Conflicts and Food Security: The Effects of The Russia and Conflicts and The Probable Conflicts and Food Seed Prices and The Probable **Effects on Food Security** 

Dr. Manjiri Gondh<sub>aleka</sub>

Abstract
Conflicts have adverse effects on food security. It is the major driver of conflicts have adverse effects of conflicts, the causal effects of conflicts. Conflicts have adverse effects on room security. In different regions of conflicts, the causal effects of conflict insecurity. In different but there are some common effects on the all the insecurity. In different regions of conflict insecurity may be different but there are some common effects on the ability and access food. Conflicts may destroy resources, destroy food security may be different but there are to produce, trade, and access food. Conflicts may destroy resources, damage to produce, trade, and access food. The immediate effect of conflict is die. to produce, trade, and access 100u. Commediate effect of conflict is distructure, and ruin markets. The immediate effect of conflict is distruction infrastructure, and ruin markets this may result in to increase in the particular than the particular trade in the particu infrastructure, and ruin markets. The many result in to increase in the prices of assets like land and livestock, this may result in to increase in the prices of assets like land and livestock, this may result in to increase in the prices of assets like land and livestock, this may result in to increase in the prices of assets like land and livestock, this may result in to increase in the prices of assets like land and livestock, this may result in to increase in the prices of assets like land and livestock, this may result in to increase in the prices of assets like land and livestock, this may result in to increase in the prices of assets like land and livestock, this may result in the prices of assets like land and livestock in the prices of assets like land and livestock in the prices of assets like land and livestock in the prices of assets like land and livestock in the prices of assets like land and livestock in the prices of assets like land and livestock in the prices of assets like land and livestock in the prices of assets like land and livestock in the prices of assets like land and livestock in the prices of assets like land and livestock in the prices of assets land and livestock in the prices of of assets like land and livestock, this has food grain which further makes food unavailable to the conflict-affected region

and the globe.

The present study wants to find out the effects of the Russia and Ukraine War against Inc. The present study wants to find out against Ukraine war against Ukraine are the world's key brown February 2022. Both Russia and Ukraine are the world's key breadbasket From February 2022 until Monday 1st August 2022, Russia blocked Ukraine and the rest and ports. Since then, there was no trade between Ukraine and the rest of the World This might have created a food crisis due to food shortage.

The study uses secondary data to support the theory. It has been observed that Russia and Ukraine war has affected the availability of food and food prices After Russia's invasion, global prices of food grains and wheat increased. This might have caused food insecurity.

Key Words: War, Food Security, Food Prices, Russia, Ukraine

## Introduction

Conflicts in the form of war always adversely affect the supply and production of food grains. It is one of the important causes of food insecurity in the affected regions. History of conflicts informs that there is a close link between conflict and food insecurity. A Report by Food and Agricultural Organization and World Food Programme published in January 2019 indicates a persistent link between war and hunger among eight countries or regions engaged in conflicts.1

The countries under study were Afghanistan, Central African Republic, Democratic Republic of the Congo, Lake Chad Basin, Somalia, South Sudan, Syrian Arab Republic, and Yemen.

security<sup>2</sup> has become a global concern in the recent past. Along with security in the world. War affects food security in two ways. 1) It affects the prices of food grains making food grains making food grains that hunger is used to starve the enemies by attacking the food supplies.

There are instances in history that wars push people into acute food shortages, and deaths. (Olivia Giovetti 2021)

he relationship between war and hunger was recognized by United Nations relationship lin 2018. A resolution was passed to prohibit the use of hunger weapon of war. The World Food Programme- WFP, a humanitarian weapon that works to deliver food assistance in emergencies, has been orking actively to prevent the use of hunger as a weapon of war. For this wFP was awarded the Nobel Peace Prize in 2020. (See The ork, WFP was awarded the Nobel Peace Prize in 2020. (See The ork, and add Ukraine on 24th Feb 2022.

noversation, invaded Ukraine on 24<sup>th</sup> Feb.2022. Top exports of Ukraine include food issia invaded Ukraine on 24<sup>th</sup> Feb.2022. Top exports of Russia include wheat, mis like oil seeds, wheat, and Corn. Top exports of Russia include wheat, rilizers, cereals, and wood. This suggests that Russia and Ukraine are key incultural producers and exporters of agricultural products. The war between two countries might have disrupted the international trade of agricultural oducts and food grain prices.

oduction and prices of food grains. The objective is to estimate the changes in ad grain prices. It also aims to understand whether Russia and Ukraine war saffected food security. The paper is organized as section second reviews the mion of experts regarding the effect of war on food supply and food prices. ction three examines the dependency of the countries in the world in terms of a grain on Russia and Ukraine. Section Four focuses on the food prices in lected regions and forecasts food insecurity. Section five presents the countries and suggestions.

Relationship Between War and Food Security- A review

be Global report on food crisis 2022 emphasizes the increasing food ecurity in the world. The report explains that 193 million people in 53

ood security is when the entire population has access to enough, safe, and nutritious food. ited Nations' Committee on World Food Security defines food security as "all people, at all es, have physical, social, and economic access to sufficient, safe, and nutritious food that ets their food preferences and dietary needs for an active and healthy life".

countries or territories experienced acute food insecurity during the countries or territories experienced acute food insecurity during the crisis higher by 40 million people over the last year. It has been described in the world countries or territories experienced acute rocal formula the crisis number is higher by 40 million people over the last year. It has been described has been the main driver of food insecurity in the world. The the transfer has been the main driver of Ukraine has exposed the countries has been the main driver of Ukraine has exposed the countries acute rocal formula to the crisis. number is higher by 40 million people over the number is higher by 40 million people over the number is higher by 40 million people over the world described that Conflict has been the main driver of food insecurity in the world. The that Conflict has been the main driver of Ukraine has exposed the global report on people over the number is higher by 40 million people over the number is higher by 40 further mentions that Russia's invasion of Charles of the global further mentions that Russia's invasion of Charles of Food Charles of Food Charles of Food Charles of Cool of Charles of Charles of Cool of Charles of Charles of Cool of Charles of Charles

2022)
Tilman Brook and Macro D'Errico (2019) identified that diversity related and conflict makes the identification of causal relations. Tilman Brook and Macro D'Errico (2017)

Tilman food security and conflict makes the impacts of conflicts are different for different people complicated. Also, the impacts of conflicts have an impact on food security and out that war or conflicts have an impact on food security and out that war or conflicts have an impact on food security and conflicts have an impact of food security and conflicts have a conflict h complicated. Also, the impacts of conflicts have an impact on food security has been pointed out that war or conflicts have an impact on food security b) conflict-induced displacement; c) food cone has been pointed out that war of comments been pointed out that war of conflict-induced displacement; c) food security through a) destruction; b) conflict-induced displacement; c) food control through a) destruction; b) conflict-induced displacement; c) food control through a) destruction; b) conflict-induced displacement; c) food control through a) destruction; b) conflict-induced displacement; c) food control through a) destruction; b) conflict-induced displacement; c) food control through a) destruction; b) conflict-induced displacement; c) food control through a) destruction; b) conflict-induced displacement; c) food control through a) destruction; b) conflict-induced displacement; c) food control through a) destruction; b) conflict-induced displacement; c) food control through a) destruction; b) conflict-induced displacement; c) food control through a control through a) destruction; b) conflict-induced hunger as a weapon of war. Birgit Kemmerling Conrad Schetter Lars With the study by Slobodanka B. Teodosijevic (2002) hunger as a weapon of war. Bight School B. Teodosijevic (2013) hunger as a weapon of war. Bight School B. Teodosijevic (2003) hunger as a weapon of war. Big destruction of rural infrastructure, the loss of livestock, deforestation, destruction movements lead to lead widespread use of landmines as well as population movements lead to long-ten food security problems, due to conflicts. Food crises also may lead to conflict and food security is The relationship between war or conflict and food security is a two-way The relationship between war of relationship between two between t conflict and food insecurity. A study by Stijn Van Weezel (2022) for the day for 1961 to 2011 identified a negative correlation between conflicts and for security by using country-level data for 106 countries.

Liadze I. et.al. (2022) Used Global Econometric Model, NiGEM, and estimate that the conflict in Ukraine could reduce the level of global GDP by 1 % an could increase global inflation by 3% in 2022 and by about 2 % points in 2023 Ben Hassen, T., & El Bilali, H. (2022) estimate an acute food crisis due Russia and Ukraine war. It affected the short-and long-term ability of Ukrainen export agricultural products. The war prevented farmers from working the fields, population displacement caused labour shortages and limited access a crucial agricultural inputs like fertilizers.

Jagtapand others (2022) Highlighted factors affecting the supply chain for for grains like (a) Food production, processing, and storage, (b) Food transport logistics, (c) Food market, (d) Consumers, (e) Food dependent services, and continuous c (f) Food quality. They further identified that although this conflict will affect the plobal scopping the second statement of the second secon global economy, the most affected economies will be from Europe and Africa. The studies informed that the relationship between conflict and food security well established. It also well established. It also suggests the possibility of a Russia and Ukraine wall food prices and food security.

I S

Russia and Ukraine have a prominent name Russia and Ukraine have a prominent position in world trade. The role of Russia in global agriculture can be evident from the international Since 2012 contribution of Russia Russia and Global agriculture can be evident from the international trade of since 2012 contribution of Russia and Ukraine is grand trade of since 2012 contribution of Russia and Ukraine is grand trade of the forecast by WTO in 2022 due to partions in ground and can be evident from the international trade since 2012 contribution of Russia and Ukraine is growing. But forecast by WTO in 2022 due to war, the growth of most in the specific fall from 4.7% to 3%. Halted grain in the growth of most in the Russia and Ukraine is growing. But forecast by WTO in 2022 due to war, the growth of merchandise fall from 4.7% to 3%. Halted grain shipments through a greate food security problem. for the growing and the security problems in poor countries (William April 2022) War affected may fall flow food security problems in poor countries. (WTO Press could April 2022) War affected exports of both countries. WTO Press could April 2022) War affected exports of both countries. Figure 1 Reports of Both countries. Figure that there is a drop in exports from both countries after January 2022.

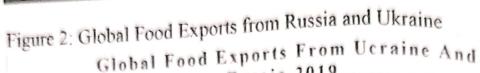
Reports of Russia and Ukraine (January 2020 to January 2022. Russian Evacut

\$0,000 60,000 40,000 20,000 Exports Imports Ukrainian Exports and Imports 20,000 10,000 surface 2020 September 2020 Eenweenber 2020 September 2021 Wovelder 2021 January 2022 in anuary 2021 And Charles and Andreas

ource: Calculations based on WTO data <a href="https://stats.wto.org/inventory/en">https://stats.wto.org/inventory/en</a> ussia and Ukraine are the major suppliers of food and energy. The major food ems produced and exported by them are wheat, corn, barley, and sunflower oil. 12019, Russia and Ukraine together contributed 23% of the world's exports of heat. The contribution of food grains from Russia and Ukraine for major food ms is indicated in figure 2. Both countries contributed 64% of total exports of inflower oil in 2019.

**■** Exports

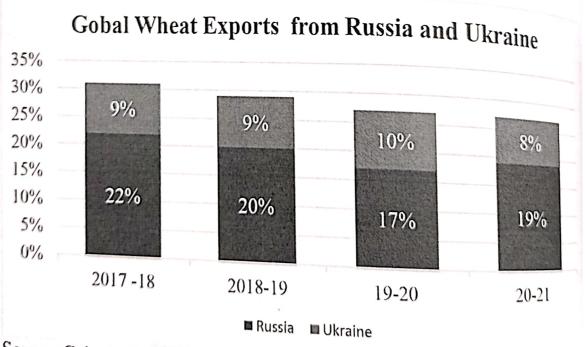
Imports





Source: calculations based on our world data <a href="https://ourworldindata.org/blog">https://ourworldindata.org/blog</a>
In 2021 the top seven exporter countries of wheat accounted for 89% of world exports. Russia was the second largest exporter of wheat and Ukraine to global wheat contributed to 27% of the total wheat exports of the world in the part of the world.

Figure 3: Global Exports of wheat from Russia and Ukraine



Source: Calculations based on USDA Reports
Many countries in the world depend on Russia and Ukraine for food grain Countries like Eritrea, Armenia, Mongolia, Azerbaijan, Georgia, Belarus, I

depend upon Russia and Ukraine for more than 80% of imports of likely (FAO, June 2022) Junkey Japon Ri apon Ri (FAO, June 2022)

Ukrainian Exports of food grains to countries in the world by

)	1.	0,10
100	4.	2020
anlle	AP.	2020
Wt	gyc	

Total: \$52.7B

right tage	Italy	Netherlands	Hungary Belarus	China	India	Indonesia Saudi Arabia	Egypt
poland					3.88%	1.73% 1.64%	4.53%
6.19%	3.72%	3,44%	2.87% 2.54% Bulgaria Relgium Savete		Iraq South Kores	Carrello Carrello	Tunisla Libya 0.79% 0.62%
NUSSIA	Spain 2.43%	1.3%	1.09% 1.07% 0.8%		Pakistan 0.73% 1.09%	0.72% 0.67% 0.66%	Moracco 0.72%
	Romania	1.27%	Uthuania	13.8%	Israel 0.65%	0.59% 0.49% sers	Algena 0.67%
5.6490	2.02%	France 1.15%	0.82% 8.4% 23% 3.5% 1.5% 1.5% 1.5% 1.5% 1.5% 1.5% 1.5% 1	Turkey	10-00-0 Arab Emiratos. 0.94% Japan 1.05-1-00-0	945 5276	United States
Germany	Czechia 1.72%	Austria 1.14%	0.45% USA	4.75%	Lebanon 0.83% Care		2.11%
4.02%			<b>A</b>	TO DA			

Source: OEC Trade data Source. OP Source. OP Source Strain Export Partners of food Grains by value 2020

Tota	:	\$3	3	0	В
·	•	~~	_	•	_

United	Germany	Italy	Poland Finland	China	Turkey	South Korea	Japan United States
(ingdom				特的社会			3.59%
7.67%	4.3%	Annual Control	2.62% 2.06%		3.96%	3.79%	2.82%
Vetherlands	Ukraine <sup>s</sup>	lovakia Crechia	Internal Spain Estonia		India		Egypt
	1 0106	etzerland 0.8%	0.73% 0.71% 0.69%	2019日本海岸	1000 100 to 1	,78% 0.61% 0.50%	
6.81%		0.87% Bulgari 0.659	0.61% ass ass	14.9%	Uzbekistan <sub>Ar</sub>	0.45% 0.49 mento 0.49	150 kg/cz km
elarus	711-170	0.85% Hungary 0.65%		Kazakhstan	1.3%	6.65% brand 5.7% c.1% c.1% c.1% c.1% c.1% c.1% c.1% c.1	
4.77%		reece Romani. 0.81% 0.64%		4.19%		100 Van 0	0.67%
			<b>∌</b> ₩ €	0000			

purce: OEC Trade data

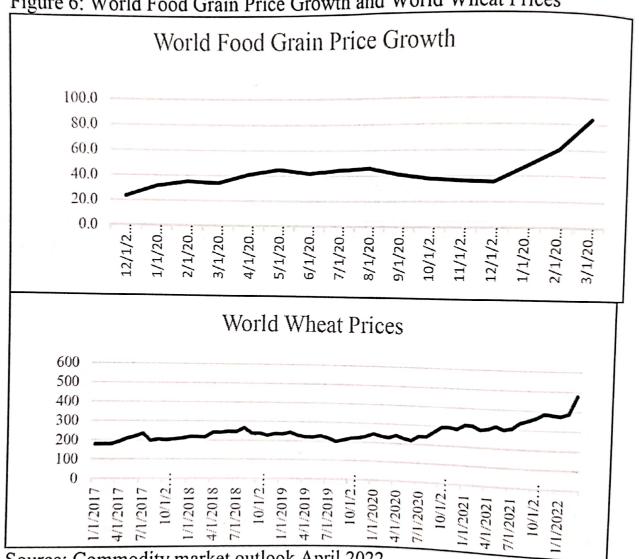
s denoted in Figures 4 and 5, European countries, the United Kingdom, land, Netherlands, Belarus, Italy, Asian countries like China, Turkey, azakhstan, South Korea, India, African countries like Egypt, Morocco, misia, Nigeria, and United States depend on Ukraine and Russia for imports food grains.

After the war, Russia prohibited exports of wheat from Ukraine. Many grain After the war, Russia prohibited exports of storage and processing facilities were destroyed. This affected the food grain storage and processing facilities were destroyed. Ukraine is inaccessible grain storage and processing facilities were described and in Ukraine is inaccessible to the exports of Ukraine. The majority of farmland in Ukraine is inaccessible to the exports of ukraine as the part season of agriculture creating a shorts. farmers, which has affected the next season of agriculture creating a shortage of farmers, which has attected the next scale food grain in the long term. The most vulnerable countries with wheat shortage of the long term. The most vulnerable countries with wheat shortage of the long term. The most vulnerable countries with wheat shortage of the long term. food grain in the long term. The most value of the long term. The most value are Somalia, Benn, Laos, Egypt, Sudan, DR Congo, Senegal, and Tanzania (World Economic Forum, April 12, 2022)

## 4 Food Grain Prices and Food Insecurity Forecasts

This section studies changes in food grain prices due to the Russia Ukraine war In fact, before the war prices of food grains had inflated. Figure 6 suggests that from January 2020 to January 2021 food grain prices were growing steadily. But after that, there was a sharp increase in food grain prices.

Figure 6: World Food Grain Price Growth and World Wheat Prices



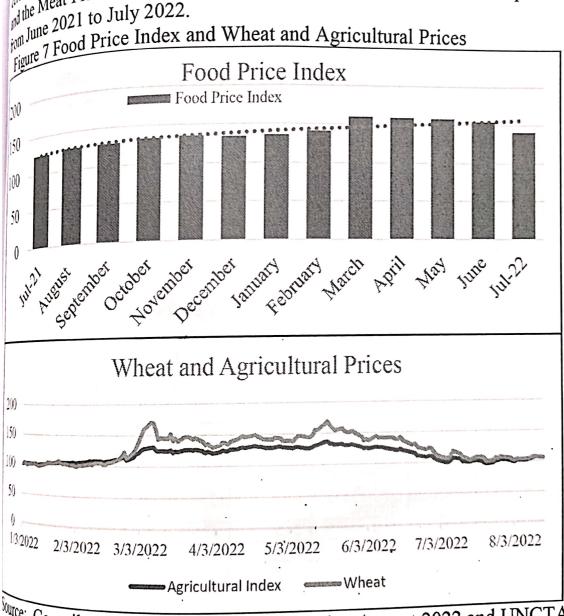
Source: Commodity market outlook April 2022

Harvest Holding is largest agricultural firms in Ukraine. More than 30000 acres of land has been occupied by Russian forces. (See Phil McCausland, May 20022)

that there is a sharp increase in prices of Wheat after January before the war. before the war.

before the could export just 1.5 million to 2 million tonnes in a month after the commencement of the war. Russia in a woke a global food crisis by blooming the war. Russia invaled of the commencement of the war. Russia has been a provoke a global food crisis by blocking Ukrainian experiencement of the war. in a mount of the war. Russia has been provoke a global food crisis by blocking Ukrainian exports. Also, for agricultural infrastructure. The European Council President The European Council President and US of State agreed that Russia is weaponizing food (Alabaration of State agreed) European Council President and US of State agreed that Russia is weaponizing food. (Aleksandar Brezar,

price Index of FAO for March 2022 mentions that from February mentions that from February food price Index made a giant leap to a new height up by 12.6%. The price Index was up over 17%. Vegetable Oil Price Index Price Index was up over 17%. Vegetable Oil Price Index was up by 23% Meat Price Index was up by 5% since February World Co. Price Index was up by 5% since February. World food price index and the Meat Price Index was up by 23% price Index was up by 5% since February. World food price index and the February 2021 to July 2022. June 2021 to July 2022.



Sompiled from World Food Price Index August 2022 and UNCTAD

E

in

C

tŀ

iı ĺ

Figure 7 denotes that there is a strong increase in the price index from February high even higher than it in the Figure 7 denotes that there is a strong mercase of wheat were very high even higher than the Agrical of which were very high even higher than the Agrical of which were very high even higher than the Agrical of which were very high even higher than the Agrical of which were very high even higher than the Agrical of which were very high even higher than the Agrical of which were very high even higher than the Agrical of which were very high even higher than the Agrical of which were very high even higher than the Agrical of which were very high even higher than the Agrical of which were very high even higher than the Agrical of which were very high even higher than the Agrical of which were very high even higher than the Agrical of which were very high even higher than the Agrical of which were very high even higher than the Agrical of which were very high even high even higher than the Agrical of which were very high eve March 2022, prices of wheat were very high even higher than the Agriculture of the spinoresses in a

Price Index.

Food becomes unaffordable to poor people with an increase in food prices in food insecurity. The world experienced food insecurity. Food becomes unaffordable to poor people pushes people into food insecurity. The world experienced food insecurity pushes people into food insecurity. Table 1 presents the forecasts above to Covid19. pushes people into food insecurity. The war due to Covid19. Table1 presents the forecasts about the security about the security

Table1: Forecast about food insecurity in 2020 (in millions of people)

Contract to recent the state of	People Suffered in November
Country	People Suffered in Million 25.9
Democratic Republic of Congo	
Afghanistan	22.8
Nigeria	19.5
Yemen	19
Ethiopia	14.5
South Sudan	7.7
Pakistan	4.7
Haiti	4.5
Niger	4.4
Kenya	3.5
Source: 2022 Global Report on Food Crisis	

Crisis or war has been one of the driving factors of food insecurity. The Glob Report on Food Crisis, 2021 mentions that for 139 million people in 1 countries, conflict or insecurity is the main driver of food insecurity. Russia Ukraine's war elevated the possibility of a food crisis and insecurity. Table denotes estimates of food insecurity across a group of countries.

Table 2 Food Insecurity among people (millions) Across Regions and Russ Ukraine War Effect

Year	Asia Pacific	Middle East North Africa and Eastern	Western Africa	Southern Africa	Eastern Africa	Latin America the Carbb
F-12020	27.6	Europe		27.6	30.2	4.3
February 2020	27.6	34.4	24.5	27.6		18.4
November 2020	54	42.3	57.4	50.1	49.7	27.9
November 2021	62.1	43	44.8	53.8	51.4	24.3
June 2022	62.2	55.9	46.5	49.5	59.1	3.6
Ukraine War Effects	7.3	6.3	9.7	9.6	10.5	27.9
Total Effect June 22	69.5	62.5	56.2	59.1	69.6	
Source: WFP Global I	and Crisis	2022				

African countries are the most affected, with 10.5 million likely food african people, followed by Southern African countries western 10.5 African countries affected, with 10.5 million likely food people, followed by Southern African countries, western Africa, and pacific region. The data presented in table 2 suggests that it is a countrie pacific region. Property people, and The data presented in table 2 suggests that the regions pacific region insecurity had food dependency and insecurity had food dependency and insecurity had a suggest that the regions of the sight food insecurity had food dependency and insecurity had a suggest that the regions of the sight food insecurity had a suggest that the regions of the sight food insecurity had food dependency and insecurity had a suggest that the regions of the sight food insecurity had food dependency and insecurity had a suggest that the regions of the sight food insecurity had food dependency and insecurity had a suggest that the regions of the sight food insecurity had food dependency and insecurity had a suggest that the regions of the sight food insecurity had so the sight food in pacinic region pacinic region presented in table 2 suggests that the region pacinic pa

piscussion and Suggestions pisculssion has been the prominent cause of food insecurity. This analysis of war has highlight the relationship between war and highlight the relationshi of war has on food insecurity. This analysis of identify and highlight the relationship between war and food insecurity and reference to Russia and Ukraine war To identify. pelween war and food insecurity to identify the relationship, in special reference to Russia and Ukraine war. To identify the relationship, in special reports were analyzed. h special data and reports were analyzed.

the dependency of the countries on Russia and Ukraine was studied. It is gly, the both the countries are suppliers of food grains to several countries gened that both the dependency of a study the study the dependency of a study the world were countries, exports of Russia and the world were considered. It has been identified that African, middle east and European countries are dependent either on Ssia or Ukraine for foodgrain.

been observed that both the countries taken together, provide 64% of 1/10/wer oil. They are major suppliers of wheat. In 2019, 23% of the world's export came from Russia and Ukraine. But the exports declined after the Which created a food grain shortage. Shortage of food grains caused food

d inflation is one of the causes of food insecurity. High prices of food grains ke food grains unaffordable to people. This study analyzed the prices of food ins and prices of wheat at the global level. It has been observed that food in prices were high even before the war. But the war between Russia and raine elevated the prices. This might have caused food insecurity.

ally, estimates about food insecurity were studied. It has been found that the ons that are more dependent on Russia for food grain and the countries with

flicts were estimated to be more food insecure regions or countries.

sia has been blamed for destroying agricultural infrastructure in Ukraine. It been pointed out that Russia blocked the ports in Ukraine which reduced the

• The supply chains must be continued to resume exports, both countries are suffering from inflation. Opening trade will not only useful for both nations, but it will help to reduce the problem of food insecurity.

It is necessary to safeguard productive resources in agriculture. Destruction of resources should not be used as a war strategy.

The food security problem is more seven the food security problem is more seven the food security problem is more seven that the should find out alternatives and Ukraine for food grain. They should find out alternatives to reproduct a should be s imports from countries engaged in war. Russia and Oktain Russia and O

The use of food grains to produce should be taken by the affected Steps to control food grain prices should be taken by the affected

countries.

Social protection measures should be taken to help the people that and acute food insecurity.

pushed into poverty and acute food insecurity.

REFERENCES
Aleksandar Brezar, 2022, "Global food crisis looms as Ukraine struggles to Aleksandar Brezar, 2022, "Global food crisis looms as Ukraine struggles to Aleksandar Brezar invasion" Euro news, June 19, 2022 Aleksandar Brezar, 2022, Olovar 1000 Euro news, June 19, 2022 export its grain after Russian invasion" Euro news, June 19, 2022 export its grain after Russian invasion pure export its grain after Russian invasion https://www.euronews.com/2022/06/19/global-food-crisis-looms-as-ukraine.

struggles-to-export-its-grain-after-russian-invasion struggles-to-export-its-grain-aπei-1ussian More Sustainable and Resilient Food α Ben Hassen, T., & El Bilali, H. (2022). Harding War on Global Food Security: Towards More Sustainable and Resilient Food Systems

https://www.mdpi.com/2304-8158/11/15/2301/pdf?version=1659431640

https://www.mdpi.com/2304-6136/11/22-131040

Birgit Kemmerling Conrad Schetter and Lars Wirkus, 2022, "The logics of water and Lars Wirkus, 2022, "The log and food (in)security" Global Food Security 33 (2022) 100634

https://reader.eisevier.com/fedata/BDE85CB6E81D3C8FA0362212E69077A3C4BDA

51C005EA4750AD36A20B6DB9AC1490F89&originRegion=eu-west-

1&originCreation=20220809083341

Brück, Tilman d'Errico, Marco, 2019, "Food security and violent conflict: Introduction to the special issue" / World Development 117 (2019) 167-171

https://www.sciencedirect.com/science/article/pii/S0305750X19300130?via% Dihub

https://doi.org/10.1016/j.worlddev.2019.01.007

Food Security Information Network (FSIN). 2021. 2021Global report on food crises. Rome, Italy: Food and Agriculture Organization (FAO); World Food Programme (WFP).

https://www.wfp.org/publications/global-report-food-crises-2022 https://docs.wfp.org/api/documents/WFP-

0000138913/download/?\_ga=2.48255397.2016378971.1660023464-424618606.1659867464

FAO, Information Note, 10th June 2022, "The Importance of Ukraine and the Russian Federation for Global Agricultural Markets and The Risks Associated With The War in Ukraine"

- kajdhbmnnnibpcajpcglclefindmkaj/https://www.fao.org/3/cb9013en/cb90 of Price Index, August 5, 2022
- )D

- of food Price Index, March 2022 of Price Index, March 2022
- Food Price Maria Food Price Maria Food Price Index-posts-significantn-march/en
- WFP,2019, "Monitoring food security in countries with conflict Intions" Issue 5
- deducation.nationalgeographic.org/resource/hunger-and-war Report On Food Crisis, 2022
- Report of Report WFP-0000138913/download/? ga=2.54901803.1612553784.1661045824-14618606.1659867464
- S., Trollman, H., Trollman, F., Garcia-Garcia, G., Parra-López, C., M. (2022). The Russia-Ukraine Conflict: Its plications for the Global Food Supply Chains. Foods, 11(14), 2098. tharina Buchholz, World Economic Forum and Stiasta, 2022, "This is how theat shortages are creating a food security risk" April 10, 2022
- ms://www.weforum.org/agenda/2022/04/most-vulnerable-countries-wheat-
- Ladze I., Macchiarelli C., Mortimer-Lee, P., & Juanino, P. S. (2022). The momic costs of the Russia-Ukraine conflict. NIESR Policy Paper, 32.
- ECThe observatory of Economic Complexity https://oec.world/
- ms://oec.world/en/visualize/tree\_map/hs92/export/ukr/all/show/2020/ ms://oec.world/en/visualize/tree\_map/hs92/export/rus/all/show/2020/
- Mia Giovetti, 2021" Timeline: 54 Years of Hunger As a Weapon of War" Concern Worldwide US, dated December 7, 2021
- www.concernusa.org/story/hunger-as-weapon-of-war-timeline/
- McCausland, 2022, "Europe's lost 'breadbasket': How Russia's war in traine is stoking a global food crisis" CNBC News, May 28, 2022
- www.nbcnews.com/news/world/russia-ukraine-war-grain-blockade-
- Jaspars, 2020, "Nobel peace prize: hunger is a weapon of war, but the Model peace prize: nunger is a weapon of the Conversation, Oct
- theconversation.com/nobel-peace-prize-hunger-is-a-weapon-of-war-butworld-food-programme-cant-build-peace-on-its-own-147872

Slobodanka B. Teodosijevic 2003, "Armed conflicts and food security", Especial Paper 03-11 https://www.fao.org/agrifood-Working Paper 03-11 https://www.fao.org/agrifood-

Working Paper 03-11 (1997)

economics/publications/detail/en/c/12140-7/
economics/publications/detail/en/c/12140-7/
economics/publications/detail/en/c/12140-7/
economics/publications/detail/en/c/12140-7/
economics/publications/detail/en/c/12140-7/
economics/publications/detail/en/c/12140-7/
economics/publications/detail/en/c/12140-7/
economics/publications/detail/en/c/12140-7/
economics/publications/detail/en/c/12140-7/
Stijn van Weezel, 2022, "Food Security and Armed Conflict A Cross-country and Working Papers, "FAO Agricultural Development Economics Working Papers, "Inchitation of the Conflict A Cross-country and Armed Conflict A Cross-country and Agricultural Development Economics Working Papers, "Inchitation of the Conflict A Cross-country and Armed Conflict A Cross-country and Armed Conflict A Cross-country and economics/publications/signatures/2022, "Food Security and The Stijn van Weezel, 2022, "Food Security and The Stijn van 2018, No.2018/03, 28 pages"

https://www.un-ilibrary.org/content/papers/25211838/3/read

UNCTAD https://unctad.org/ukraine-in-focus

UNCTAD https://unctad.org/uktanie United Nations Security Council, 2018, "Resolution 2417: Protection of civilians in armed conflict" S/RES/2417 (2018)

http://unscr.com/en/resolutions/uoc/21...
USDA WORLD Agricultural Supply and Demand Estimates, sept, 12, 2022 USDA WORLD Agricultural Supply and Library.cornell.edu/concern/publications/3t945q76s?localeen&

wTO, 2022, "Russia-Ukraine conflict puts fragile global trade recovery at the conflict puts fragile 2022 Press Release PRESS/902 PRESS RELEASE, April 12, 2022

WFP 2022, Global Food Crisis 2022, Update On The Global Food Crisis fuel by Conflict, Climate Shocks, Covid and Spiralling Costs of Food, Fuel and Fertilizer

https://www.docs.wfp.org/api/documents/WFP-

0000140702/download/? ga=2.30207231.1700472317.1661049936-<u>559158130.1661049936</u>