

Food Insecurity - the defining challenge of the century ahead.

OUTLINE:

1. Introduction

Thesis Statement is a challenge of the century ahead, as it is a threat to human health, ~~cap~~ human capital development, and national security. It has become a challenge due to extreme weather disasters and lack of innovative agricultural practices. By building climate smart and innovative agricultural practices, food security can be achieved.

2. Overview of food Insecurity

3. How food insecurity has become a defining challenge of the century ahead?

- a. Rising numbers of population demands increased food supplies
- b. Health ^{risk} of vulnerable population i.e. increased malnutrition among women and children
- c. Threat to human capital development amid inability to spend enough on health and education

- d. Rising poverty and inflation
- e. Increasing gender inequalities due to decreased food supplies
- f. Increased risk of famines
- g. National security is at threat due to increased conspiracies by violent non-state actors
- h. Rise in child labour to fulfill their food demands

4. Why the issue of food-insecurity has become a rising challenge?

- a. Wars and conflicts among countries disrupt the demand-supply cycle of food commodities
- b. Water scarcity results in diminished crops production
- c. Extreme weather-related disasters results in destruction of agricultural land and crops
- d. Lack of innovation in agricultural practices in developing countries
- e. Decrease in import of food supplies due to economic crisis in third-world countries

5. How the issue of food insecurity can be solved - way forward.

- a. Promote climate smart agricultural infrastructure
- b. Promote conducive and peaceful global environment for the supply of food commodities
- c. Inclusion of agricultural innovation to increase productivity
- d. Biofortified and climate-resilient seeds must be used

6. Conclusion

Essay

Food is the moral right of all who are born into this world (Mormon Belong). It is considered that food availability is the basic right of everyone in this world. Therefore, provision of food availability is not related to anyone's class or status. However, food insecurity has become a challenge for the century ahead for the future generations. Population explosion results in increased demand of food commodities, while the supply is very low, resulting in the threat of food insecurity. The health of vulnerable population i.e. Children and women is at stake due to rising malnutrition & amid unavailability of proper food provisions. It is ultimately a threat to the development of Human Capital. The issue of food insecurity has become a challenge for the century ahead due to conflicts and wars among world countries which

disrupt the demand and supply of food commodities and the increased incidence of weather-related events.

Therefore, food insecurity is a challenge of the century ahead, as it is a threat to human health, human capital development, and national security.

It has become a challenge due to extreme-climate related disasters and lack of innovative agricultural practices.

By building climate smart and innovative agricultural practices, the issue of food insecurity can be solved.

The issue of food insecurity is on the rise from two decades. However, it has become a challenge, now which has to be dealt, first and foremost.

According to food and agricultural organization (FAO), the food price index has showed that almost 222 Million people are suffering from food insecurity. These statistics have showed the

precarious situation in which a large number of population is suffering from the dearth of adequate food provisions. Therefore, the issue of food insecurity can result in number of challenges for the future generations. Moreover, the developing countries are more vulnerable to the issue of food insecurity. They lack the enough resources to tackle the issue of food shortage. It can impact the every sphere of an individual, society, country, and the overall world. Subsequently, it is considered a challenge for the century ahead, as it can bring along many problems for the humanity.

Food insecurity has become a defining challenge of the century ahead, as the world population is growing at exponential rates. Increased number of people require increased

food supplies, which disrupts the demand and supply pattern of food provisions. According to World Economic Forum, the world population has reached 8bn which is expected to reach 9bn in 2040. Therefore, this much increase in population ~~de~~ leave many people insecure, as food provisions are not enough to feed this population. According to the theory of Malthusian, population growth is exponential and food production is in linear manner, resulting in the dearth of enough food for the population. Subsequently, it is becoming a challenge that food insecurity ^{will} result in the century ahead due to rising population numbers.

Food insecurity is a challenge for the century ahead due to increased health risks.

There is increased chances of malnutrition especially in the

the vulnerable population i.e. children and women. This part of population requires increased food provisions due to their development and anatomical requirements. Due to non-fulfillment of the requirements, the risk of malnutrition has increased among children and women especially in developing countries. The acute malnutrition analysis has showed that 24% of children and women are suffering from malnutrition in third world countries. Therefore, the health of children and women is at stake amid food insecurity.

There are many reasons which has make food insecurity a challenge of the century ahead. One of which is the increased risk to the human capital development. Third world countries are already

struggling with various socio-economic situations. Amid rising food insecurity, they failed to spend enough part of their GDP on health and education. It results in the deterioration of human capital development. Human capital development percentage in developing country like Pakistan is just 0.41%, which means that a child born will be only 41% productive. Therefore, it showed that the development of human capital is at risk due to food insecurity.

Subsequently, the destruction of human capital which is ultimate source of progress is resulted due to food insecurity.

The issue of food insecurity is a challenge for the century ahead due to rising poverty and inflation.

Due to shortage of food supplies, demand and supply

cycle of food provisions is disrupted. Resultantly, the demand is more and supply is less and the prices of food commodities become sky-high. According to Pakistan Bureau of Statistics, the core inflation in Pakistan has increased to 20.4% and 12.5 Million more people are pushed to poverty. It has made the living of people more difficult and living standards has fallen drastically. Therefore, food insecurity is a challenge of the century ahead by pushing a large number of population to in poverty.

There are many reasons which has made the food insecurity a challenge of the century ahead. One of which is the increased risk of gender inequalities in the world. The decreased provisions of food and patriarchal society

is resulted in increased availability of food to the male members of society. It will further exacerbate the gender inequality in the already gendered-society. This resulted in increased mortality rates among women section of society. Resultantly, the sex ratio of the society showed that there is almost 107 men per 100 women in the society and there are 68 million more men than women in the world.

Therefore, due to lack of adequate food availability to the women, there is increased risk of fatal diseases among them.

It showed that food insecurity is a challenge of the century ahead by impacting the gender equality.

Food insecurity is considered a challenge of the century ahead, as it increased the

risk of famines in the world. Lack of adequate food provisions for the people result in the increased hunger levels. This much increased hunger levels result in the increased events of famines. According to United Nations, almost 46 Million people in 49 countries are at the risk of famines due to food insecurity. Therefore, the food insecurity is a risk which can push increased population to the famine. Famine result in the health deterioration, social destruction, and ultimately the economic damage of the world.

There are many reasons which has made the food insecurity a challenge of the century ahead. One of which is the threat to the national security of the country. The violent non-state actors get

the room to exploit the people. As, state is not able to supply ^{enough} services and food provisions to its people. Resultantly, the violent non-state actors get the space to conspire against state by exploiting its people.

Extreme poverty anywhere is a threat to national security everywhere (Kofi Annan). Therefore, the risk to the national security of the country is augmented amid food insecurity.

One of the other challenge posed by the food insecurity for the century ahead is the rise of child labor. The incidences of child labour have increased due to rising poverty amid food insecurity. Large population of children are pushed to labour force especially in developing countries due to unavailability of food provisions.

According to international labour organization, almost 250 Million children are involved in child labour in developing countries. Child labour is a threat for the century ahead, as it deteriorates the physical and mental health of children which who are the future assets of this globe. Therefore, the food insecurity is a challenge for the century ahead.

There are many factors which augment the issue of food insecurity. One of which is the increased incidence of wars and conflicts among the world countries. The inter-country conflicts disrupt the demand-supply cycle of food commodities resulting in decreased imports and exports of food supplies. It increases the prices of food provisions resulting in the food insecurity of

people. The recent surge is due to Russia-Ukraine war. There is decreased exports due to sanctions on warring countries.

According to WFP's African-Asian region, there is 55% increase in food basket due to war situations in Russia and Ukraine.

The decreased supplies of food commodities from the conflict-ridden countries result in increased risk of food shortage and ultimately food insecurity.

One of the other reason which has augmented the challenge of food insecurity is the rising threat of ~~food~~ ^{water} scarcity. Increased quantities of water supplies are required for the adequate crop productivity. Due to water shortage, the production rates of agricultural lands have decreased. If, then,

results in the food shortage. According to United Nations, the food demand would be increased by 50% in 2050 and water scarcity would rise to 38% which would affect 40% of the global cropland productivity.

Amid rising food demand, the productivity of foods would be decreased due to water scarcity.

It results in food insecurity and makes it a challenge of the century ahead.

These are factors contributing to the challenge of food insecurity and making it a challenge of the century ahead. One of which is the lack of innovation in agricultural practices in the developing countries. Due to lack of technological innovation, third world countries are not yielding enough food supplies as required. They

are still using the technology of 1960s and 1970s in agriculture. This is considered to be one of the factors in increasing the risk of food insecurity, as there are not enough food supplies according to the rising population.

There is rising risk of food insecurity due to extreme weather related disasters. These disasters result in the loss of agricultural lands and crops.

The risk of food insecurity is increasing due to increased incidence of climate related disasters. According to international food security assessment, some 40 million people in Pakistan would be pushed to food insecurity due to climate disasters and total of 18% of agricultural land would be lost.

Due to increased weather disasters, the annual crop

productivity has decreased. ~~and~~
The food insecurity has become
a challenge due to increased
weather-related disasters.

One of the other factors
contributed to the challenge of
food insecurity is the decrease
in import of food supplies.

After the economic slowdown
of in first decade of 21st
century, the prices of food
commodities has increased.

Therefore, it has become difficult
for the developing countries
to import the required food
commodities. A Majority of the
third world countries are
suffering from economic and
debt crisis which make it
difficult for them to import
food supplies to fulfill their
necessities. Therefore, the
economic crisis in developing
countries is considered to
be a factor in making food

insecurity a challenge of the century ahead.

There are many ways through which the issue of food insecurity can be solved. One of which is the building of climate smart infrastructure. It is very important to promote and incentivise the climate smart infrastructure which possess the capacity to bear the destruction caused by climate related disasters. Use of innovations like genomics can help in the infrastructure which would be least impacted by the climate disasters. Irrigation system should be resilient enough to be ~~use~~ that it remains unaffected during floods and other climate changes. It is very important to promote climate-resilient infrastructure for the optimum productivity.

of crops and the food security can be achieved.

One of the other solutions for the issue of food insecurity is the promotion of conducive and peaceful global environment among the world countries. It is very important to cease the wars and conflicts for the adequate supply of food commodities. The developed countries must play a constructive role to stop the Russia-Ukraine war. For to make sure the uninterrupted exports and imports of commodities. The world organizations like United Nations must bring all the stakeholders on a common platform and strict rules must be passed on the issue of wars and conflicts. In this way, the demand-supply cycle of food provisions can be retained and the issue of

food insecurity can be solved.

The inclusion of agricultural innovation can prove fruitful in tackling the issue of food insecurity. The technology ridden agricultural infrastructure can increase the productivity of crops and resulting in increased food supplies. Case study of Pakistan: Ayub's green innovation of 1960s result in increase in wheat production to 12.5 million tonnes from 3.25 million tonnes by inclusion of innovative technology in agriculture. Water-smart farming must be introduced to use the water efficiently.

The inclusion of precision-land levelling and raised bed planting can help in increased productivity of crops. Subsequently, the issue of food insecurity can be solved.

One of the other solutions to tackle the issue of food insecurity is the inclusion and utilization of bio-fortified and climate-resilient seeds in the agricultural practices. The biofortified seeds with zinc and iron can save the vulnerable population like women from the threat of malnutrition. Moreover, the use of climate resilient seeds can increase the productivity of crops, as they possess the power to bear climate changes.

In 2023, almost 13 million families are benefitted through zinc-enriched biofortified wheat seeds. In this way, maximum benefit can be optimized through use of bio-fortified and resilient seeds. Resultantly, the issue of food insecurity can be solved.

To sum up everything that

been stated so far, the issue of food insecurity needs to be tackled at the earliest. Otherwise, it is the challenge for our future generations. Amid increased food insecurity, a large number of population has been scummed to poverty. It is a high time to find the solutions to save the people from the threats and risk of food insecurity. The innovation in agricultural practices is imperative to secure the food availability for the people of this globe. The use of bio-fortified seeds has become essential to stop the further augmentation in impacts of food insecurity. ~~and~~ The challenge of food insecurity must be tackled to save the centuries ahead.