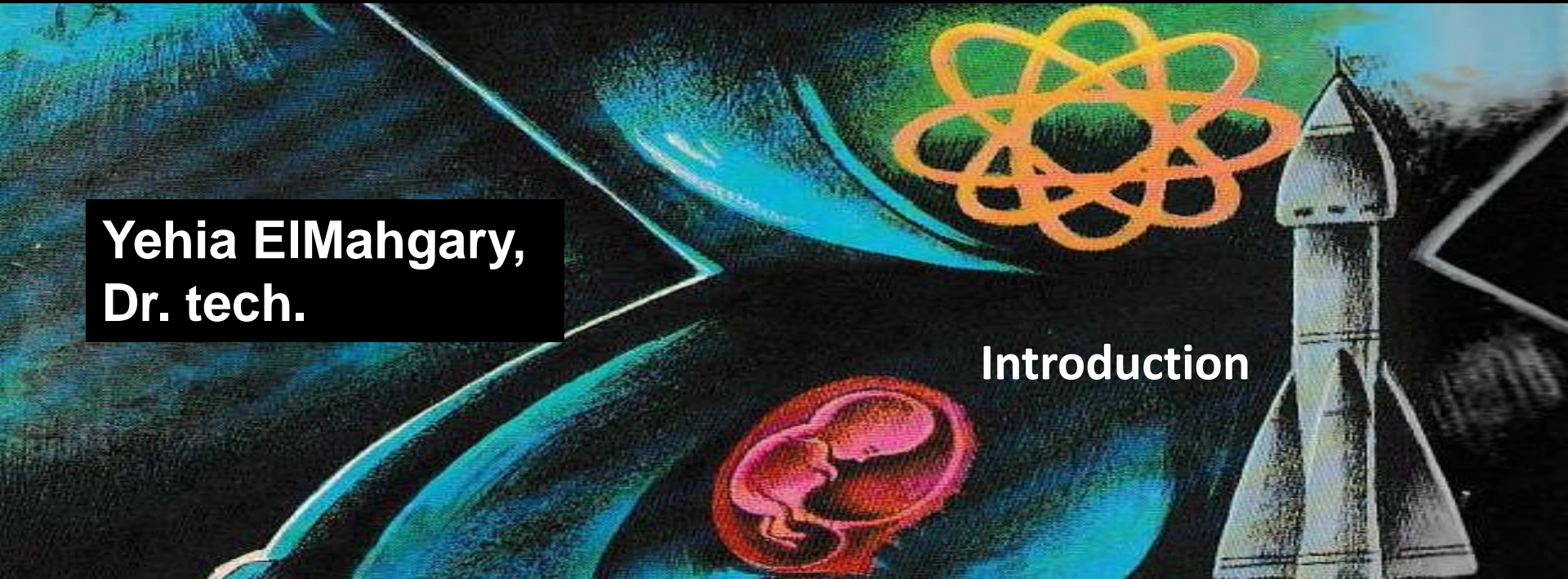


VERSES OF QUR'AN IN THE NICHE OF SCIENCE

**Yehia ElMahgary,
Dr. tech.**

Introduction



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

IN THE NAME OF ALLAH THE MOST GRACIOUS THE MOST MERCIFUL

Introduction

"رَبِّ أَوْزِعْنِي أَنْ أَشْكُرَ نِعْمَتَكَ الَّتِي أَنْعَمْتَ عَلَيَّ وَعَلَىٰ وُلْدِيَّ وَأَنْ أَعْمَلَ
صَالِحًا تَرْضَاهُ وَأَدْخِلْنِي بِرَحْمَتِكَ فِي عِبَادِكَ الصَّالِحِينَ" (النمل 19)

“My Lord! Inspire me and enable me to show my gratitude to You for Your Favors which You have bestowed on me and on my parents, and that I may do righteous good deeds that will please You, and admit me by Your Mercy among Your righteous slaves” (27/19)



I wish to dedicate this Booklet to my children

Sami, Laila and Menna

**Asking God to guide them to the path of
rationalization**

Historical Facts

- ❖ Whoever reads about the history of the Middle Ages, cannot ignore the fact that Islam raised the Arabs from the darkness of The Era of Ignorance to become the strongest and most developed nation of its time.
- ❖ At the time when Islam was going through the Golden Age and when Muslims were well aware of their religion and holding tightly to its principles, science and civilization flourished, leading the world in all respects.
- ❖ The opposite happened in the West during the Era of Church Domination. Science fell under the domination of the Church and the West lived ages in scientific darkness, and in the catacombs of magic and sorcery.
- ❖ When the Muslims compromised the pillars of their religion and adopted some of the Western lifestyle, they were swept further away from science and civilization. This is when the Muslims had to hand over the torch of science and civilization once more to the West, where the domination of the Church had substantially diminished.



Islam



Islam is that glorified reverence of the soul, in order not to submit to someone other than God, and to provide only Him with the pure servitude. It is this firm certainty that obsesses feelings and thoughts, and strips the soul from all fear, sense of dread or feeling of request to anyone else but Him. Thus no power could embrace his heart or dominate his behavior in worships and transactions except the sole authority of God, and no desire orients his world except the desire of getting God's blessings, and no fear that chills his life except the fear of the wrath of God.⁽²⁾

Qur'an



The Qur'an is a guidance for the pious believers to abstain from sins and evil deeds. It is a revelation from the most Gracious and most Merciful Lord, and a honorable well-fortified respected Book. Falsehood cannot come to it from before it or afterwards. It is a guide and healing for those who believe. Qur'an is the last testament confirming the Scripture that came before it, testifying the truth that is therein and falsifying the falsehood that is added therein. The main goal of writing this booklet is to present some new scientific developments in different fields and to explain how to make use of them in understanding selected verses of the Qur'an.

Faith & Science

In Islam there is no contradiction between Faith and Science. As a matter of fact, they are complementary to each other, and we can't and shouldn't separate them. Faith is concerned with the Science of the unknown - something we cannot witness with our senses, though we know for certain through our hearts, by meditation on the signs of the Creator in the universe as well as contemplation about what the messengers have conveyed to us from what God has revealed to them. The meaning of faith for many Qur'an Scholars is science and knowledge.

On the other hand, contemplating the secrets and wisdom behind the creation and trying to uncover and understand them is the key of the contemporary sciences. However, science alone wouldn't be able to answer all the questions about our existence on earth and the truth about our creation and fate. This more often than not leads to arrogance and atheism.

إِنَّمَا يَخْشَى اللَّهَ مِنْ عِبَادِهِ الْعُلَمَاءُ

"...Those truly fear Allah among His servants are those who have knowledge..."

Scientists (those who have knowledge) in Qur'an

❖ Qur'an has equated between believers and scientists in the higher grades:

"يَرْفَعُ اللَّهُ الَّذِينَ ءَامَنُوا مِنْكُمْ وَالَّذِينَ أُوتُوا الْعِلْمَ دَرَجَاتٍ وَاللَّهُ بِمَا تَعْمَلُونَ خَبِيرٌ" (المجادلة 11)

“Allah will exalt in degree those of you who believe and those who have been granted knowledge, and Allah is well-acquainted with what you do.” (58/11)

❖ Allah counts on their testimony with Him and the Angels:

“شَهِدَ اللَّهُ أَنَّهُ لَا إِلَهَ إِلَّا هُوَ وَالْمَلَائِكَةُ وَأُولُو الْعِلْمِ قَائِمًا بِالْقِسْطِ لَا إِلَهَ إِلَّا هُوَ الْعَزِيزُ الْحَكِيمُ” (آل عمران 18)

“Allah, the angels and those having knowledge bear witness that none has the right to be worshiped but He. He always maintain His creation in justice” (3/18)

❖ The testimony of those who have knowledge and faith is recognized on the Day of Resurrection

وَقَالَ الَّذِينَ أُوتُوا الْعِلْمَ وَالْإِيمَانَ لَقَدْ لَبِثْتُمْ فِي كِتَابِ اللَّهِ إِلَى يَوْمِ الْبُعْثِ فَهَذَا يَوْمِ الْبُعْثِ وَلَكِنَّا كُنَّا لَا نَعْلَمُونَ” (الروم 56)

“And those who have been bestowed with knowledge and faith will say, “Indeed, you have stayed according to the Decree of Allah until the day of Resurrection: so this is the day of Resurrection, but you knew not” (30/56)

How to apply the Qur'an on the developing human?

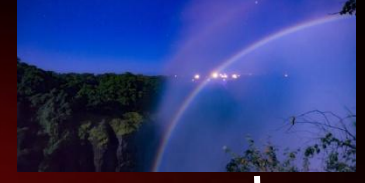


One feature of the human nature in addition to thinking, feeling and acting is developing. This development could be seen in the way of thinking, living and behaving.



This development has caused drastic changes in life style during the last hundred years, not talking about the last thousand years. If someone asks: “How can we apply the Qur'an, which came 1400 years ago, on the human of today?” The answer is in the Qur'an itself. In spite of the fact that its words and even letters haven't changed and will never do, their meanings depend on the reader. Nomads read it one thousand years ago and understood it according to their own logic. When physicists or cosmologists read the same verse in the 21st century, they understand from it completely new aspects. This is one of the miraculous natures of the Qur'an, to which we shall give examples in the following chapters. **“أَفَلَا يَتَذَكَّرُونَ الْقُرْآنَ ۚ وَلَوْ كَانَ مِنْ عِنْدِ غَيْرِ اللَّهِ لَوَجَدُوا فِيهِ اخْتِلَافًا كَثِيرًا.** Do they not consider the Qur'an carefully? Had it been from other than Allah, they would surely have found therein many a contradiction” (4/82)

Theory and Scientific Fact



1. The theory starts usually by collecting information on some natural phenomena, transcribing, and analyzing them. This ends the work of the experimental researcher.
2. The work of the theoretical researcher starts by trying to find an explanation for these phenomena in the form of a theory, using imagination, hunch or guess .
3. The third step is to test the validity of the theory. The successful theory should comply with two conditions: it can successfully be applied to a large number of cases, and it can predict with observations that may occur in the future. Newton's theory of gravity and the relativity theory are examples of successful theories, whereas Darwin's evolution theory is an example of a failed theory, as we shall see in Chapter 6.

Scientific fact, on the other hand, can be defined as a theory or a phenomenon, which all experiments have confirmed and none have been able to challenge its validity. One example of the scientific fact is the Sphericity of the Earth.



The laws of Physics

❖ The most important of them are Newton's Laws of Motion and the Laws of Thermodynamics. Einstein has unified the Laws of Matter and Energy into one, known as the First Law of Thermodynamics. Thus energy and matter became different sides of the same coin measured in Mev.

❖ Similarly, Einstein has restricted the scope of applying Newton's Laws of motion to low speeds. For speeds that are close to the speed of light, it is necessary to introduce the modifications dictated by the theory of relativity.

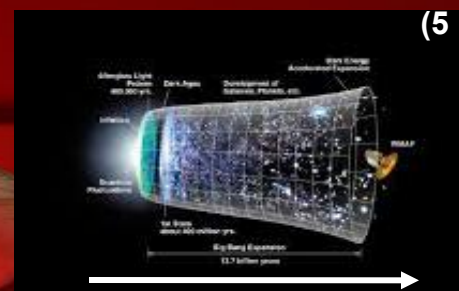
❖ The 2nd Law of Thermodynamics has its own sacredness, as it plays a very important role in our life. It could be put in the form "energy and matter are transferred from a regular form to an irregular form and not the opposite." This in its turn determines the direction of time in the Universe.

(4)

$$E = mc^2$$

Energy, mass, squared, equals, speed of light (constant)

$$F = \frac{ma}{\sqrt{1 - \frac{v^2}{c^2}}}$$



To Whom I Write These Presentations?

- ❖ I write them to everyone who is interested in science and wishes to know how it can consolidate his belief in God, and expand understanding of His book.
- ❖ And to the believers whose hearts are enlightened with faith and know the Qur'an as they know their children, to reread it in the niche of modern science.
- ❖ To all believers who believe in God, but don't yet reassure their hearts with faith, hoping they find in these presentations reassurance to the heart and peace to the mind.
- ❖ And to any person who has even an iota of faith in his/her heart, but still doubts that the Qur'an is our Lord's book to which falsehood doesn't find a way, hoping that they would find in these presentations a scientific reasoning emphasizing that no human could have brought the Qur'an 1400 years ago, **"Verily it is We Who have sent the Qur'an to you"** (76/23) **“إِنَّا نَحْنُ نَزَّلْنَا عَلَيْكَ الْقُرْآنَ تَنْزِيلًا”**
- ❖ Also to those who didn't read about Islam, except what was written by non-Muslims, and don't know about the Qur'an, except from those who did not understand it nor comprehend it.
- ❖ Last, but not least, to agnostics and atheists, who are curiously searching for the truth
- ❖ I wish to invite them all to make use of the latest scientific knowledge we have in the different fields to appreciate and value the Creator of this magnificent Universe, give Him the rightful esteem, and have confidence that Qur'an is His book.

Presenting the Topics Discussed

- ❖ We started in Chapter 1 by giving a Summary about the Theories of the Universe, starting with Aristotle's Model, ending by Friedman's Model and its verification by Hubble in 1929. We then explained the meaning of the Qur'an verses concerning the separation of matter and radiation, the continuous expansion of the universe and finally its collapse.
- ❖ We then gave explanations to the seven heavens in Chapter 2, and in Chapter 3 we discussed the creation and the cycle of celestial bodies. In Chapter 4, we discussed a few topics in physics, such as the relativity of time, the relation between mass and energy, and the anti-matter. In Chapter 5 we discussed the earth, its nature, layers and phenomena.
- ❖ In Chapter 6, we started with discussing the Theory of Evolution in 12 questions and answers. We continued the chapter by explaining the Qur'an verses on creation. Following that we discussed the topic of the Creation of Human in Chapter 7, and finally devoted Chapter 8 to the never ending debate about whether the human has a free will or is predestinated!

Acknowledgment

It is my pleasure to present my gratitude to our spiritual leader Prof. Abdel-Rahman Al-Wekeel, to my brothers Dr. (MD) Ismail Hosny for discussion on Chapter 7, Dr. Ing. Mohammad Ali for revising the first edition of the book and for the corrections and suggestions he made and to M.Sc. Moheb Hosny for reading the drafts and for his linguistic revision. May our Lord provide peace on their souls. Also to my friends M.Sc. Sayed Kandil in Australia, Dr. Adel Basiouni in US (pbut) with whom I shared reading and discussing books on Astronomy and Cosmology. I also acknowledge the encouragement I got from my Tunisian Friends Tuhami Falah, Ammar and Tarek when I started writing the first edition in Vanuatu. I wish also express my gratitude to my wife M. Sc. Inari Muurinen for her support and linguistic revision, to the Reviewers of the 2nd Edition Prof. Mohammad Mansour and Dr. Sc. Ibrahim El-Nashar, Switzerland, Prof. (FRCS) Raouf Sallam, Azhar Univ., Prof. Mohammad Shama, Alex. Univ., Egypt, Prof. Salah Bedair, North Carolina Univ. US, M. Sc. Mohamad Sami EIMahgary, Canada and to my son Tech. Lic. Sami EIMahgary, Finland.

Reviewers

Mohammad Mansour, Prof. Dr. Sc., Switzerland

Ibrahim El-Nashar, Dr. Sc., Switzerland

Raouf Sallam, Prof. MD, FRCS, Azhar Univ., Egypt

Salah Bedair, Prof., Ph.D., North Carolina Univ. USA

Mohammad Shama, Prof., Ph.D. Alex. Univ., Egypt

Mohammad Sami El-Mahgary, M.Sc. Canada

Sami El-Mahgary, Tech. Lic., Finland

References

1. Islam vs. Muslim, Diffeen, <https://www.diffeen.com/>
2. دعوة الحق. الأستاذ عبد الرحمن الوكيل (رحمه الله)
3. 7 Incredible Natural Phenomena, Travel moments, Opodo, Dreamtime.com
4. Kevaton, Albert Einstein: He Constructed The World's Most Famous Scientific Equation, Science 15.11.2017
5. Dark matter and energy, Physics World, 19 June 2018, <https://physicsworld.com/a/the-dark-energy-deniers/>