

Paper Type: Original Article

Explanation of the Terrorist Groups' Existence Based on the Concepts of Neutrosophic Theory: ISIS as a Case Study

Masra A. Khuder^{1,*} 

¹ Independent Researcher; Email Address: masrayakhader@gmail.com.

Received: 08 Sep 2025

Revised: 19 Oct 2025

Accepted: 20 Dec 2025

Published: 24 Dec 2025

Abstract

This article has presented a link between many recent events that have affected regions in the Arab world, including Iraq, Syria, Libya, Egypt, etc., with a new philosophical and mathematical concept called 'Neutrosophic Logic', through which data and information relating to any problem can be analyzed from a new perspective that allows for the simultaneous existence of the concepts of truth, indeterminacy and falsehood within a single problem.

Keywords: Neutrosophic Theory; Neutrosophic Logic; Islamic Sects; Terrorist Groups; Confusion of Concepts.

1 | Introduction

The title of the paper should be written in Garamond bold 19-point font, This article comes at a time when the Islamic world is experiencing confusion regarding concepts and a significant blurring of the lines between the correct concepts held by Islamic society and the principles and concepts adopted by European and global societies and the organizations stemming from them, which have opened up to Islamic society in an unprecedented manner due to massive technological development and the emergence of social media, which has begun to exert a significant influence on the ideas and perspectives held by individuals. The authors of this article have endeavoured to write in a fluid and accessible style that will enable the message contained within its pages to reach the hearts of the general public before anyone else. There were many reasons for the publication of this article, the most important of which was an attempt to probe the depths of the rapid events that the countries of the Arab world have experienced and continue to experience over periods of time that are barely worth mentioning in the lifespan of nations and peoples. It is well known that the evolution of nations and the changes they undergo are somewhat slow, owing to the slow collapse of their deeply held concepts. This was before the advent of social media and the resulting massive opening up of people's cultures to one another. However, given the intermingling and blending of concepts and cultures witnessed by all societies across the globe, the authors of this article have decided to use it as an attempt to highlight what requires attention in Arab society, and Islamic societies in general. In doing so, we are expressing our personal convictions and our own perspective; we do not ask our esteemed readers to close their minds and accept the content of this article without careful research, investigation, and comparison of evidence, which will require time and effort from individuals. This should not be rushed, as we often see young people when they adopt



Corresponding Author: masrayakhader@gmail.com



<https://doi.org/10.61356/j.nois.2025.8655>



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ideas that may be ambiguous due to a lack of understanding and their tendencies, which may result from certain societal influences, inappropriate friends, and unhealthy socializing.

The title of the article may provoke some controversy, but we found it the most appropriate for the content to be presented, which aligns with the following statements:

1. Some young people believe that ISIS represents Islam and is the inevitable outcome of its ideology; consequently, they have embraced it, dedicating their lives to it and viewing death on the battlefield as a sacrifice for its cause.
2. Some young people used to believe that ISIS represents Islam and is the inevitable outcome of its ideas and principles; however, when ISIS began to implement its concepts on the ground in the city of Mosul, Iraq, or in the Sinai Desert, Egypt, they realised the error of their ways. and then they were swept away by the winds of extremism, or by imprisonment and persecution, into other valleys and new ideologies.
3. Global anti-Islamic forces sought to send a powerful message through the image presented by ISIS, particularly after the consequences of the organisation's actions became apparent on the ground; they sought to instil the idea that one must be wary of the Islamic faith, portraying it as a bloodthirsty and terrorist religion.
4. The reader may substitute the word 'ISIS' in the article's title with the name of any group or religious organisation claiming to be Islamic, and the content and title of this article will remain equally valid.

Thus, we can rephrase the title of this article in many ways, each of which could stand alone as a title for prominent articles, books and research papers. We have sought to encapsulate everything that might come to the reader's mind in this concise phrase, and we hope to have succeeded in our arguments.

2 | The fundamental concepts of neutrosophic theory

It is well known to those interested in neutrosophic theory that any issue or problem can be analysed from three perspectives, that is the data relating to this problem may be analysed on the basis that part of it is entirely correct, which places it within the domain of the truth membership function; whereas the second part is indeterminate (incomplete, ambiguous, ambiguity), so there is confusion as to whether this type of data is entirely correct or entirely incorrect; thus, this data is indeterminate due to the possibility that it contains both truth and falsehood simultaneously, meaning it falls within the domain of the indeterminacy membership function, whilst the final part comprises data that is characterised by absolute falsity [1, 2]. Below, we present the example mentioned in reference [3], which we hope will clarify these concepts for readers.

Let C_1 be a population in a certain country. Most citizens of this country hold citizenship (nationality of this country), so we find that their membership of C_1 is 100%. However, there are people with dual citizenship for C_1 and C_2 ; these residents belong to C_1 at a rate of 50% and to C_2 at a rate of 50%. Meanwhile, citizens with triple citizenship for three countries, such as C_1 , C_2 , and C_3 , have a membership rate of 33.33% for each country. Of course, if we were to use a different measure, these percentages might change. There are also countries with autonomous regions where citizens from those regions may not consider themselves to belong entirely to those regions.

There is another group of people who have been stripped of their citizenship in the country C_1 for political reasons but hold citizenship of another country, whilst still living in C_1 on a temporary basis. This type of person is called a 'Pariah', meaning an outcast, as they do not belong to C_1 (they have no citizenship) but still belong to C_1 (because they still live in C_1). These people constitute the 'non-designated' segment of the neutrosophic society of the country C_1 .

3 | Globalization and its Impact on Shaping the Younger Generation

The rationale behind our conducting this research is that we all belong to the Islamic faith, which places responsibilities on our shoulders, some individual and others collective. If we engage with these individual and collective responsibilities, there will be a surge towards the advancement of Arab and Islamic societies, social progress, and a move away from obstacles. No scientific, civilizational or cultural development can take place without social stability and harmony amongst the diverse and varied groups and components of a single society. We must accept one another, yet the intensity of what major powers propagate in this direction, coupled with a weakness in national and religious identity among a section of the population and a widening gap between leaders and the people, has led many of our young people to be seduced by secular and democratic systems and false freedoms, on the assumption that technological development and material prosperity were the products of these systems.

The following are the views of a group of Western thinkers and scholars [4-6] who have studied the subject of globalization for decades, including

(N. Hertz, J. Stiglitz, M. Chossudovsky, Perkins, S. Huntington)

The concept of ‘globalization’ (or ‘new global colonialism’) has been defined as the desire of a small circle of powerful elites to transform Third World countries into territories dominated politically, ideologically, militarily, economically, financially, spiritually and culturally, whilst some believe that globalization is inevitable in order to achieve global prosperity; in the following text, we shall cite the social phenomena and facts that support this concept.

It is agreed amongst academics, particularly S. Huntington, that in the rapid drive towards globalization, many societies tend to become unstable; hence, we observe disintegration almost everywhere in the world. He supports his hypothesis with a wealth of statistical data, and we must not forget to link the events unfolding in Iraq as a clear example of this. At this stage, we can identify two hypotheses:

The First Hypothesis

S. Huntington’s hypothesis of a “natural tendency” towards instability, which, according to neotheosophical theory, can be explained by the presence of correct ideas intermingled with false ones, leading to the alienation and differentiation of societies as they become ethnic and sectarian groups at war with one another.

The Second Hypothesis

This is the “alternative hypothesis”, as these small countries are merely puppets played with by the masters of global totalitarianism. In this hypothesis, some representatives seek to derive the maximum benefit from their positions as national leaders, and this is what we have observed for decades in Iraq. The truth is that these puppets know nothing other than serving their masters, who installed them in these positions, and this is what we have clearly seen with the rise of a clique of members of parliament and leaders in Iraq; one can refer to the statements of many of them after their removal from office. Furthermore, this alternative hypothesis remains unknown to the majority of academics, who cling to the same belief as the first hypothesis, whilst Professor M. Chossudovsky has supported the alternative hypothesis through meticulous research containing confessions that corroborate it.

4 | Observing and Analysing Certain Social Phenomena in Accordance with Neutrosophic Theory

To control countries that the West considers underdeveloped, the elites from powerful circles do the following:

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They install heads of government who are mere puppets, or quasi-puppets in these underdeveloped countries, so that they can be easily led by their masters; consequently, they win numerous elections over many years, and tyrants who are hated by the local population are supported—see, for example, Pakistan, several Latin American and Arab countries, and others. It should be noted that these tyrants have a clear strategy of action, offering some short-term, temporary benefits to the local population, particularly as election cycles approach, whilst deliberately and intentionally neglecting infrastructure and future projects in the areas of urban development, energy, and investment in talented minds and the youth.

The rigging and manipulation of local elections in underdeveloped countries and the installation of puppets in positions of power. The covert services provided by these forces begin with pre-election propaganda, as evidenced by statistics and opinion polls; This propaganda psychologically prepares the local population to accept these (puppets). When election rigging fails, there is a deluge of slander and defamatory propaganda by secret services (backed by the embassies, consulates, and missions of these countries) against the elected government.

The destruction of industry in these underdeveloped countries makes their populations poorer and unemployed, leading them to view emigration to the West as a source of cheap labor. The elite states have realized an important issue: the need for citizens of underdeveloped countries to secure well-paid jobs in their own countries in exchange for work that is either futile or of no real benefit within state departments and institutions- a phenomenon we might aptly describe as 'production of nothing'. This is essential for developed nations to avoid receiving the massive influx of migrants from underdeveloped countries into the developed world, which places a burden on them. Here we can see that citizens in these countries are being deceived into staying in their own country in exchange for a job that is of no benefit to their homeland's future; the citizen believes they are moving in the right direction towards building society, whilst failing to realize that their country is heading towards underdevelopment because individuals are not producing work of real value that would make their countries productive; rather, they are countries that consume imported goods, whilst there is a vast number of exorbitantly wealthy traders who tend to discourage infrastructure, agricultural and industrial projects so that their people remain dependent on neighboring countries and the elite nations, which find that opening up the export market to underdeveloped countries is more beneficial than creating chaos and wars in these countries, particularly the oil-producing ones. In this way, industrial competition is destroyed, as countries generally cannot become wealthy without industrialization. A few days ago, there were demonstrations in Tunisia due to high unemployment; the government is distributing aid to the unemployed, but the people are not satisfied with this; they want work, productivity and a decent life.

The dismantling of the agricultural systems of third world countries is intended to destroy farmers and small-scale economic enterprises, thereby forcing the citizens of these nations to depend on the dominant powers. This is what the deans of agricultural faculties in Iraq are generally observing, as student enrolment and interest in these faculties have become virtually non-existent.

Dividing underdeveloped countries into small fragments by sowing discord among different religious and ethnic groups and emphasising regional differences. There is no disagreement that ISIS was one of the key tools for achieving this important objective, and we are currently hearing calls for the division of Iraq into a federal government comprising the southern provinces and another comprising the central provinces, in addition to the Kurdistan Region.

Sending so-called 'peaceful traders' to these underdeveloped countries—who are, in reality, spies who gather information and incite one ethnic group against another in order to stir up regional unrest- whilst separatist groups are encouraged and attempts are made to destabilise these countries. Take, for example, the Czech Republic, then Yugoslavia, and subsequently Serbia- because they are Slavic countries- which will be torn apart next, and attempts have also been made against Romania. Brazil is also very large, and it is clear that it will become a powerful rival to balance the major global powers; therefore, there are attempts to divide it as follows:

Southern Brazil is the wealthy part.

Northern Brazil is the poor part.

It is likely that the Amazon rainforest will be removed from Brazil, because, as they say, the Amazon rainforest belongs to the planet Earth and not to Brazil, and this division may include Indonesia, just as East Timor was divided. There are some scenarios that suggest this process is a realistic possibility. The basic plan of these elites from powerful nations can be easily observed through the following:

- destabilizing local (national) governments by supporting two opposing sides simultaneously.
- Replacing national leaders with others who are ostensibly hostile to globalisation.
- Destroying the national economy, thereby creating the need to divide the region into smaller areas.
- Allowing multinational corporations to dominate the regions that have been divided into smaller areas (see the book **Silent Domination** by Noreena Hertz).
- Failing to provide decent living conditions for the general populace, thereby giving the World Bank opportunities to intervene by making the national economy dependent on it. All of this leads to the creation of further pressures on these people.
- Exaggerating and fabricating problems between countries sharing the same language or culture, to hinder their unification (such as Arab countries, Latin American countries, and Islamic countries), so that they do not become forces posing a threat to their plans.
- The creation of international organisations that claim to serve the whole world but in fact they serve only a handful of powers and act against independent states not subject to their influence. What kind of democracy do these international organisations promote when they allow some to possess advanced weapons whilst others do not!! And they clearly side with powerful states. In our view, all states should be disarmed without exception, but this is the realm of Utopia these days. It is also ironic that some states possess the 'right of veto'! Is this justice? Furthermore, these organisations seek pretexts, such as international aid, to interfere in the affairs of underdeveloped nations.

As for the International Court of Justice, it is the whip through which powerful states punish anyone who does not submit to them, by taking sides and holding trials, whilst the whole world must submit to the laws of self-interest imposed by the powerful elite states

Erasing the collective memory of other nations through defamation and ridicule, and disparaging the history, languages, traditions, cultures and figures of those nations, in order to destroy them and impose their cultural hegemony upon them, for this is the cynical strategy to eradicate other nations by using their intelligence agents to incite the younger generations in the countries of the powerful elites to hate other cultures and traditions, to ignore, boycott and humiliate them, and to launch a campaign of lies to discredit scholars, creators and writers in various countries, especially those scholars who succeed in advancing their research without the approval of these powerful states. They do not hesitate to assassinate these scholars, as we see with our own eyes. It is worth noting that upon returning from the forced displacement caused by ISIS's occupation of Nineveh Governorate, we found that one of the buildings confirmed to have been demolished at the University of Mosul (2017) was the Central Library, which housed the largest collection of rare books, articles and manuscripts used by undergraduate and postgraduate students in their research. How deeply we regretted it when we found the Government Publications Department completely burnt down, as this section contained publications with important data, such as water levels of the Tigris and Euphrates rivers, and records of floods and temperatures in Mosul dating back decades. Meanwhile, the Students' Club building, situated very close to the Central Library, remained completely unscathed by any targeting or damage.

Elite nations disseminate and promote all manner of reports, encyclopaedias, booklets, films, documentaries, propaganda news, websites, and so on, in order to indoctrinate the entire world into believing that they hold

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hegemony in every field. Who among us does not see this on channels such as National Geographic in Arabic and others?

The powerful elite nations indoctrinate Third World countries with their ideologies, culture & politics, and suppress the local values of third world countries.

Undercover agents working for powerful nations deceive local journalists, coercing them into speaking out and slandering the culture, history, traditions, and customs of their own countries, whilst at the same time glorifying the dominant powers.

Weakening the higher education system in underdeveloped countries is evident in the implementation of a standardised curriculum across related departments in universities, generally without taking into account the differences that may arise due to the academic backgrounds of staff who have obtained their higher degrees from various developed countries.

There is a form of international fraud practised by the powerful elite states, whereby they convert all other countries' currencies exclusively into their own, reaping huge benefits whilst it costs them nothing more than 'ink and paper' to print this vast quantity of banknotes. On the other hand, the whole world is forced to purchase all agricultural, oil and commercial goods and services using the dollar. In our view, the remedy for this is that third world countries should refuse to recognise these banknotes and demand that entry into international trade be conditional on the use of gold, silver, and diamonds instead of the dollar, the euro, and other currencies of these dominant nations.

As for those countries that do not bow to these powers, they are accused of being undemocratic and of failing to respect human rights, whilst these powerful nations themselves adhere to a false democracy, given that democracy, in the Greek sense, means the power of the people:

[demokratia = demos (people) + kratos (power)]

and not the authority of a military council. We are aware that the majority of people are against wars, and we see millions of them demonstrating against wars, yet the military councils within governments wage wars; where, then, is the manifestation of the people's authority? The truth is that there is no significant difference between dictatorship and what is called democracy today. Whereas Stalinist dictatorship did not accept any opinion from the people, so-called democracy today allows you to speak, but the result is the same as under dictatorship (i.e. there is no real influence, because today's tyrannical governments do as they please; these measures allowing people to speak are a psychological tactic on the part of the military council, because venting people's anger and doing so repeatedly without any result will ultimately lead to people becoming bored and thus ceasing to protest. The general meaning of democracy today is submission to these powerful elite states, and democracy has become a pretext for interfering with the rights of the ordinary citizen. And the US Congress, unfortunately, is a prime example of official corruption, as companies use financial bribes with senators, for example, to amend interest laws that oblige every driver, for instance, to insure their car, whilst the money paid is effectively a tax paid to the beneficiaries.

Countries that oppose the dominance of powerful elites are destroyed by military attacks, as we have clearly seen in Iraq, whereas those that submit to them are destroyed by other means. For example, we see Eastern European countries such as Romania and Bulgaria having their industries destroyed and high taxes imposed on their citizens. Furthermore, Eastern European countries are paying millions of euros to the European Union, whilst projects go to Western countries, whereas Eastern European countries reap little benefit and their projects are systematically rejected. Consequently, a small percentage of Eastern Europe has come to monopolise wealth, whilst the majority are extremely poor, leading to people being plunged into misery. and there is a very high level of dissatisfaction among the population, which we observe in the youth movement today on the internet. Nor should we overlook the situation of ordinary people in the United States of America, as the prevailing feeling among them is that they are merely 'frogs in boiling water' in their own country due to these practices by the powerful elites. The role of the European Union, as part of the rule of the single global party (globalisation) has been fundamental in several respects:

- Turning Eastern European countries into dumping grounds for Western European nations.
- The control of many European companies over parts of Africa, Asia and Latin American countries, as they force underdeveloped nations to open their markets to European Union companies whose products are superior to local ones, thereby damaging local economies. No one can deny the vast and varied range of products from Turkey, Iran, the Gulf states, America, Europe and China found in Iraqi markets, whilst we see no impact from domestic products.

There are deceptive national and international agencies calling themselves human rights organizations, including

- Human Rights Watch.
- Amnesty International.
- The Equal Employment Opportunities Commission.

On the surface, they claim to defend the human rights of citizens worldwide, but in reality, they create pretexts to interfere in the affairs of so-called 'rogue states' (i.e. countries that do not submit to them).

People are being stripped of their identities and affiliations by encouraging them to ignore the history, cultures and traditions of their own countries, turning them into mere tools to serve Western interests. Schools and universities are churning out masses of people characterised by ignorance and a vague, incomplete education; as a result, these peoples will be driven into poverty and humiliation.

Encouraging creative minds and thinkers in Third World countries to imitate and follow the ideas, arts, discourses and sciences of the powerful elites, and dissuading them from their own original creations and ideas - which I see as a form of intellectual monopoly.

Controlling the national media and the internet, and smearing the reputations of independent individuals to prevent them from rising to positions that would enable them to change reality and draw people towards them.

The awarding of enticing international prizes with exaggerated titles such as 'Best in the World' and 'The Nice Theory' (for those useless theories that so many people compete for) in the fields of science and the arts... etc., as well as turning certain regions of the Third World into cheap holiday resorts for the influential in powerful elite circles- something we see in some capitals of the Arab Gulf states- and also attempting to reduce the proportion of the middle class in all countries and transform societies into ones with a large proportion of the poor and a small proportion of the extremely wealthy. There is no healthcare system to support the middle and lower classes; business corporations control medical insurance, and the social system has been bankrupted by capitalist ideas. We find that the pension system is very poor, and the modern working class is at risk of being left without pensions. Furthermore, one of the tenets of globalisation is the 'free movement of people and ideas across borders', which leads to the reduction or elimination of differences between countries; yet the principle of difference is essential for diversity and distinctiveness, which represent the vital foundations upon which humanity is built. There is a need for a balance of power at the global level to ensure a healthy world climate, and it is likely that China, India, Brazil and other modest nations will develop in order to counterbalance the arrogance of today's totalitarian power.

Moreover, the phenomena outlined above confirm the existence of significant conceptual confusion within Third World societies (a point we emphasised when discussing the concept of Neutrosophic theory, which implies the possibility of multiple metrics and multiple interpretations of the same available data in a given problem). This supports the existence of divisions among the people of a single country, and that allegiances are no longer based on nationality but have come to be based on many factors; most importantly, the single homeland, its unity and its development are no longer the goal. Therefore, we must be mindful that religious, national or ethnic allegiance does not mean the abolition of allegiance to the single homeland; on the contrary, if the motto of the people of a single nation is 'a secure future for coming generations', then we must accept

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one another and live in peace within our communities, and each of us must respect the existence of the other and their right to their country and the land on which our ancestors have lived for centuries. We must not think from a narrow, limited perspective, for this will lead us into the abyss of differences and fragmentation, driving our society towards absolute error. This is rejected by Neutrosophic theory, which classifies natural phenomena, societal problems and value concepts into three categories: truth, indeterminacy and falsehood. What one group sees as absolute truth in a particular matter, another group sees as absolute falsehood; at the same time, a third group may see that there is a simultaneous presence of truth and falsehood in the same matter. Therefore, the acceptance by members of society of differing viewpoints, and their acceptance of one another despite their differing orientations, beliefs and ethnicities, constitutes a healthy state in a society that tends towards stability and the building of the future.

5 | Conclusion

Perhaps we are not far from the truth if we say that returning to the pure source of the noble Prophetic guidance requires us to be fair in acknowledging that all the Islamic conquests that took place during the era of the Prophethood and the era of the Rightly Guided Caliphs were not aimed at destroying peoples or disrupting the systems and cohesion of societies, so much as their aim was to liberate those societies from the bondage of idolatry and the domination of an elite class of powerful figures over the necks of humanity, who ruled them according to the whims of their sultans, so that they might thereafter be governed by a just state whose aim was justice amongst people, based on principles including (freedom of worship for the Abrahamic religions under very lenient conditions, as a Christian could retain his faith and was not required to participate in wars if they were waged against his country; he also had the right to practise his trade and private business in return for paying the *jizya*, which was, on the whole, less than the rate of *zakat* paid by a Muslim himself to the Muslim treasury, with the difference being that a Muslim was required to participate in repelling the enemy and defend their country in the event of an attack by another state or army, in addition to reducing the taxes and duties that had been weighing heavily on the people, leaving them exhausted and subservient to their rulers; guaranteeing individuals' freedom to trade and choose the work that suited them according to their capabilities and individual differences; The early Muslims were keen to preserve the lives and places of worship of Christians and Jews, The Islamic faith also encouraged the manumission of slaves through various means, so that those who study Islamic history can observe that, within a few decades of Islam's early days, Islamic societies embraced the freeing of slaves as a means of drawing closer to God Almighty, leading to their complete disappearance from our societies.

Islam, as revealed, is summarized by the Pillars of Faith and the Pillars of Islam, and by following the pure source of the Prophet's guidance, bearing in mind that the conflicts that subsequently arose between Islamic sects and factions, the wars that claimed the lives of innocent Muslims and others, and the disintegration of societies as each faction took sides and closed in on itself, caused the Arab and Islamic world to suffer the scourges and strife of war, as well as accusations from Western nations that Islam is a religion that incites murder and slaughter, In addition, certain external parties have deliberately elevated one sect above another, empowering and supporting it for a time, only to then withdraw their support, thereby provoking violent reactions from the sects that were oppressed under its rule, with the support of those very same external parties, in order to create civil wars, destruction and hatred. It is enough for the Shia and Sunnis of the Islamic world to unite for their unity to become the greatest challenge to these major powers, not to mention what we observe of the division of the so-called 'Shia bloc' in Iraq to reinforce the concept of 'dividing the divided and fragmenting the fragmented', and, similarly, the division of the Sunnis themselves into Arabs, Kurds, Turkmen and others based on ethnicity and nationality. It was therefore necessary to clarify all this to the youth of the Ummah and to try not to get involved in what is of no benefit, for the challenges that nations and peoples will face in the future are not what we see today. Therefore, the youth of the nation must remain steadfast and strive towards the pursuit of knowledge, and social cohesion; a necessity that demands the dissemination of the principles of peace, love, acceptance of others and peaceful coexistence.

Funding

This research has no funding source.

Data Availability

The datasets generated during and/or analyzed during the current study are not publicly available due to the privacy-preserving nature of the data but are available from the corresponding author upon reasonable request.

Conflicts of Interest

The authors declare that there is no conflict of interest in the research.

Ethical Approval

This article does not contain any studies with human participants or animals performed by any of the authors.

References

- [1] F. Smarandache. (1998) "A Unifying Field in Logics: Neutrosophic Logic. Neutrosophy, Neutrosophic Set, Neutrosophic Probability", American Research Press, Rehoboth, NM, 1999.
- [2] F. Smarandache, Huda E. Khalid, Ahmed K. Essa (2018) "Neutrosophic Logic: The Revolutionary Logic in Science and Philosophy", EuropaNova Publishing House, Brussels.
- [3] Khalid H. E., Essa A. K. (2020) "Introduction to Neutrosophic Statistics" Translated Arabic Version , Pons Publishing House, Brussels, ISBN: 978-1-59973-906-9.
- [4] Michel Chossudovsky, Global Famine, <http://snuffysmithsblog.blogspot.com/2008/05/global-famine-by-michel-chossudovsky.html>.
- [5] Oosterlynck, S., "Organic intellectuals and the crisis of neo-liberalism: Joseph Stiglitz and the Post-Washington Consensus," Dept. of Sociology, Lancaster University, UK
- [6] Stiglitz, J, (2002). Globalization and its discontents. London: Penguin Books.

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