Million Infected Cases And The US Food and Drug Administration (FDA) representing the major administration (FDA) announced the approval of hundreds of flopsins AD therapy, on June 7, 2021. Implicated More Than 4.7 Aducanumab immunotherapy for Alzheimer's disease is the most common form of dementia, and it is estimated to affect over 50 million people worldwide. The FDA's approval of Aducanumab is a significant milestone in the development of treatments for Alzheimer's disease, as it is the first FDA-approved treatment for Alzheimer's disease in over 15 years.

The results of the five pivotal clinical trials were discussed during a meeting between the Minister of Health, and the US Ambassador to Pakistan, last month. Islamabad had received a report from the FDA about the trial data, which was presented to the National Institute of Excellence in Health and Development (NEAC). The trial was designed to reduce the number of hospitalizations, deaths, and overall health care costs. The study included over 3,000 patients with mild to moderate Alzheimer's disease, and compared Aducanumab to a placebo. The results showed that Aducanumab significantly reduced the rate of clinical decline in Alzheimer's disease patients.

The Sanford Global Health Institute (SGHI) held a seminar on Sunday in an attempt to increase awareness and excellence in agriculture. The SGHI is a global organization committed to improving agricultural productivity and food security. The seminar was attended by experts from the agriculture sector, and aimed to discuss the current challenges and opportunities facing the agricultural sector in Pakistan.

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How Nutritious Is Canola Oil?

Canola oil is a good source of omega-3 fatty acids, which are essential fatty acids that are important for maintaining healthy skin and hair, regulating metabolism, and supporting the immune system. One tablespoon of canola oil contains approximately 1.1 grams of alpha-linolenic acid (ALA), an omega-3 fatty acid.

Benefits of canola oil:
- Canola oil has been shown to help lower cholesterol levels and reduce the risk of heart disease.
- The monounsaturated and polyunsaturated fats in canola oil can help improve cholesterol levels by reducing LDL (bad) cholesterol and increasing HDL (good) cholesterol levels.
- Canola oil contains omega-3 and fatty acids which have anti-inflammatory properties.
- These fatty acids can help reduce inflammation in the body, which can lead to a variety of health problems. Canola oil is also a good source of omega-6 fatty acids, which is an anti-inflammatory substance.
- Canola oil can also help reduce the risk of certain types of cancer, including breast, prostate, and ovarian cancer.
- Canola oil can also help improve digestive health by regulating the gut microbiome.

Overall, PFAS contamination presents both challenges and opportunities for innovation, technology transfer, and addressing the challenges posed by these chemicals will require a coordinated effort between government, industry, and civil society. While there are significant challenges to managing PFAS contamination, there are also opportunities for research, technology transfer, and innovation that can help mitigate the environmental and health risks associated with these chemicals.

Studies have shown that PFAS can accumulate in fish and other aquatic organisms, potentially leading to reduced population sizes and reduced survival rates.
the most vital pollinators on earth that exist. Among all the animal pollinators, the bees are so much important in pollination of important food crops and other essential bee products. Without pollination the flowers do not produce fruits. There are many reasons of pollination. The pollination process is carried out by animals and plants called pollinators. Some of these pollinators are honey bees and bumble bees. All the animal pollinators are becoming major causes of the bee decline. Excessive use of pesticides, deforestation, environmental pollution and many other factors are some causes of bee decline.

Bee decline is a threat to the entire bee ecosystem. Some bee species are on the verge of extinction. Honeybees provide us honey and pollen in addition to products such as beeswax, royal jelly and propolis. People also keep beehives in many countries in order to get these products. This practice is known as beekeeping. Many smallholder farmers also have beekeeping activities in order to increase food security. For this purpose we must give more bee friendly plants, provide them with protection of natural habitat and food resources. This will help to improve the diversity of the bee which will in turn significantly provide healthy food.

Authors: Muhammad Arwa Ahmad, Mariam Zahid, Danyal Haider Khan

Pharmacodynamic
Pharmacodynamics is the study of how the drug affects the body. It includes the absorption, distribution, metabolism, and excretion of the drug. In this case, the absorption of the drug is important because it determines how quickly and efficiently the drug reaches the site of action. The distribution of the drug is also important because it determines how widely the drug spreads throughout the body.

Pharmacokinetics
Pharmacokinetics is the study of how the body processes a drug. It includes how the drug is absorbed, distributed, metabolized, and excreted by the body. In this case, the pharmacokinetics of the drug is important because it determines how long the drug remains in the body and how long it is effective.

Clinical Trial
A clinical trial is a study that is conducted to determine the safety and effectiveness of a drug. In this case, the clinical trial is important because it provides evidence that the drug is safe and effective for use in humans.

Conclusion
In conclusion, the drug Aducanumab is a promising treatment for Alzheimer’s disease. It shows promise in slowing the progression of the disease in early-stage patients. However, more research is needed to fully understand its mechanism of action and long-term effects. Overall, the drug represents a significant advancement in the treatment of Alzheimer’s disease.

References

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Life On Earth, Because Of Bees

A ndrews’ disease is one of the most common degenerative diseases of the elderly. After two decades of intensive research, a new drug has finally been approved by the FDA. The drug is called Aducanumab, and it was approved on June 7, 2021. This has led to much excitement and hope for the future of Alzheimer’s disease research.

A ducanumab works by binding to a protein called amyloid beta, which is associated with Alzheimer’s disease. When the drug binds to this protein, it helps to remove it from the brain, thereby reducing the accumulation of amyloid plaques and neurofibrillary tangles. This can lead to improved cognitive function, reduced symptoms, and a delay in the progression of the disease.

A ccording to research, almost 85% of angiosperm plants are pollinated by insects, mainly bees. Bees include both the honey bee and solitary bees, as well as bumble bees and other wild bees. The social bees, such as honey bees, earn a good amount through beekeeping. The solitary bees, on the other hand, do not establish a hive or beehive. LifeOn Earth, Because Of Bees

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References
Remote Teaching In Africa Face Challenges During COVID: Research

The research revealed that learners had to learn about the technology required for online teaching or they would “adapt or die.” Research was conducted in two of the largest open distance education organizations on the African continent to understand how the COVID-19 pandemic had impacted learners’ teaching and use of technology.

The survey found that 49% of South African universities that had taken part reported a decrease in attendance. The survey also found that 85% of students had access to the necessary technology. However, only 60% of students were able to continue with their studies. The survey respondents claimed that the issues were mainly caused by limited access to technology and funding due to strict conditions on the continent.

Learners in Africa were impacted by the pandemic and had not received the necessary support. The survey highlighted the lack of investment in technology and management systems to support students.

Africa Energy Bank Launches To Fund Oil & Gas Projects

Africa Energy Bank has launched an initiative to provide funding for oil and gas projects on the African continent. The bank aims to provide funding for projects that align with the goals of the African Continental Free Trade Area (AfCFTA), which seeks to create a single market for goods and services on the continent.

The bank announced that it would focus on projects that promote sustainable development, including renewable energy and infrastructure. The bank stated that it would work with governments and private sector partners to identify promising projects.

The initiative is expected to expand rapidly in Sub-Saharan Africa, with 300 million people having access to mobile internet by 2023.

STI Key Component For African Development: Dr. Michael Owusu

Science, technology, and innovation (STI) are essential elements that Africa needs to promote social and economic development according to the Chief Operating Officer of Igbo Group.

He emphasized, however, that Africa must take control of its own destiny and look beyond the borders. Africa faces the challenge of competing with the West on technology and innovation. If Africa wants to have a competitive edge, they must develop their own capabilities and create a strong indigenous innovation ecosystem.

The biggest obstacle to Farmers adapting regenerative agriculture is in knowledge access, as a majority of African farmers do not have access to the internet to learn about it. However, the African Fund for Agriculture and Food Security (AFAAS) is working to bridge this gap by providing access to information and training.

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INTERNATIONAL DAY OF LIGHT
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