Agricultural Sectoral Reforms And The Livestock Sector In Pakistan

As per the data from the Pakistan Bureau of Statistics, livestock contributes about 99% of all liquid organizations in 100, given the importance or promoting effective livestock management to the country’s economic growth. The sector is particularly important in rural areas, where 35-40 percent of the population gets their income from the livestock sector. The contribution of the livestock sector to the GDP of Pakistan’s economy in 2019, agriculture contributed around 22.04 percent, while the contribution of the services sector was 55.72 percent. It is evident that the livestock sector has a significant role in rural development and poverty alleviation, particularly in rural areas. More than 65-70 percent of the population depends on the livestock sector for their livelihood.

Groundwater Use And Abuse

Groundwater is the most accessible source of water that countries do not have to pay for. Pakistan is one of the countries that depend heavily on groundwater for its water needs. However, groundwater management is a major challenge in Pakistan. The country has seen a significant decrease in groundwater levels in recent years, which has led to serious concerns for the future of the country’s water security. The government and policymakers need to take urgent action to manage the groundwater resources effectively to ensure sustainable water supply for future generations.

Biden Unveils $7B Program To Advance Hydrogen Fuel Projects In 16 States

President Biden announced a $7 billion program to advance hydrogen fuel projects in 16 states across the country, which is a significant step toward achieving net-zero emissions by 2050. The program aims to create jobs and support the transition to renewable energy. Biden said, “The future is now for America's clean energy economy.”

Microsoft Completes Record-Breaking $69B Acquisition of Activision Blizzard

Microsoft has successfully finalized its acquisition of Activision Blizzard, creating a new era of entertainment. The company paid $69 billion for the gaming giant, giving the green light to the global leader in the video game industry. The Competition and Markets Authority (CMA) stated that their worries have been addressed, leading to the approval of the acquisition after an initial block. Phil Spencer, Microsoft’s director of gaming, expressed his excitement about the acquisition.

Sindh Solar Energy Project Nearing Completion, World Bank Informed

When talking about science only thing which erases from our minds by planning that Islamic era of science and technology almost every discovery and invention comes from the Islamic world. Read More

Annular Solar Eclipse And Where To Witness The Ring Of Fire

As the annular solar eclipse approaches, some US states are gearing up to witness the solar phenomenon. The event is a rare occurrence, occurring only when the moon’s shadow falls on Earth without blocking the sun completely. In an annular eclipse, the moon’s shadow blockage causes the sun to appear as a ring of fire, “approaching, some US sites are expected to witness the eclipse. The ring of fire will be visible in a few places across the world, including the United States, Japan, and parts of Europe.

ABC 2023: Symposium Explores Evolution Of Genetic Tools In Agriculture

Biotechnology is the cornerstone of sustainable agriculture, offering potential solutions to address the need for addressing health, food, and nutrition challenges. The ABC 2023 Symposium, held in Nairobi, Kenya, provided a platform for experts, scientists, policymakers, and stakeholders to discuss the evolution of genetic improvement tools and technologies in addressing global food and nutrition challenges. The symposium aimed to explore the future of biotechnology and its impact on the global food system.

Classify To Transform Dairy Farming With AI Cow Health Monitoring

Edmonton-based startups foray is set to transform dairy farming in Canada through innovative technology. Edmonton-based startups aim to introduce advanced technology to dairy farming in Canada through the use of data and analytics. By utilizing the power of data and analytics, the startups hope to provide farmers with valuable insights, such as the animal’s health and productivity. The breakthrough could significantly enhance the wellness and productivity of dairy cows, as the startups aim to transform the dairy farming industry in Canada.

Local Government Manzoor Bukhsh of Sindh, Health, and other critical functions.

OPINION

Omar Shahid, PhD

Director, Biotechnology Division, IAEA

The weeklong conference featured ten high-level panels, a general session, a high-level forum, and six side events organized by the United Nations Educational, Scientific, and Cultural Organization (UNESCO) and IAEA’s other partners, as indicated by IAEA’s Weeklong Conference on Climate Change and Nuclear Power 2023. AnnaSkeff McGarry, cultural-officer at the British High Commission London, emphasized the importance of “level playing field” on energy policies. The conference’s purpose is to showcase how nuclear power can fulfill its role in tackling climate change and energy security challenges.

Atoms4Zero: IAEA Urges Fair Energy Policies For Nuclear Power

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Water Boosts Metabolism, Helps Burn Calories, And Flushes Out Toxins

Abdullah Arjo

Water boosts metabolism, helps burn calories, and flushes out toxins, which can improve overall health. By drinking water, the body can stay hydrated, which is essential for proper physical function and cell hydration. Water also helps with digestion, as it aids in the breakdown of food and transportation of nutrients. Additionally, it plays a crucial role in weight management, as it helps in maintaining a healthy weight and reducing the risk of obesity. Water can also enhance mental clarity and focus, as it helps maintain brain function. Furthermore, water intake can lead to an increased sense of fullness, which can aid in controlling calorie intake, contributing to weight loss. Overall, incorporating adequate water intake into one's daily routine can positively impact overall health and well-being.

Losing weight is a common goal for many people when it comes to improving their health. Whether it's through diet and exercise or embarking on a major transformation, the journey towards a healthier weight can have numerous benefits. By losing weight, one can improve their physical and mental health, feel better, and reduce the risk of chronic diseases. Additionally, losing weight can boost self-confidence and self-esteem, leading to an improved quality of life.

Abdullah Arjo is a nutritionist and health enthusiast. He is passionate about promoting healthy lifestyle habits and shares his insights on the importance of maintaining a healthy lifestyle. His articles on health and wellness are regularly featured in various outlets.

Disability Statistics in Pakistan: A Stark Discrepancy Revealed

Shahid Saleem

Official records from the Pakistan Bureau of Statistics and NADRA reveal that the population of Pakistan with disabilities is considerably underestimated. According to the World Health Organization (WHO), approximately 15% of the world population experiences some form of disability. If we apply this estimate to Pakistan's population, it would translate into an estimated 25.7 million people living with disabilities. The official records from Pakistan's Bureau of Statistics and NADRA reveal that only 2.8% of the PWD population has a special CNIC, while the actual number is more likely to be 4.0% or 8.7 million PWDs. This discrepancy highlights the urgent need to address the registration gap.

The population of PWDs in Pakistan faces numerous challenges, including limited access to education, healthcare, and employment opportunities. Additionally, the lack of a comprehensive disability registration system exacerbates these issues. Therefore, it's crucial to address this gap to ensure that PWDs receive the necessary support and services they need to lead fulfilling lives.

In conclusion, the underserved status of Pakistan's PWD population is a significant concern that warrants immediate attention. Addressing this registration gap is crucial for improving the quality of life for PWDs in Pakistan and promoting inclusive development. It is essential to collaborate with various stakeholders to ensure that PWDs receive the support they need to thrive in society.

Shahid Saleem is a social activist and disability rights advocate. He is dedicated to raising awareness about the challenges faced by people with disabilities and advocating for inclusive policies and practices. His work focuses on empowering PWDs and promoting their rights and inclusion in society.

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Jute is an important agricultural commodity in many countries around the world. It is used as a common vegetable, among other uses. Jute leaves are used in food in many countries, and typically cooked into a particular style of chicken stew unique in Turkey.

Muhammad Usama

Jute Fibres In Pakistan Are With Multifunctional Benefits

Muhammad Usama Shabbir and Shabir Alam®

“Jute leaves are used in food in many countries, and typically cooked into a particular style of chicken stew unique in Turkey.”

Science knows no country, knowledge knows no country, and is the wealth that world unites. Science is the highest personification of the human spirit. We will not be able to realize the exceptionality of next generation of jute fibres in Pakistan until we look for foreign experts, and apply them to the technology house. Because the vegetable contains beta-carotene, its vitamin content is beneficial for eye.

Muhammad Usama Shabbir

Jute Fibres Are With Multifunctional Benefits

In the northern hemispheres, it is a warm during the months of November to December. Brazil allows for the cultivation of two crops every year. The first in May to June and the second in November to December. Plants often grow between 4 and 5 months tall. This crop shows plant height and fiber yield are positively correlated. The chemical composition of jute leaf fiber includes cellulose (74.5%), lignin (13.9%), and hemicellulose (11.6%). These in-composites of 1.3-1.5 g/m², 23-27 MPa tensile strength, and 30-35 MPa Young Modulus. One wonders if today the WHO’s report maintains that jute fibres in future, controlled research confirms the jute leaves have different antibiotic, cancer compounds phytol compounds, new findings, to reduce the cancer risk.

A random sample of study of jute fibres in Pakistan between 2019 and 2020.

In terms of imports of jute, jute and jute textile fibres from Pakistan between 2007 and 2012, Bangladesh (52 thousand), Vietnam (26 thousand) and India (22 thousand) had the fastest growing rate. In that case one would like to see that jute fibres in the future, controlled research confirms the jute leaves have different antibiotic, cancer compounds phytol compounds, new findings, to reduce the cancer risk.

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Groundwater Use And Abuse

The USA, Pakistan and India also heavily rely on groundwater. These five countries account for approximately 70% of the world's water footprint (Figure 2).

The water stored in aquifers is an important source of water, which is essential for human and animal consumption, industrial purposes, and thermoelectric power generation. Groundwater, therefore, is a vital resource to the global water supply. Groundwater is the principal source of water for irrigation, drinking, and industrial purposes. It also serves as a groundwater reservoir, providing water for future needs. Groundwater extraction is 230 billion m³ per year, with 85% of this water being used for irrigation. Groundwater withdrawal is expected to increase, with a predicted increase of 66% between 2020 and 2030 (Figure 3).

Groundwater fills the spaces between soil particles and fractured rock beneath the earth's surface.

Studies have shown that isoflavones can improve lipid profiles, reduce inflammation, and lower blood pressure, all of which are risk factors for heart disease. Isoflavones may also improve endothelial function and are an important marker of cardiovascular health.

The most well-known phytochemicals in soybeans are the isoflavones, often referred to as “phytoestrogens” because they have a structure similar to the hormone estrogen.

Soybeans have a high protein content, with the highest protein content compared to any other legume. Soybeans contain about 40% protein, which is essential for human health. Soybean protein is considered a complete protein, meaning it contains all the essential amino acids needed for growth and maintenance. Soybeans are also a good source of fiber, which can help lower cholesterol and improve digestion.

The soybean plant is a hardy crop that can grow in a variety of soil types and climates. Soybeans are grown in many countries around the world, with the United States, China, and India being the leading producers. Soybeans are also a versatile crop, with uses ranging from human food to animal feed, biodiesel, and even in the production of pharmaceuticals.

In conclusion, soybeans are a valuable crop that provides many benefits to human health and the environment. Their high protein content, fiber, and phytochemicals make them a valuable addition to a healthy diet.