

Letter**The Holy Koran Revelation: Iron Is a “Sent Down” Metal****Djamel Ghernaout^{1,2}**¹Department of Chemical Engineering, College of Engineering, University of Hail, Ha'il, Saudi Arabia²Department of Chemical Engineering, College of Engineering, University of Blida, Blida, Algeria**Email address:**

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Abstract: One of the most important grants of God Almighty to mankind is iron. The reality that there is a Chapter named “Al-Hadid” (Iron) in the Holy Koran can be considered as a sign of its significance. The reality that there is not a Chapter called “adh-Dhahab” (Gold) might be a sign that iron is more crucial than gold since life would go on if gold did not exist but it would not be easy to mention human civilization without iron. Iron is (1) the essential of all of the arts, (2) the source of human development and progress, and (3) in the center of the strength of man. Due to its functions mentioned above and similar ones, the following is stated in the Koran: “...and We sent down Iron, in which is (material for) mighty war, as well as many benefits for mankind...”. The fact that this Verse particularly introduces iron is completely astonishing, taking into account that these findings were realized at the termination of the 20th century.**Keywords:** Iron, The Holy Koran, Mankind, Earth, Supernova

1. Introduction

In the Holy Koran, Chapter 57 is named "The Iron" - Al Hadid (الحديد) [1-3]. The term Iron is cited in this Chapter only one time in Verse number 25 [4]:

“He sent aforetime our messengers with Clear Signs and sent down with them the Book and the Balance (of Right and Wrong), that men may stand forth in justice; and We sent down Iron, in which is (material for) mighty war, as well as many benefits for mankind, that Allah may test who it is that will help, Unseen, Him and His messengers: For Allah is Full of Strength, Exalted in Might (and able to enforce His Will)” (Verse 25, Chapter 57, The Iron, The Holy Koran).

Iron (chemical symbol Fe) has the atomic number 26 which signifies that it possesses 26 protons (this number is stable along all the variants of Iron). Iron possesses several isotopes [5]. The most plentiful isotope is Fe-56 (56 is the approximate atomic weight of this isotope). Isotope Fe-57 is one of the four stable isotopes (in fact it is located between Fe-56 and Fe-58 placing it in the middle position between the three most stable isotopes, the 4th less stable isotope is Fe-54).

The Holy Koran appears to indicate that the iron was something “sent down” and not from this earth, an idea not

foreign to 20th century science [6]. The word “anzalna” in Arabic, translated as "sent down" and utilized for iron in the Verse 25, could be thought of having a metaphorical signification to elucidate that iron has been provided to benefit people. However, when the literal signification of the term is considered, which is “being physically sent down from the sky”, as this word usage had not been employed in the Holy Koran except literally, like the descending of the rain or revelation, this Verse indicates a very important scientific miracle since modern astronomical findings have disclosed that the iron found in the world has come from giant stars in outer space [7-12].

Not only the iron on earth, but also the iron in the whole Solar System, comes from outer space, because the temperature in the Sun is insufficient for the generation of iron. The sun possesses a surface temperature of 6,000 degrees Celsius, and a core temperature of approximately 20 million degrees. Iron can only be formed in much bigger stars than the Sun, where the temperature reaches a few hundred million degrees. When the quantity of iron exceeds a certain degree in a star, the star can no longer lodge it, and it eventually explodes in what is known a "nova" or a "supernova." These explosions let it easy for iron to be given off into space [7, 13].

One scientific source, cited by [7], gives the next fact on this topic:

“There is also evidence for older supernova events: Enhanced levels of iron-60 in deep-sea sediments have been interpreted as indications that a supernova explosion occurred within 90 light-years of the sun about 5 million years ago. Iron-60 is a radioactive isotope of iron, formed in supernova explosions, which decays with a half-life of 1.5 million years. An enhanced presence of this isotope in a geologic layer indicates the recent nucleosynthesis of elements nearby in space and their subsequent transport to the earth (perhaps as part of dust grains) [7]”.

All this demonstrates that iron was not created on the Earth, but was carried from Supernovas, and was "sent down," as stated in the Verse 25. It is obvious that this information could not have been recognized in the 7th century, when the Holy Koran was revealed. However, this information is recited in the Holy Koran, the Word of God, Who encompasses all things in His infinite knowledge [7].

The reality that the Verse 25 particularly introduces iron is completely astonishing, taking into account that these findings were realized at the termination of the 20th century. In his book *Nature's Destiny*, the famous microbiologist Michael Denton confirms the significance of iron [7]:

“Of all the metals there is none more essential to life than iron. It is the accumulation of iron in the center of a star which triggers a supernova explosion and the subsequent scattering of the vital atoms of life throughout the cosmos. It was the drawing by gravity of iron atoms to the center of the primeval earth that generated the heat which caused the initial chemical differentiation of the earth, the outgassing of the early atmosphere, and ultimately the formation of the hydrosphere. It is molten iron in the center of the earth which, acting like a gigantic dynamo, generates the earth's magnetic field, which in turn creates the Van Allen radiation belts that shield the earth's surface from destructive high-energy-penetrating cosmic radiation and preserve the crucial ozone layer from cosmic ray destruction. Without the iron atom, there would be no carbon-based life in the cosmos; no supernovae, no heating of the primitive earth, no atmosphere or hydrosphere. There would be no protective magnetic field, no Van Allen radiation belts, no ozone layer, no metal to make hemoglobin (in human blood), no metal to tame the reactivity of oxygen, and no oxidative metabolism. The intriguing and intimate relationship between life and iron, between the red color of blood and the dying of some distant star, not only indicates the relevance of metals to biology but also the bio centrality of the cosmos...” [14].

This report intelligibly specifies the significance of the iron atom. The reality that special consideration is given to iron in the Holy Koran also confirms the significance of the element [7-9, 15-25].

Furthermore, iron oxide particles were utilized in a cancer treatment in recently and encouraging results were detected. A team conducted by Dr. Andreas Jordan, at the world well-known Charité Hospital in Germany, triumphed in killing cancer cells with this novel method conceived for the

treatment of cancer—magnetic fluid hyperthermia (high temperature magnetic liquid). As a consequence of this procedure, first performed on the 26-year-old Nikolaus H., no new cancer cells were detected in the patient in the following three months [7].

This technique of treatment can be outlined as follows:

(1). A liquid containing iron oxide particles is injected into the tumour by means of a special syringe. These particles spread throughout the tumour cells. This liquid consists of thousands of millions of particles, 1,000 times smaller than the red blood corpuscles, of iron oxide in 1 cm³ that can easily flow through all blood vessels.

(2). The patient is then placed in a machine with a powerful magnetic field.

(3). This magnetic field, applied externally, begins to set the iron particles in the tumour in motion. During this time, the temperature in the tumour containing the iron oxide particles increases by up to 45 degrees.

(4). In a few minutes, the cancer cells, unable to protect themselves from the heat, are either weakened or killed. The tumour may then be completely eradicated with subsequent chemotherapy [7].

In this technique, it is only the cancer cells that are touched by the magnetic field, since only they contain the iron oxide particles. The spread of this technique is a major development in the treatment of this potentially lethal disease. Iron has also been found to be a cure for people suffering from anemia. In the treatment of such a widespread diseases, the use of the expression “iron in which there lies great force and which has many uses for mankind” (The Holy Koran, 57:25) in the Holy Koran is particularly noteworthy [7].

2. Iron Instead of to Toxic Aluminum and Copper in Coagulation Process

Copper (Cu) is an important metal and a constituent of several enzymatic reactions. However, this redox active metal may as well mediate the generation of reactive oxygen species (ROS) and this may conduct to unfavorable results. Aluminum (Al) is a trivalent cation unable of redox variations and dissimilar Cu, has no recognized biological action. Both metals have been linked with neurological impairments [26]. Al has been observed to possess a causal contribution in dialysis encephalopathy and epidemiological investigations propose a viable link between exposure to this metal and an elevated prevalence of Alzheimer's disease (AD). This relationships is function of the duration of Al exposure and only becomes important if an individual has resided in an area with high Al in drinking water (> 0.1 mg/L) for several years. Homeostatic alterations in brain Cu levels have also been implicated in the pathogenesis of several neurological disorders including Alzheimer's, Parkinson's and prion diseases. The toxicity of excess Cu is best demonstrated by the heritable disorder, Wilson's disease, in which the liver is unable to excrete the metal and thus there is tissue accumulation. In this condition, liver and brain are the most

compromised areas [26]. Other studies confirmed these results [cited in 18] especially concerning aluminium toxicity and its relationships to AD. Another work concerned Al forms in drinking water and risk of AD [27].

In this situation, iron should exclusively substitute Al and Cu as a green chemical in coagulation process [28-35]. Several studies have proven the Fe efficiency in treating different types of water and wastewater.

3. Conclusion

Scientists have proved that millions of years ago meteoroids hit the earth, and those meteoroids came with iron which then immersed in different parts of the world. Nothing that Allah has created is without purpose. Whether living or non-living, everything was made to benefit us, it is only now that science backs up everything that we have already been told about through our Holy Koran.

Day after day, the Holy Koran still reveal scientific facts that scientists have not yet discovered. Humankind must be connected to the Holy Koran and follow its guidelines since it is revealed by the Creator of the Universes.

References

- [1] Surat Al Hadid (The Iron) (Holy Quran Chapter 57) With English subtitles, https://www.youtube.com/watch?v=4j_eSp2AE_g (accessed on 5/07/17).
- [2] Iron-Fe-in Holy Quran: Sending down & Atomic No. & Atomic Weight! dr. zaghlool najjar, <https://www.youtube.com/watch?v=0hWH1scNq1M> (accessed on 5/07/17).
- [3] Scientific Miracles of the Quran: Moon, Iron & Big Bang Theory, <https://www.youtube.com/watch?v=R0J5mY9Jz4M> (accessed on 5/07/17).
- [4] W. Masarwa, Iron properties in Chapter 57 of the Holy Quran, <http://www.quranwonders.com/2009/03/28/id/9> (accessed on 5/07/17).
- [5] Isotopes of iron, https://en.wikipedia.org/wiki/Isotopes_of_iron, (accessed on 5/07/17).
- [6] WikiIslam, Qur'an and the Descent of Iron, https://wikiislam.net/wiki/Quran_and_the_Descent_of_Iron, (accessed on 5/07/17).
- [7] The Miracle of Iron, <https://www.islamreligion.com/articles/562/miracle-of-iron/> (accessed on 5/07/17).
- [8] The miracle of Iron in the Quran, <http://www.factofarabs.net/ERA.aspx?Id=227&TId=44>, (accessed on 5/07/17).
- [9] The miracle of iron in the Quran, <https://www.youtube.com/watch?v=KaxWkNNGCZY> (accessed on 5/07/17).
- [10] M. U. Kazi, 130 evident miracles in the Qur'an, Crescent Publishing House, New York, 1998, pp 110-111.
- [11] Iron's atomic number and isotopes, <http://www.quranmiracles.com/2011/03/atomic-number-of-iron/>, (accessed on 5/07/17).
- [12] Iron, as it appears in the Quran, <http://www.answering-christianity.com/iron1.htm>, (accessed on 5/07/17).
- [13] Will you explain the Verse "...and We sent down Iron..." (al-Hadid, 57/25)? Was iron sent down from space? <http://www.questionsonislam.com/question/will-you-explain-verse-%E2%80%A6and-we-sent-down-iron-al-hadid-5725-wa-s-iron-sent-down-space>, (accessed on 5/07/17).
- [14] M. J. Denton, Nature's Destiny, The Free Press, 1998, p. 198.
- [15] D. Ghernaout, Environmental Principles in the Holy Koran and the Sayings of the Prophet Muhammad, Am. J. Environ. Prof. 6 (2017) 75-79. doi: 10.11648/j.ajep.20170603.13.
- [16] D. Ghernaout, The best available technology of water/wastewater treatment and seawater desalination: Simulation of the open sky seawater distillation, Green Sustain. Chem. 3 (2013) 68-88.
- [17] D. Ghernaout, M. W. Naceur, Ferrate (VI): In situ generation and water treatment – A review, Desalin. Water Treat. 30 (2011) 319-332.
- [18] D. Ghernaout, B. Ghernaout, M. W. Naceur, Embodying the chemical water treatment in the green chemistry – A review, Desalination 271 (2011) 1-10.
- [19] Supernova explosion and a miracle of The Qur'an, <http://www.fountainmagazine.com/Issue/detail/Supernova-Explosion-and-a-Miracle-of-The-Quran>, (accessed on 5/07/17).
- [20] 3 facts from The Holy Quran that have now been scientifically proven, <https://www.parhlo.com/scintifically-proven-quranic-facts/>, (accessed on 5/07/17).
- [21] A. Malik, H. Yadav, Role of iron in human health, <http://www.google.dz/url?sa=t&rct=j&q=&esrc=s&source=web&cd=3&ved=0ahUKEwim6q7JtfTUAhVJ0RQKHYYKaCKsQFgg1MAI&url=http%3A%2F%2Fwww.pitt.edu%2F~super7%2F49011-50001%2F49271.ppt&usq=AFQjCNGdy5cLqM5LxiNXeWV6-PawaqgVOQ>, (accessed on 6/07/17).
- [22] 17 surprising benefits of iron, <https://www.organicfacts.net/health-benefits/minerals/health-benefits-of-iron.html>, (accessed on 6/07/17).
- [23] Difference between haemoglobin and iron, <https://www.youtube.com/watch?v=ouaRCSPnsX4>, (accessed on 17/07/17).
- [24] What is iron deficiency? | Hematologic System Diseases | NCLEX-RN | Khan Academy, <https://www.youtube.com/watch?v=U1Ls9Vh-3m8>, (accessed on 17/07/17).
- [25] Signs and Symptoms of Iron Deficiency You Should Not Ignore, https://www.youtube.com/watch?v=Wt7QRpY88_8, (accessed on 17/07/17).
- [26] A. Becaria, D. K. Lahiri, S. C. Bondy, D. Chen, A. Hamadeh, H. Li, R. Taylor, A. Campbell, Aluminum and copper in drinking water enhance inflammatory or oxidative events specifically in the brain, J. Neuroimmunol. 176 (2006) 16-23.

- [27] R.-J. Gau, H.-L. Yang, J.-L. Suen, F.-J. Lu, Induction of oxidative stress by HA through increasing intracellular iron: a possible mechanism leading to atherothrombotic vascular disorder in blackfoot disease, *Biochem. Biophys. Res. Commun.* 283 (2001) 743-749.
- [28] D. Ghernaout, A. Boucherit, Review of coagulation's rapid mixing for NOM removal, *J. Res. Develop. Chem.*, 2015, DOI: 10.5171/2015.926518.
- [29] A. Boucherit, S. Moulay, D. Ghernaout, A. I. Al-Ghonamy, B. Ghernaout, M. W. Naceur, N. Ait Messaoudene, M. Aichouni, A. A. Mahjoubi, N. A. Elboughdiri, New trends in disinfection by-products formation upon water treatment, *J. Res. Develop. Chem.*, 2015, DOI: 10.5171/2015.628833.
- [30] D. Ghernaout, A. I. Al-Ghonamy, A. Boucherit, B. Ghernaout, M. W. Naceur, N. Ait Messaoudene, M. Aichouni, A. A. Mahjoubi, N. A. Elboughdiri, Brownian motion and coagulation process, *Am. J. Environ. Prot.* 4 (2015) 1-15.
- [31] D. Ghernaout, A. I. Al-Ghonamy, M. W. Naceur, A. Boucherit, N. A. Messaoudene, M. Aichouni, A. A. Mahjoubi, N. A. Elboughdiri, Controlling coagulation process: From Zeta potential to streaming potential, *Am. J. Environ. Prot.* 4 (2015) 16-27.
- [32] D. Ghernaout, The hydrophilic/hydrophobic ratio vs. dissolved organics removal by coagulation - A review, *J. King Saud Univ. - Sci.* 26 (2014) 169-180.
- [33] D. Ghernaout, S. Moulay, N. Ait Messaoudene, M. Aichouni, M. W. Naceur, A. Boucherit, Coagulation and chlorination of NOM and algae in water treatment: A review, *Intern. J. Environ. Monit. Anal.* 2 (2014) 23-34.
- [34] D. Ghernaout, B. Ghernaout, Sweep flocculation as a second form of charge neutralisation - A Review, *Desalin. Water Treat.* 44 (2012) 15-28.
- [35] D. Ghernaout, B. Ghernaout, A. Kellil, Natural organic matter removal and enhanced coagulation as a link between coagulation and electrocoagulation, *Desalin. Water Treat.* 2 (2009) 209-228.