of preserving wild fauna in a region that is full of biodiversity but remained outside the bounds of Wildlife Protection Laws for about 60 years."

He stated in a media interview that the only way to effectively win over the public for biodiversity conservation in such areas is to simply inform people of the value of flora and fauna. When asked about the killing of four leopards in the Khyber district's mountainous region in a matter of a few months,

Abdul Haleem responded that this also indicated that there were plenty of big cats in the area. According to Haleem, the leopard's poisoning and shooting death were a response to local livestock theft. Through the assistance of the local police, the Wildlife Department quickly apprehended the person responsible for the murder of two leopard

cubs in Tirah.

But soon after the arrest, a crowd of locals gathered outside the police station and forced the detainee's release, according to Haleem.

The Wildlife Department is concentrating, through the placement of billboards at various locations, on the need for time and capacity building to increase regional residents' adherence to laws, he continued.

In a similar vein, Haleem went on to say



that in addition to the formation of Village Conservation Committees (VCC), which maintain contact with locals and educate them about the value of biodiversity and wildlife, social media is also used for raising awareness.

According to him, a lack of law and order makes it difficult for the Wildlife Department

to access various biodiversity hot spots that are tucked away in remote, hilly terrain close to the Pakistan-Afghanistan border.

He claimed there were solid indications of the presence of various wild species in the Khyber District, including the khaleej and monal pheasant, as well as the common leopard, markhor, black bear, musk deer, and uryal.

In the Rajgal Alpine Range near Spinghar, Afghanistan, there is habitat for the rare snow leopard, and there is a good chance that this area.

Haleem also believed that since snow leopards and monal pheasants share a similar habitat, there is a chance that they may coexist in a given area.

He reasoned that since the Khyber District's alpine region is mostly covered in snow and is extremely chilly, it must be home to snow leopards if a scientific survey is being carried out there.

Haleem claimed that the entire merged area is covered in forest and has a rich biodiversity, both of which require special consideration and protective measures.

A large number of birds would pass through the area and stop at various locations during the upcoming migration season.

He suggested that the only way to ensure the protection of these migrant birds is to involve local communities and provide them with incentives. [Read More](#)

Facts That You Should Know About Rivers Of Pakistan

Pakistan has many rivers. Read on to find out more about these rivers. The Name Punjab comes from words panj for five, aab for water.

Pakistan is a country with some of the world's most beautiful cities, landscapes, and structures from history. A lot of natural resources as well. There are majestic mountains, beautiful seaside views, and lush green plains and meadows here. It has one of the best educational systems and healthcare systems in the world. Pakistan has a lot of rivers. Read on to find out more about five rivers of Pakistan.

The Himalayan and Karakoram mountain ranges, which are covered in snow, feed Pakistan's river system. The system is made up of five rivers that mostly flow to Pakistan through Punjab province. The name Punjab comes from the words "panj" for five and "aab" for water. These are Pakistan's five rivers:

- River Jhelum
- River Chenab
- River Ravi
- River Sutlej
- River Indus

1. River Jhelum

In northern India and eastern Pakistan, the Jhelum River, which is one of the most important rivers of Pakistan, flows through the Kashmir Valley. It is a branch of the Chenab River that runs for about 725 km (450mi).

There are a lot of interesting stories about the river's past. Some people say that "Dara-e-Azam" planted his flag on the riverbank and called it "Ja-e-Alam," which means "place of the flag," when he got to the river after a series of wars. As time went on, people began to call "Ja-e-Alam" "Jhelum."

Some people think that the name of the river comes from the Sanskrit language. The name of the river comes from a story that everyone knows. People say that Lord Shiva named the river Vitasta. In the holy texts called



the Rigveda, it is called one of the great rivers.

In BC 326, at the Battle of the Hydaspes River, Alexander the Great and his army crossed the Jhelum and beat Porus, the leader of the Indians.

The river starts at the Verinag Spring, which is at the base of

the Pir Panjal in Kashmir. Then, in the Kashmir Valley, the Lidder River near Khanabal and the Sind River at Shadipora join it. It goes through Srinagar and Wular Lake before going into Pakistan. East of Circle Bakote, the Kohala Bridge links it to the rest of Pakistan and to Pakistani Kashmir. The Poonch River then joins it and flows into the Mangla Dam reservoir in the Mirpur District.

2. River Chenab

Pakistan is a country with a lot of beautiful places to see and things to do in nature. Pakistan

has everything: huge mountain ranges, green plains, and beautiful deserts. Like the Jhelum River, the Chenab River runs through both India and Pakistan. It starts in the Lahaul and Spiti districts of the Indian state of Himachal Pradesh, in the upper Himalayas. It flows through the

Jammu area of Jammu and Kashmir and into the Punjab plains of Pakistan. Near Uch Sharif, it joins the Indus River.

the time of the Vedas, Indians knew about the river. In 325 BC, Alexander the Great built Alexandria on the Indus. This city is now called Uch Sharif. When the Jhelum and Ravi rivers meet, they make the Chenab. When the Beas and Sutlej rivers meet, they make the Panjnad. This is near Uch Sharif. About 45 kilometres to the southwest, at Mithankot, the united stream joins the Indus River. The Arabian Sea is at the end of the Indus River.

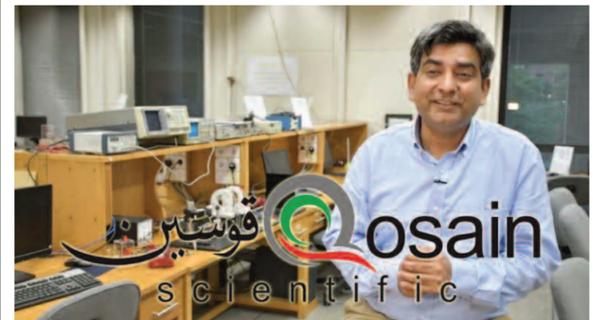
3. River Ravi

The Ravi River runs through the northwest of India and the east of Pakistan. It is also one of the six rivers in Punjab that are part of the Indus System. Under the Indus Water Treaty, India was given water from the Ravi River. In the same way, the Indus Basin Project used water from the western rivers of the Indus system to refill the Ravi in Pakistan.

The Vedas say that in the past, the Raavi River was called Iravati.

The headwater of the Indus River Basin is the Ravi River. It is one of the most important parts of the basin. If you like learning about the past, you should visit Historical Sites in Pakistan. [Read More](#)

PhysLogger Data Acquisition Tool Develops By Qosain Scientific



PhysLogger turned out to be a game-changer for the PhysLab, replacing pricey and complex DAQ cards with a less expensive and more user-friendly tool.

The way data is collected in labs all over Pakistan has been revolutionised by PhysLogger, a data acquisition tool created by Qosain Scientific. Prior to its creation, the PhysLab used LabView software to record real-time data using NI DAQ cards.

Unfortunately, both students and teachers struggled with this setup, and students spent more time trying to understand the software than the fundamental ideas behind their experiments. In order to circumvent this issue, Qosain Scientific introduced PhysLogger as a replacement for conventional Data Acquisition Tool DAQ cards.

The user-friendly interface of PhysLogger made it possible for instructors and students to

measure and control a variety of physical parameters, including temperature, pressure, voltage, current, speed, mass, and humidity. Two experimental setups—the linear air track system and the calculation of the latent heat of vaporisation of liquid nitrogen—were used to introduce PhysLogger into the PhysLab. The majority of lab experiments now use PhysLogger rather than outdated oscilloscopes or DAQ cards.

According to student feedback, setting up an oscilloscope or using LabView to obtain real-time data from an experiment is much more difficult than using PhysLogger's interface, which is much more straightforward and user-friendly. The ability of PhysLogger to verify Faraday's law by tracking the motion of a semicircular body containing magnets through a coil and logging real-time data. [Read More](#)

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Uzma Nasrullah

Aloe vera gel is commonly used in skin care products because of its ability to moisturize and soothe the skin. It can also help to reduce the appearance of fine lines and wrinkles, and it has been found to be effective in treating skin conditions such as psoriasis and eczema



Medicinal Importance Of Succulent Aloe Vera Plant

Aloe vera is a succulent plant that has been used for medicinal purposes for thousands of years. It is widely distributed and is considered an invasive species in many world regions.

Aloe vera is a succulent plant that has been used for medicinal purposes for thousands of years. It is widely distributed and is considered an invasive species in many world regions. An evergreen perennial, it originates from the Arabian Peninsula but grows wild in tropical, semi-tropical, and arid climates around the world.

It is a member of the lily family and grows in hot, dry climates around the world. The plant has a thick, gel-like substance inside its leaves that is packed with nutrients and has numerous health benefits. In this article, we will explore the medicinal importance of aloe vera.

Aloe Vera's Medicinal Uses:
The succulent Aloe Vera plant has been known for its healing properties and medicinal uses for at least 6,000 years. Traditionally, this medicinal plant has been employed to

treat skin problems (burns, wounds, and anti-inflammatory processes).

Moreover, Aloe vera has shown other therapeutic properties, including anticancer, antioxidant, antidiabetic, and antihyperlipidemic. The clear gel from the aloe plant is rubbed on the skin as an ointment to treat wounds and



burns.

The green part of the leaf can be made into juice or dried and taken orally as a laxative. Aloe is an amazing source of antioxidants and vitamins that help protect and repair skin. Important compounds in aloe

vera have been shown to neutralise the destructive effects of UV rays, repair skin cells from past sun damage, and aid in the prevention of fine lines and wrinkles.

Digestive Health:
Aloe vera gel has been found to improve digestive health by reducing inflammation and promoting the growth of



healthy gut bacteria. It can also help soothe and heal ulcers in the stomach and intestines.

Wound Healing:
The gel inside aloe vera leaves has a soothing and cooling effect on the skin, making it an effective treatment for

burns, cuts, and other wounds. Aloe vera gel is also known to stimulate the production of collagen, which is essential for wound healing.

Skin Health:
Aloe vera gel is commonly used in skin care products because of its ability to moisturize and soothe the skin. It can also help to reduce the appearance of fine lines and wrinkles, and it has been found to be effective in treating skin conditions such as psoriasis and eczema.

Immune System Boost:
Aloe vera contains a range of vitamins and minerals that can help boost the immune system and improve overall health. It is particularly rich in antioxidants, which can help protect the body against damage from free radicals.

Anti-Inflammatory Properties:

Aloe vera contains compounds that have been found to have anti-inflammatory properties, making it an effective treatment for conditions such as arthritis and asthma.

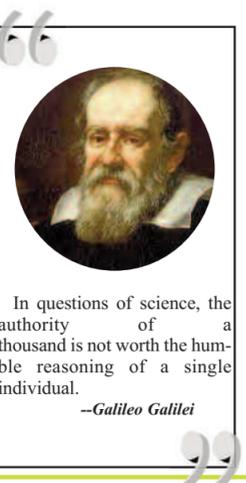
Diabetes Management:
Aloe vera has been found to help regulate blood sugar levels in people with diabetes. It

can also help to lower cholesterol levels, which can reduce the risk of heart disease in people with diabetes.

Oral Health:
Aloe vera has been found to be effective in reducing inflammation and fighting bacteria in the mouth, making it an effective treatment for gum disease and other oral health problems.

Side Effects of Aloe Vera:
Taking 1 gram a day of aloe latex for several days can cause acute kidney failure and be fatal. Aloe latex might also have the potential to cause cancer. Other side effects include abdominal cramps and diarrhoea. Oral use of aloe latex and whole-leaf extract isn't recommended for children younger than 12 years old.

Conclusion
In conclusion, aloe vera is a versatile plant that has numerous health benefits. Its gel-like substance has been used for thousands of years to treat a range of health conditions, from digestive problems to skin conditions. Whether consumed as a supplement or used topically, aloe vera can be an effective and natural way to improve overall health and well-being.



In questions of science, the authority of a thousand is not worth the humble reasoning of a single individual.

—Galileo Galilei



Kinza Amjad

Products made from soybeans are increasingly being used in the feed and food industries. Currently, India produced 9.3 million metric tonnes of soybeans, or nearly 4% of the entire global production, which totals 219.8 million metric tonnes



Quality Of Soybean In Terms Of Its Products And Essential Amino Acid

The highest amount levels of exogenous amino acids were determined in the soybean grains regardless of the origin of the raw material.

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Less than 10% of this produce is directly utilised for human consumption (Gandhi, 2006). Today's assessments of soy products are based on a considerably wider range of tests, enabling a more precise assessment of the nutritional value of the various products.

The value of soybeans products will increase with advancements in technological adaptations of soybean products and a greater understanding of the impact on performance and health of relatively unknown chemicals, such as isoflavones.

The importance of accurate analysis of these novel chemicals will increase. At every point in the food and feed industry's protein supply chain, soy products must undergo quality analysis.

Table 1. Classification of soybean quality factors (Hurburgh and Brumm, 2004) Unstable grain quickly becomes

Classification	Example	Comment
Defects	Foreign material	Defects reduce the value of grain for all users.
	→ Damage	
	→ Splits	
	→ Heat damage	
	→ Toxic substances	
	→ Moisture variation	Unstable grain quickly becomes high in defects
Shipment and storage factors	→ Insect infestation	
	→ Sour, heating	

SOYBEAN GRADING:
Grading is the process of grouping grain and oil seeds based on variables or qualities that determine their grade. Inspection is the term for the grading procedure. In 1916, the first US grain grades and standards were created. The methods and tools used for official inspections are decided upon by the Federal Grain Inspection Service, a branch of the USDA.

According to the grain standards act, soybeans are defined as grain that contains 10% or less of other grains for which standards have been established and 50% or more of whole or broken soybeans that cannot pass through an 8/64-inch round hole sieve.

Yellow and mixed soybeans are the two different types of soybeans. Yellow or green seed coatings that are yellow or have a yellow tinge in cross

section can be found on yellow soybeans.

The investigation revealed no statistically significant variations between the amounts of specific amino acids in the protein of the soy drink and soy dessert manufactured from genetically modified soybean grains. The content of amino acids in the soy products analyzed was statistically significantly lower than that in the raw material.

According to Zaremba [2] and Hoffman et al. [3], the technological processes of manufacturing food from soybean grains cause the contents of individual components to decrease several times. Key et al. [4] and Craig [5] claim that adding nutrients to those soy products could prove practical to offset their nutritional value and make it comparable to the nutritional value of the animal

Amino Acids	Product	Product from Soybean Grain	Content (g/100 g)	Sx (+/-)
			(*)	
Phenylalanine	Soy drink	GM	0.151	0.001
Leucine	Soy dessert	GM	0.157	0.009
	Soy drink		0.226	0.001
	Soy dessert		0.234	0.004
	Soy drink	GM	0.207	0.136
Isoleucine	Soy dessert		0.145	0.002
	Soy drink	GM	0.040	0.002
Methionine	Soy dessert		0.042	0.002
	Soy drink	GM	0.137	0.001
Valine	Soy dessert		0.141	0.007
	Soy drink	GM	0.186	0.001
Lisine	Soy dessert		0.194	0.005

protein-based products.

CONCLUSION :
High quality soybeans and soy based foods are generally preferred and the standards available will assist the producer and consumers in the

selection of the best based on various physical and chemical characteristics and end-use.

These standards will be useful for all the people concerned with the soybean indus-

try globally. Based on the research analyses performed, it was confirmed that, except for tryptophan, exogenous amino acids were present in the soybeans grain and in their products...**Read More**



Attiq Ul Rehman

For students, the blockchain era continues to be extraordinarily new, and schools are presently integrating curriculum to assist them draw closer to it. In an honest language, we can say, blockchain is a decentralized era



Blockchain Technology: Significance & Importance In Future

The blockchain is a gadget constructed completely on Distributed Ledger Technology (DLT). This era was created to guide the cryptocurrency such as BITCOIN.

The blockchain is a gadget constructed completely on Distributed Ledger Technology (DLT). This era was created to guide the cryptocurrency such as BITCOIN. We will display and confirm Bitcoin transactions with the Blockchain resources.

Peek at what the Bitcoin genesis block appeared like. The blockchain's novelty is that it guarantees the accuracy and protection of a statistics file at the same time as additionally producing agreement with the requirement.

A blockchain organizes statistics into groupings known as blocks, every of which incorporates a set of statistics. Blocks have precise garage capabilities, and whilst they're full, they're closed and related to the previous block, generating a statistics chain referred to as the blockchain.

All extra statistics brought after that newly brought block is compiled into a brand-new block, that's then brought to the chain after it's far filled. We may also describe blockchain as a decentralized era in easy terms. Blockchain is utilized by a

worldwide community of computer systems to manage a database of many computer systems that information Bitcoin transactions.

For students, the blockchain era continues to be extraordinarily new, and schools are presently integrating curriculum to assist them draw closer to it. In an honest language, we can say, blockchain is a decentralized era.

A worldwide community of computer systems makes use of blockchain to manipulate the database of numerous computer systems that have information about Bitcoin transactions. This era could be very new for the scholars and universities nonetheless which include coursework to recognise the blockchain era.

Key Points of BlockChain
A blockchain is a form of decentralized database that differs from conventional databases in the way that data is stored: information is kept in blocks that are subsequently linked together using cryptography.

New information is added to a new block as it is received. Once the block is full of information, it is chained onto the block before it, creating a sequential chain of information.

A blockchain can store a wide range of information, although as of now, a transaction ledger has been the most widely used

function.

In the case of Bitcoin, blockchain technology is used in a decentralized manner, which means that no one entity or individual has control; rather, all users have collective authority.

Data entered into decentralized blockchains cannot be updated since they are permanent. This means that Bitcoin transactions are publicly visible and forever recorded.

How does blockchain technology work?

We shall openly acknowledge that a blockchain's operational capability may be immensely complicated. A blockchain is a complex statistical structure that depicts a financial ledger or a list of transactions. To ensure the authenticity of each transaction, a digitally signed key is used to encrypt it. No, you can still verify the transactions' legitimacy because they adhere to the encryption and decryption policies.

What is Distributed Ledger Technology (DLT)?

An allotted ledger (allotted ledger generation, DLT) is a union of shared, replicated, and synchronized virtual statistics that geographically unfold throughout a couple of sites, countries, or institutions. By the usage of this generation blockchain creates such surroundings that facilitates customers to offer the maximum

steady platform for changing facts and statistics.

If you're a student, Distributed Ledger Technology is a completely trending subject matter and in academics, it could be your subsequent subject matter for the assignment.

Why is Blockchain Technology our future?

We now understand what Blockchain Technology is, how it works, and why it offers the highest level of transaction security. It maintains a record of numerous bitcoin transactions that pass via several computers worldwide. There are many reasons why blockchain technology could be the future of data sharing and online transactions in the era to come, and its potential for growth is very great.

Here are the maximum vital advantages of Blockchain generation that can show to be beneficial for companies in distinctive industries:

Trustworthy Machine and Steady We can develop a data structure that permits users to establish and confirm transactions without the involvement of a third party with the help of blockchain creation.

The likelihood of unauthorized interference and backdoor transactions is actively reduced. Strong encryption and decryption techniques are used in the construction of blockchains.

How does it do this? By creat-

ing a secure environment that no one can hack into. If a sizable group is working simultaneously across multiple data centers, changing ancient truths is simply a possibility.

Transparency Blockchain generation facilitates making the transaction system obvious. As we've realized that blockchain generation is entirely based on disbursed ledger generation which lets in customers to have complete entry and manipulate over all their facts and transactions.

Faster Transactions

Despite the fact that we are technologically more advanced, online transactions take longer when using virtual documentation. Inter-financial institution transactions, in particular on non-operational days, may need several days for clearing and final settlement. Yet, the blockchain generation can handle transactions around-the-clock in minutes.

Reduced Transaction Fees

By utilizing blockchain technology, a transaction machine is built to do away with third-party intermediaries and administrative costs for replacing assets. In order to reduce governance and audit costs, blockchain generation can be purchased through banks.

For a fresh new era of transactional applications, blockchain generation is more powerful,

transparent, and economical. It has the ability to remodel structures in a variety of industries, including manufacturing (supply chain management), healthcare (electronic scientific statistics), and entertainment (gaming and music streaming).

How can Blockchain Technology help the Government?

There are numerous ways that the blockchain generation could help the government. With the help of this generation, the government might have easy and really obvious access to any data and records that spread throughout the internet in an utterly disorganized manner.

The government may keep track of each person's transactions and exchange records with other nations. This is a more reliable, steady, and quick method for sending data and statistics around the world.

Blockchain Identity

Whether you want it or not, the reality is on-line buying websites recognize the whole lot approximately you for instance in case you buy any provider from any site, that internet site asks you to proportion your identification and after you proportion your identification. It will become a records document for that internet site, and that they promote your records to different marketing and marketing websites...*Read More*



Sadia Munir

Heat wave frequency has also increased since the middle of the 20th century in large parts of Asia, and the frequency of hot days in South Asia is likely to increase day by day in the future. Rainfall trends, both increasing and decreasing and including extremes, have been observed in different parts of Sindh



Climate Change Effects On Sindh Province

Warming has occurred at a country scale across most of South Asia over the 20th century and into the 21st, and there have been more temperature extremes.

Sindh is smashed between the two monsoons — the southwest monsoon from the Indian Ocean and the northeast or retreating monsoon, which is deflected towards it by the Himalayan mountains—and thus escapes their influence. Climate change poses a threat to coastal communities in Sindh province.

It has the potential to aggravate floods, sea level rise, severe storms, coastal erosion, droughts, and extreme weather events such as coastal storms, hurricanes, and tornadoes across coastal communities in Sindh province.

Climate change in the Mediterranean | UNEP MAP Between 2010 and 2022, the Asia region as a whole experienced the most weather- and climate-related disasters in the world, resulting in almost 30% of total global economic losses. In terms of casualties, the risk of flooding deaths is concentrated in Asia.

In 2015, a climate effect short and intense heat wave killed more than 2000 people in Karachi and rulers areas of Sindh that is an alarming sign of climate change. Climate change is likely to bring about more frequent occurrences of heat waves, which will primarily affect the poor and vulnerable more severely.

Warming has occurred at a country scale across most of South Asia over the 20th century and into the 21st, and there have been more temperature extremes. It is also likely that the number of cold days and nights has decreased and the number of warm days and nights has increased across most of Asia.

Heat wave frequency has also increased since the middle of the 20th century in large parts of Asia, and the frequency of hot days in South Asia is likely to increase day by day in the future. Rainfall trends, both increasing and decreasing and including extremes, have been observed in different parts of Sindh.

An increase in extreme rainfall events related to monsoons is very likely in the region, and more frequent and heavy rainfall

days are projected over whole Sindh especially on right bank of Sindh land sliding occur in this area.

Damage to infrastructure, livelihoods and settlements from urban floods linked to extreme rainfall events, rising sea level, sea surges and cyclones.

In urban and ruler areas where child mortality is high, extreme temperatures and heavy rain fall have led to more deaths. Mental disorders and post-traumatic stress syndrome have also been observed in disaster prone areas.

Research and climate change indicates that precipitation in Karachi has been decreasing over the last four decades, while temperatures have been rising, a trend that is likely to continue as climate change impacts intensify. Increased morbidity and mortality due to heavy rain and flooding after flooding will become a major public health.

This considerable threat could undermine the growth of Sindh tackling disease, malnutrition and early deaths to newborn babies, Pregnant women, many pathogen and parasites encephalitis outbreak in Sindh have been associated with frequency of rain-

fall, after floods at higher risk face pathogens and parasites can multiply faster cause Dengue. The incidence of many diseases increases in human also animals and birds die due to dirty water drinking

Assessing vulnerability to

climate change is important for identifying overall risks, vulnerable areas, sectors and social groups.

It is critical for cities to better understand these risks and how they vary across time scales and spatially across geographical

locations, and how they can affect city-level development sectors such as infrastructure, municipal finance and other public and private functions and assets.



Warming has occurred at a country scale across most of South Asia over the 20th century and into the 21st, and there have been more temperature extremes. It is also likely that the number of cold days and nights has decreased and the number of warm days and nights has increased across most of Asia



Junaid Dhillon

The high-protein fiber that remains after soybean oil is removed is toasted and prepared into animal feed for poultry, pork, cattle, fish, and pets. Over half of the soybeans processed for livestock feed are fed to poultry. Soybeans are 18% oil and 38% protein



Soybean, Species Of Legume Native To East Asia Cultivates For Edible Bean

The most important countries of the world with the highest rate of soybean production include the USA, Brazil, Argentina, China, and India.

The word "soy" originated as a corruption of the Cantonese or Japanese names for soy sauce

(Chinese: 邪澀; Jyutping: si6jau4; Cantonese Yale:

sihyauh) (Japanese: 雑澀, shōyu). A species of legume native to East Asia, the soybean, soy bean, or soya bean (*Glycine max*) is extensively cultivated for its edible bean, which has a variety of uses.

The most important countries of the world with the highest rate of soybean production include the USA, Brazil, Argentina, China, and India.

Soybeans are a highly valuable crop for several reasons. As legumes, they "fix" nitrogen, reducing the need for nitrogen fertilizers. An excellent source of protein, soybeans are also richer in oil than most legumes, making them a good source for vegetable oil and biofuels.

Soybeans and soy foods may reduce the risk of a range of health problems, including cardiovascular disease, stroke, coronary heart disease (CHD), and some cancers, as well as improving

bone health. Soy is a high-quality protein, and one or two daily servings of soy products can be beneficial to our health.

The high-protein fiber that remains after soybean oil is removed is toasted and prepared into animal feed for poultry, pork, cattle, fish, and pets. Over half of the soybeans processed for livestock feed are fed to poultry. Soybeans are 18% oil and 38% protein.

The remainder of soy meal is used to make some soy foods like tofu and soy milk. The soybean oil that remains after processing out the meal has many uses including cooking oil, biodiesel and bioheat, and non-toxic industrial supplies like paints and cleaners.

Soybean's clean, natural taste and nearly imperceptible odour support and enhance the natural flavours of prepared foods. Soybeans neutral flavour lets the real taste of the food product come through.

Adaptable to nearly every fat or application in the food industry, soybeans work well with other ingredients, including other fats and oils, making them very suitable for use in salad dressings, sauces, and baked goods. Soybeans can turn two ounces of olive oil into a whole pint of flavouring for salad dressings.

The distinctive aroma of

olive oil will be evident, even though the bulk of the dressing's components come from inexpensive soybeans.

Compared to other vegetable oils, soybean, a species of legume native to East Asia, has a good emulsifying ability, making it the first choice of the general food industry. Moreover, soybeans are very important for human life because they are helpful in dealing with many body diseases like diabetes, improved blood circulation, and aids. Soybean is rich in folic acid and vitamin B complexes, which are very essential for pregnant women.

Soybean is also a major oilseed crop. Soybean oil is a vegetable oil that's extracted from the seeds of the soybean plant. Between 2018 and 2019, around 62 million tons (56 million metric tons) of soybean oil were produced around the globe, making it one of the most common cooking oils available.

It's also incredibly versatile and can be used in a variety of cooking methods, including frying, baking, etc. Most baked breads, cookies, crackers, pies, and cakes contain soy oil.

Soybean oil can be converted to biodiesel fuel with a process called "transesterification".

This eco-friendly fuel has proven to burn cleaner than

traditional petroleum-based fuels. Soybean oil has a relatively high smoke point, which makes it a good option for high-heat cooking. Soybean oil mostly consists of polyunsaturated fats, which are linked to lower cholesterol levels and a reduced risk of heart disease.

Soybean oil is rich in vitamin E, a nutrient that can help promote skin health. Applying it topically may protect against inflammation and help the skin retain moisture.

Soya bean was recognised

as a popular crop for intercropping with sugar cane, an ideal combination of an exhaustive and restorative crop. Its cultivation in Pakistan peaked in 1990, but then it started to decline gradually and almost disappeared from our fields by 2010.

Soya bean is a short duration crop, maturing in 90 to 120 days, depending on the seed variety and weather. It also fits well in our existing cropping system without clashing with major crops. The cultivation of soya

beans after exhaustive crops (wheat, rice, and cotton) also helps restore the soil's fertility and health for the next exhaustive crop because soya beans capture nitrogen from the air and store it in the soil.

As the soya bean can help cut edible oil imports to a significant extent, the Ministry of National Food Security and Research needs to launch a massive information drive at federal level in close coordination with provincial agricultural departments and oilseed boards.



Hafiz Amir Tauqeer Baig

You could also consider sending your essay to a UK magazine, such as The Telegraph. This British magazine accepts submissions without solicitation and seeks original writing. Generally, Telegraph editors respond within 24 hours to requests. Before you submit your work, be sure to go through the guidelines. The Guardian's guidelines can help when you submit your work to magazines and ensure it is properly published



How To Write Personal Essays In UK

The New Statesman is a British newspaper that is an excellent place to submit your work. Your work will be appreciated by the editors and readers of the publication.

You are able to submit up to five personal essays to various universities in the UK. Each personal statement should not exceed the limit of 4,000 words. The word limit is essential for your essay, and you should attempt to keep it as short as possible.

The majority of the words should be about your academic profile, while 20% should be about extracurricular activities or other interests. These guidelines will help you write your essay professionally. Before you begin, think about the purpose of your essay. Its aim is to present your personal qualities to the reader, therefore, you should be modest.

When writing personal essays in the UK, keep the audience in mind. Remember that it's not just about getting noticed; it's about getting published.

There's no guarantee that your work will be published on one of these top sites, but even if it is, you'll be surprised at how easy it is to find a home in the UK. Despite the huge popularity of these sites, you can still submit your own work to them even if you don't have any connections

to the publication.

If you're a writer with experience, you could try pitching your work to an eminent newspaper or magazine. A British magazine, The Guardian, is an excellent place to start. It is an excellent place to submit your work because it is focused on news, entertainment, and culture. They pay very well and usually respond to requests within 24 hours. If you submit your work, you will receive a personalised response.

You could also consider sending your essay to a UK magazine, such as The Telegraph. This British magazine accepts submissions without solicitation and seeks original writing. Generally, Telegraph editors respond within 24 hours to requests. Before you submit your work, be sure to go through the guidelines. The Guardian's guidelines can help when you submit your work to magazines and ensure it is properly published.

Other personal essays UK publications are available online. The New Statesman is a British newspaper that is an excellent place to submit your work. Your work will be appreciated by the editors and readers of the publication.

They'll publish it for free, and you can even reach out to editors and publishers to negotiate the price. You'll probably be contacted by a journalist at The

Guardian, where you can submit your work. After you have submitted your essay, you can anticipate hearing from The Guardian.

If you are a British citizen, your essay can be submitted to The New Statesman. The Guardian is an online magazine that focuses on politics, news, and culture.

Unlike other magazines, The Guardian's guidelines are easy to follow. You can submit your work to The New York Times or Telegraph if you'd like it to be published in an eminent publication. These publications have original, captivating articles and a highly skilled editorial staff.

The New Statesman, a British magazine, focuses on news, culture, and politics. Despite its size, The Guardian is a good place to submit your personal essay since it's an exclusive publication. Within 24 hours, editors will respond to your essay.

The New Statesman is a great place to submit your work when you're a British citizen. Its writers' guidelines are extremely helpful for writers.

The Guardian is another fantastic place to submit your personal essay. The newspaper's history dates back to the 1820s. It is one of the most trusted sources of news, culture, and entertainment.

It is crucial to learn how to present yourself professionally if you're passionate about writing.

Furthermore, it isn't easy to sell yourself, and the majority of people are taught to be cautious. If you're a fan of writing and are not certain of what you want to write about, you'll find an outlet for it in The Guardian.

The New Statesman is an English magazine that focuses on news and culture. You can submit your own essay to them. This magazine is ideal for people who love politics and are passionate about their country.

They are always seeking interesting, profound, and relatable pieces that showcase a person's personality. You can be sure that

they'll pay you the right amount for your work. You can also

write about your hobbies, life, and other subjects.

Other personal essays UK publications are available online. The New Statesman is a British newspaper that is an excellent place to submit your work. Your work will be appreciated by the editors and readers of the publication





EU's Proposed AI Act Aims To Strengthen Application Of AI



The European Union (EU) is considering a new legal framework that would significantly strengthen regulations for the development and use of artificial intelligence (AI).

The European Union (EU) is considering a new legal framework that would significantly strengthen regulations for the development and use of artificial intelligence (AI). The proposed Artificial Intelligence Act of EU would categorise AI systems according to risk and impose different requirements for their creation and application.

Many legislators in Europe emphasise the necessity of fostering AI innovation while also protecting the public as they continue to debate the specifics.

The Artificial Intelligence (AI) Act, a proposed piece of legislation, is primarily concerned with tightening regulations regarding data quality, transparency, human oversight, and accountability.

Additionally, it aims to address ethical issues and implementation difficulties in a number of industries, including healthcare, education, finance, and energy.

Thierry Breton, the EU's Commissioner for Internal Market, stated in a statement that "[AI] has been around for decades but has reached new capacities fueled by computing power."

The Artificial Intelligence Act aims to "harness the potential of AI for industrial use, ensure that AI in Europe respects our values and rules, and strengthen Europe's position as a global hub of excellence in AI from the lab to the market."

A classification system that assesses the potential risk that AI technology poses to a person's health, safety, or fundamental rights forms the basis of the AI Act. Four risk tiers are included in the framework: unacceptable, high, limited, and minimal.

There are few restrictions on the use of AI systems that pose little risk...[Read More](#)

Innovation Station Travels Aim To Discuss Women's Role As Climate Leaders

Secretary's Office of Global Women's Issues visited Slovenia, Austria, and Hungary to talk about how women and girls can be change-makers and leaders in the field of climate change.

The Innovation Station, a programme of the Secretary's Office of Global Women's Issues (S/GWI), supports the development of innovative, replicable solutions to climate-related problems in local communities by women and girls.

The initiative boasts a growing network of women and girls who are putting their solutions into practise and exchanging best practises all over the world, in addition to a virtual event series, podcast, and newsletter.

While converting to clean energy, Central Europe is experiencing an increase in heat stress, wildfire risk, and other effects of climate change. The Secretary's Office of Global Women's Issues visited Slovenia, Austria, and Hungary to talk about how women and girls can be change-makers and leaders in the field of climate change.

I was interested in how scientific institutions in the region are addressing barriers to women's and girls' entry into STEM careers, especially those related to tackling climate change. I learned about the Institute Jozef Stefan's Athena project in Slovenia and the role of the Innovation Station in building networks for women and girl innovators. At the Lake Balaton Limnological Research Institute, I heard about efforts to combine science and art to

spark public interest in the environmental challenges facing Hungary's largest lake.

IIASA's prioritization of interdisciplinary research highlighted the gender-climate nexus, and I was able to reflect on my own experiences as a woman scientist during an event at the Austrian Academy of Sciences. The event highlighted systemic and institutional barriers to women's and girls' advancement in STEM, while also highlighting the role of men and boys in facilitating change.

Engaging with students and learning about their STEM interests can help identify barriers to entry. A roundtable discussion at Semmelweis University in Budapest discussed the role of social media and other tools in sharing information about climate, environmental, and other STEM-related global challenges.

At the University of Pannonia, I highlighted the role of women and girls in building resilience and studied replicable best practices from members of the Innovation Station network.

Turning scientific and technological developments into profitable ventures was another subject that students found interesting. This is something that will become more and more important as the green and blue economies grow and as industries change to more sustainable practises.

I met several Academy for Women Entrepreneurs programme alumni at an event sponsored by CEED Slovenia, where I also spoke with other business owners from all over Ljubljana...[Read More](#)

Italy Ban Lab Grown Food To Safeguard Country's Agri Food Heritage



The draft stated that the new regulations do not apply to goods produced in Turkey, the European Economic Area, or any other country within the European Union.

To protect the nation's agri-food heritage, the Italian government on Tuesday approved a bill that forbids the use of food and animal feed that have been grown in laboratories. The agriculture minister announced this at a press conference following a Cabinet meeting.

According to a draft of the bill obtained by Reuters, Italian industry won't be permitted to

produce food or feed "from cell cultures or tissues derived from vertebrate animals" if the proposal is approved by parliament.

The draft stated that the new regulations do not apply to goods produced in Turkey, the European Economic Area, or any other country within the European Union. The maximum fine for breaking the rules is 60,000 euros (\$65,022). Minister Francesco Lollobrigida, a prominent member of the right-wing Brothers of Italy party, which is led by Prime Minister Giorgia Meloni, stated that "laboratory products...[Read More](#)

EU Firms Exporting Toxic Banned Pesticide To Global South

380 tonnes of illegal chlorpyrifos insecticides were exported by European companies in the second half of last year, according to Unearthed and Public Eye, a Swiss NGO.

A toxic pesticide that has been banned in Europe due to its associations with brain damage in children and unborn children is being exported by European businesses to developing nations in large quantities.

380 tonnes of illegal chlorpyrifos insecticides were exported by European companies in the second half of last year, according to Unearthed and Public Eye,



a Swiss NGO. The same businesses anticipate shipping comparable volumes this year.

The investigation reveals that Europe has continued to export chlorpyrifos even after the EU forbade its use in that year. Scientific proof that this "organophosphate" pesticide resulted in "unfavourable neurodevelopmental outcomes in children" led to its ban. Research has connected the chemical's prenatal exposure to developmental delays, autism, and IQ decline.

Nearly all of Europe's 2022 chemical exports were going to low- or middle-income countries (LMICs). It is unfair to poor nations that many people's health must still be put at risk in order to keep a few people's businesses afloat.

Algeria, Tunisia, Kazakhstan, Bangladesh, Pakistan, and Costa Rica were the main travel destinations. According to the Food and Agriculture Organization of the United Nations, the risks associated with using highly hazardous pesticides in LMICs are "almost without exception" much higher than they would be in wealthy nations...[Read More](#)

German Launch Startup Isar Aerospace Scores \$165 Mln



Isar Aerospace, a German startup in the launch industry, has raised an additional \$165 million (€155 million) as it works to launch its Spectrum small rocket later this year.

Isar Aerospace, a German startup in the launch industry, has raised an additional \$165 million (€155 million) as it works to launch its Spectrum small rocket later this year. The busi-

ness, which was established in 2018, is one of a few startups in Europe looking to close the launch market gap on that continent.

Only the heavy-lift Ariane 5 rocket from ArianeGroup and the Vega launch vehicle from Italian aerospace company Avio are currently in flight in Europe. But according to Daniel Metzler, CEO of Isar, European governments are beginning to recognise the geopolitical and financial benefits of sovereign launch capabilities.

"If you look at the European Union, even Germany itself, the automotive industry is given a lot of attention. ...[Read More](#)

France To Host OPEN-C Foundation, EU's Largest Offshore Testing Facility



Projects with a combined budget of €400 million are planned for the first ten years of operation, with roughly two thirds private funding and one third public funding.

The creation of the OPEN-C Foundation, which will be Europe's largest offshore testing facility for floating wind turbines and renewable marine energy, was announced last week by ten public and private founders (Ifremer, Centrale Nantes, ITE France Énergies Marines, EDF, RTE, TotalEnergies, Technip Energies, Valorem, Valeco,

Énergie de la Lune). Floating wind turbines, tidal energy, wave energy, offshore hydrogen production, and floating solar systems will all be the subject of offshore experiments that will be managed, planned, and organised by the OPEN-C Foundation, which was created after three years of teamwork.

It is a high-impact project that aims to strengthen France's position on these strategic issues and help the energy transition proceed more quickly.

This project was just announced a few days after the European...[Read More](#)

European DeFi Startups Hit \$1.2 B In 2022, 120% Increase From Last Year

VC investment in cryptocurrency startups with European headquarters reached an all-time high in 2022, according to a new study from RockawayX, with \$5.7 billion invested.

European Decentralized finance (DeFi) startups raised \$1.2 billion in 2022, a 120% increase over the \$534 million invested the year before. Venture capital investments in European crypto startups reached an all-time high of \$5.7 billion in 2022, despite the still-volatile market conditions.

With a persistent bear market and high-profile failures of some of the sector's most important players, including Terra and FTX, 2022 was a turbulent year for the cryptocurrency market. Venture capital (VC) investors supported cryptocurrency startups despite the setbacks.

VC investment in cryptocurrency startups with European headquarters reached an all-time high in 2022, according to a new study from the European investment firm RockawayX, with \$5.7 billion invested.

The CEO of RockawayX, Viktor Fischer, noted that the cryptocurrency market is cyclical. The market cap of all digital assets decreased by 80% over the

winter of 2018 while startup funding activity remained stable.

The tech and usage traction, along with "bull market" price recoveries, "materialised investments made when digital asset prices were depressed." According to the headquarters, Europe also has the most cryptocurrency startups (3,977).

The number of unicorn compa-

More than half (52%) of all investments in European DeFi startups went towards those that offer financial services, with infrastructure and Web3 accounting for 32% and 16% of total investments, respectively.

However, infrastructure grew by 24%, while investment in startups based on financial services decreased by 19% from 2021



nies—startups valued at over \$1 billion—and startups with over \$1 million in funding, however, lags far behind American levels. Animoca Brands, Coinbase, Blockchain Capital, and the Digital Currency Group are among the top international investors in European startups.

to 2022. As legislators in the European Union complete the eagerly awaited Markets in Crypto-Assets (MiCA) regulations, Europe is becoming more and more recognised as a cryptocurrency-friendly region. Due to problems with translation, the EU has delayed...[Read More](#)