

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

# Qur'an and Science - Part 2

## Perspectives of a NASA Scientist

Prof. Dr. Nazeer Ahmed



# How does nature obey Divine Commands?

And His is whatever is in the  
heavens and the earth,  
And all are obedient to Him.  
(The Qur'an, 30:26)

وَلَهُ مَنْ فِي السَّمَاوَاتِ وَالْأَرْضِ كُلٌّ لَهُ  
(قَانِتُونَ) (الروم: 26)

# Studying the Shariah of Nature

- All that is in the cosmos belongs to Allah and obeys His commands. The question “how” is left as a challenge beckoning the human to heavenly secrets. This is the Shariah of nature which the human is invited to discover, follow, utilize and be thankful.
- There are two broad areas of research that a physicist can follow: The phenomenological equations and the constitutive equations.
- The phenomenological equations are those that govern the known forces: gravity, electromagnetic, weak atomic, strong atomic. The constitutive equations are those that determine the properties of matter. The interaction of these two determines the behavior of the cosmos. That is Shariah (the Law of Allah as manifested in nature).

# The Earth is a niche for humankind in the vast expanse of space

And He it is who brought you into  
being from a single soul,  
Then established for you a niche  
(On earth, in the vast expanse of  
space).

Behold! We show Our Signs to a  
people who have insight!

Qur'an, 6:98

وَهُوَ الَّذِي أَنْشَأَكُمْ مِنْ نَفْسٍ وَاحِدَةٍ فَمُسْتَقَرٌّ  
وَمُسْتَوْدَعٌ قَدْ فَصَّلْنَا الْآيَاتِ لِقَوْمٍ يَفْقَهُونَ  
(الأنعام: 98).

# The Miracle of Life on Earth

- The appearance of life on earth is a miracle.
- The planet earth is tucked away in a niche in the solar system within a narrow band of temperature, gravity, electromagnetic and other forces, protected from harmful rays, blessed with the grace of God that animates life and water that supports it.
- This spec of dust is attached to a midsized star, our sun which is itself tucked away on the outer fringes of a midsized galaxy, our Milky Way.
- There are two billion galaxies. Each galaxy has two billion stars. In this vast expanse of our known universe, life exists on a tiny planet, earth. If this is not a miracle, a wondrous manifestation of Divine Grace, what is?
- Symbolically, it is like Noah's ark in the lifeless ocean of the heavens.

# The Winds, the Clouds, the Rain and Water are Reminders

And He it is who heralds the winds with  
good tidings before He sends His mercy,  
until, as they become heavy with clouds,  
We drive them  
towards a thirsty land that is dead,  
Then bring down rain from it,  
and bring forth all kinds of fruits from it.  
That is how We will raise up the dead.  
Perchance you may remember (and  
reflect).                      Qur'an, 7:57

وَهُوَ الَّذِي يُرْسِلُ الرِّيَّاحَ بُشْرًا بَيْنَ يَدَيْ  
رَحْمَتِهِ حَتَّىٰ إِذَا أَقْلَّتْ سَحَابًا ثِقَالًا سُقْنَاهُ  
لِبَلَدٍ مَّيِّتٍ فَأَنْزَلْنَا بِهِ الْمَاءَ فَأَخْرَجْنَا بِهِ  
مِنْ كُلِّ الثَّمَرَاتِ كَذَلِكَ نُخْرِجُ الْمَوْتَى  
(لَعَلَّكُمْ تَذَكَّرُونَ) (الأعراف: 57)

# The Cycle of Water and life

- Water is the elixir of life. Without water there is no life as we know it.
- The cycle of water embraces evaporated, formation of clouds, condensation, rainfall, sustenance of life on earth and merging into the oceans.
- How did water appear on earth? How does it support life? There are Signs for the scientist at every stage of the cycle of water.
- The appearance of life in a dead earth when it is blessed with rain is a simile to the resurrection of human life on the Judgment Day.

# Ponder over the growth of vegetation

Do they not see  
That We drive the waters towards a  
parched earth,  
Then bring forth from it vegetation,  
From which eat their cattle as well  
as they themselves?  
Will they not see (with their inner  
eyes)?

Qur'an, 32:2

أَوَلَمْ يَرَوْا أَنَّا نَسُوقُ الْمَاءَ إِلَى الْأَرْضِ  
الْجُرُزِ فَنُخْرِجُ بِهِ زَرْعًا تَأْكُلُ مِنْهُ  
أَنْعَامُهُمْ وَأَنْفُسُهُمْ أَفَلَا يُبْصِرُونَ  
(السجدة: 27).

# The miracle of plant life

- A tiny acorn produces a mighty oak tree. How does it happen? What combination of moisture, air, temperature and soil makes a seed germinate? These are questions for the scientist.
- The splitting of a seed to bring up a shoot and plant a root is a moment of grace. The root attaches to the soil, the shoot grows and under right conditions becomes a plant bearing grain or a vine or a tree bearing fruit. The grain is food for humans and animals alike.

# Study how the earth supports life

- And a Sign for them is the earth that is dead.  
We give it life,  
And We bring forth from it crops of which you  
eat. (Qur'an, 36:33)

وَأَيَّةٌ لَهُمُ الْأَرْضُ الْمَيِّتَةُ أَحْيَيْنَاهَا  
وَأُخْرِجْنَا مِنْهَا حَبًّا قَمِيْنُهُ يَأْكُلُوْنَ  
(يس: 33).

- And We make in it gardens of  
dates and grapes,  
And We cause springs to gush forth from it,  
(Qur'an, 36:34)

وَجَعَلْنَا فِيْهَا جَنَّاتٍ مِّنْ نَّخِيْلِ  
وَأَعْنَابٍ وَفَجْرْنَا فِيْهَا مِّنَ الْعِيُوْنَ  
(يس: 34).

- So that they eat the fruits thereof.  
Lo! It is not their hands that produced them!  
Therefore, will they not be thankful?

لِيَأْكُلُوْا مِّنْ ثَمَرِهِ وَمَا عَمِلَتْهُ أَيْدِيْهِمْ  
(أَفَلَا يَشْكُرُوْنَ) (يس: 35).

(Qur'an, 36:35)

# The interconnectivity of life on earth

- How is it possible for the same acre of land to produce so many different kinds of flowers, grains, spices and fruit?
- Science asks these questions and leads the people of insight to a deeper understanding and profound gratitude.
- Not all the scientists of the world can together create a single grain of wheat. Every grain is a gift from the divine. The greater the insight into how God's grace works and produces food, the greater is the humility and gratitude of the soul. The true scientists are deeply spiritual as they delve deep into the Signs of nature, understand the interconnectivity in the vast web of life and contemplate the divine hikmah (wisdom) in creation.

# The sublime mystery of human origin

- Then, We created from the sperm a germ cell that clings,  
Then, We created from the germ cell an embryo,  
Then, We created from the embryo bones,  
Then, We covered the bones with flesh,  
Then, We make him appear as a new creation -  
So, glorified be Allah, the most Sublime Creator!

Qur'an 23:14

ثُمَّ خَلَقْنَا النُّطْفَةَ عَلَقَةً فَخَلَقْنَا الْعَلَقَةَ  
مُضْغَةً فَخَلَقْنَا الْمُضْغَةَ عِظَامًا  
فَكَسَوْنَا الْعِظَامَ لَحْمًا ثُمَّ أَنْشَأْنَاهُ خَلْقًا  
آخَرَ فَتَبَارَكَ اللَّهُ أَحْسَنُ الْخَالِقِينَ  
(المؤمنون: 14).

# The sublime mystery of human origin

What makes us human? That is a profound question that embraces both the spiritual and the physical.

The human is conceived by the fertilization of an egg by a sperm. He goes through a period of gestation and is transformed from an embryo to a fully developed baby. It is a wondrous transformation from an insignificant fertilized egg to a human with the potential to grow to be an adult human challenging the forces of nature.

Sublime is the creation of a human and hallowed be the Creator who creates such a wonderful creation!

# Ponder over human growth

- Behold! Allah brought you forth  
From the wombs of your mothers;  
You knew nothing,  
Then, He made for you hearing  
and sight and the (inner) hearts,  
So that you learn to be thankful.

Qur'an, 16:78

وَاللَّهُ أَخْرَجَكُمْ مِنْ بُطُونِ أُمَّهَاتِكُمْ لَا تَعْلَمُونَ شَيْئًا وَجَعَلَ لَكُمُ السَّمْعَ وَالْأَبْصَارَ وَالْأَفْئِدَةَ لَعَلَّكُمْ تَشْكُرُونَ  
(النحل: 78).

# The gifts of seeing, hearing, tongue and taste

- Natural science focuses on the physical origin and development of the human. From the DNA of an individual to the macro capabilities of seeing, hearing, speaking and feeling, there is one mystery upon another.
- How can a single cell grow into billions of cells, each discharging its function and supporting the faculties that enable a human to be a trustee of God on earth? Each of the faculties of the human – seeing, hearing, speaking, feeling is in itself a mystery, both physically and spiritually. Those who understand this – the scientists – are humbled by what they see and learn and are thankful.

# Reflect how every human is uniquely beautiful

Allah is He who made the earth a place of rest for you,  
And the heavens, a canopy,  
And made your faces (forms) the most beautiful of faces (forms),  
And gave you provisions wholesome,  
That is Allah, your Rabb;  
And most bountiful is Allah,  
The Creator, Sustainer and Cherisher of all the worlds. Qur'an, 40:64

اللَّهُ الَّذِي جَعَلَ لَكُمْ الْأَرْضَ قَرَارًا  
وَالسَّمَاءَ بِنَاءً وَصَوَّرَكُمْ فَأَحْسَنَ  
صُورَكُمْ وَرَزَقَكُمْ مِنَ الطَّيِّبَاتِ ذَلِكَ  
اللَّهُ رَبُّكُمْ فَتَبَارَكَ اللَّهُ رَبُّ الْعَالَمِينَ  
(غافر: 64)

# The uniqueness and beauty of the individual human

- Allah created the human genre from a single soul and created its mate and “from them twain scattered like seeds countless men and women”. There are more than seven billion of us on the planet at this time in history. Each of us is unique in shape, form, appearance, DNA, down to our thumb prints. What is astonishing is that from the primordial appearance of the human on earth until the Judgment Day there will not be another human being exactly like you or me. That is how unique and beautiful each of us is. Whether one is dark or light skinned, tall or short, European, African, American, Asian, it does not matter. The uniqueness remains. Each human is a sublime creation of God, unique in form, unique in spirit, responsible as an individual before the Creator.

# What is the purpose of the human on earth?

- “I created not beings of fire (the Jinn) and beings of clay (the human) except that they serve (worship) Me.” Qur’an 51:56

وَمَا خَلَقْتُ الْجِنَّ وَالْإِنْسَ إِلَّا لِيَعْبُدُونِ  
(الذاريات: 56)

- “I was an unknown treasure and I will that I be known. Therefore, I created the creation (that would know Me)”. Hadith e Qudsi

كنت كنزا لا أعرف، فأحببت أن أعرف،  
فخلقت خلقا

# What is the purpose of the human on earth?

- The probability of an earth-like planet in the known universe is one in billions. The probability of an individual human appearing on earth is one in a billion billions. So it is appropriate to ask: What is the purpose of the human race on earth? What is my individual purpose?
- The Qur'an answers these questions: I created not beings of energy and the human except to serve (know, adore, worship) Me. Thus the acquisition of knowledge and utilizing that knowledge to serve God and His creation is an obligation mandated by the Allah. It follows that scientific endeavor is sanctioned by divine guidance.

# Learn from your own origin

- And Allah has created you from clay,  
Then from a sperm.  
Then made you in pairs,  
And no female becomes pregnant,  
Nor does she give birth,  
Except with His knowledge,  
And no aged person adds years to his life,  
Nor does he lose any years,  
Except as has been decreed;  
Indeed, that is easy for Allah

Qur'an, 35:11

وَاللَّهُ خَلَقَكُمْ مِنْ تُرَابٍ ثُمَّ مِنْ  
نُطْفَةٍ ثُمَّ جَعَلَكُمْ أَزْوَاجًا وَمَا تَحْمِلُ  
مِنْ أَنْثَى وَلَا تَضَعُ إِلَّا بِعِلْمِهِ وَمَا  
يُعَمَّرُ مِنْ مُعَمَّرٍ وَلَا يُنْقَصُ مِنْ  
عُمُرِهِ إِلَّا فِي كِتَابٍ إِنَّ ذَلِكَ عَلَى  
(اللَّهُ يَسِيرٌ) (فاطر: 11)

# Learn from your own origin

- The human body is made up of the same elements as is the world at large. But these elements in the corpus are worthless in the market so much so that a dead body has to be disposed of by the community. However, a living body is priceless. Every human is a unique manifestation of Allah's creation.
- How does the body grow? How does it decay? What is the aging process? These are questions for science.
- When does a human come into this world? When does he die? These are questions in God's domain, determined by His decree in timeless, spaceless Book of Decrees (Qadr). The occurrence of life and death in space-time is called Qada (in the terminology of the Qur'an) or Kismet (in Turkish, Farsi, Urdu, Pushto). That is not the purview of science.

# Learn from the Bee



وَأَوْحَىٰ رَبُّكَ إِلَى النَّحْلِ أَنِ اتَّخِذِي مِنَ  
الْجِبَالِ بُيُوتًا وَمِنَ الشَّجَرِ وَمِمَّا يَعْرِشُونَ  
((النحل: 68)).

And your Rabb inspired the bee  
That you build your hives on mountain  
sides and in trees  
And from protective ledges  
Qur'an, 16:68

# Learn from the bee

- The bee embodies attributes of perseverance, cooperative endeavor, team work, leadership, learning, efficiency, service and adaptability. It has much to teach the human. The hexagonal close packed structure of the honeycomb is an extraordinary illustration of an efficient use of space and is used in space structures to increase stiffness and conserve weight. The bees are effectual gatherers of nectar and the honey they produce has nutritional and healing properties. They work cooperatively under the leadership of a queen bee, adapt easily to changed environments and are highly focused and task oriented.
- How can a bee possess such extraordinary attributes? These are questions for science.

# Learn from the ant

حَتَّىٰ إِذَا أَتَوْا عَلَىٰ وَادِي النَّمْلِ قَالَتْ  
نَمْلَةٌ يَا أَيُّهَا النَّمْلُ ادْخُلُوا مَسَاكِنَكُمْ لَا  
يَحْطِمَنَّكُمْ سُلَيْمَانُ وَجُنُودُهُ وَهُمْ لَا  
يَشْعُرُونَ (النمل: 18)

Until he came to a valley,  
One of the ants said: “O you ants!  
Get back into your homes  
So that Solomon and his armies do  
not trample you,  
While they perceive it not.  
Qur'an, 27:18



# Learn from the ant

- Have you not seen how an ant carries a grain up a slope? If it falters and loses the grain, it returns, picks it up, tries again and again until it successfully negotiates the slope.
- That is just an individual ant. A swarm of tiny ants build a huge ant hill? How do they accomplish it?
- Whether they are foraging for food or building a home for themselves, ants show an extraordinary ability to pass on signals, communicate, plan, share information, organize and work together with persistence and discipline.
- .
-

# Learn from the ant

- Many large international companies as well as armies have studied the behavior of ants to learn from them and organize their tasks to achieve the desired results.
- In the Qur'an the ants are shown speaking to one another, sharing information about an impending threat and how to escape the consequences of that threat.
- The Qur'an extols humankind to work together with patience and constancy towards justice (*wa tawasaw bil haq wa tawasaw bis sabr*). Humankind has much to learn from ants. That is science

# Learn from the composition of the earth

And He has made for you different colors in the earth (Of soils, rocks and vegetation), Indeed, in these are Signs for a people who expound and elucidate.

Qur'an, 16-13

وَمَا ذَرَأَ لَكُمْ فِي الْأَرْضِ مُخْتَلِفًا  
أَلْوَانُهُ إِنَّ فِي ذَلِكَ لَآيَةً لِّقَوْمٍ يَتَذَكَّرُونَ  
(النحل: 13).

# Geology as a Sign

- Colors displayed by rocks tell a story of their origin and their journey through space-time.
- The earth narrates its story through the variegated colors of rocks.
- Colors in soils and rocks are indicative of elements, minerals and compounds. They are mined for the benefit of humankind.
- Gems are used as jewelry. Marble is used to build the Taj Mahal. Silicon is used in integrated circuits.
- The stunning display of colors in rocks and soils beckons the soul to reflect on the One with the Most Beautiful Names who created such beauty in nature.

# Learn from the sun, the moon and the stars

وَالشَّمْسِ وَالْقَمَرِ وَالنُّجُومِ مُسَخَّرَاتٍ  
بِأَمْرِهِ (الأعراف: 54).

And the sun and the moon and  
the stars are subject to His  
command

Qur'an, 7:54



# Learn from the Shariah (the laws) governing the sun, the moon and the stars

- The sun, the moon and the stars follow the Shariah (the laws) of Allah who is *Rabb ul A'lameen*, the Lord of the heavens and the earth.
- The dynamic balance and justice in the heavens teaches the human to apply the same balance and justice (Shariah) in life on earth.
- The laws of the heavens are “knowable”. They teach the human something about his own origin.
- There are benefits in mastering the mathematical language of the heavens. Astronomy, physics, navigation, art, architecture move forward.
- A civilization that is in consonance with heavenly laws prospers. A civilization that is in dissonance with heavenly laws contracts and eventually disappears.

# Research Earthquakes

And He has established  
mountains on earth,  
So that (the earth) does not shake  
along with you  
(As in earthquakes),  
And streams, and clear paths,  
So that you find guidance.

Qur'an, 16-15

وَأَلْقَى فِي الْأَرْضِ رَوَاسِيَ أَنْ تَمِيدَ  
بِكُمْ وَأَنْهَارًا وَسُبُلًا لَعَلَّكُمْ تَهْتَدُونَ  
(النحل: 15).

# Earthquakes as a Sign

- Attention is drawn in this Ayah to the impact of earthquakes on mountains and valleys.
- The displacement of the earth (the shaking) is inversely proportional to the Modulus of the shaking material. In other words, a home built on solid rock shakes less than a house built on pliant earth.
- In addition, mountains act to “fix” the boundaries of the valleys in between, reducing their “effective” width and moderating the shaking.
- Earthquakes release an enormous amount of energy from deep underground and are devastating in their impact. A scientist studies the earthquakes, their origin, occurrence, frequency, intensity, soil conditions and helps build homes and buildings that are more earthquake resistant. He is also awed by the enormity of quakes and the tsunamis they generate. The knowledge increases his sensitivity to the *jalal* of the Creator.

# Learn from bird flight

Do you not see the birds riding the  
winds in the skies,  
None holds them up except Allah,  
Indeed, in that are Signs for a people  
Who have certainty of faith.

Qur'an, 16:79

أَلَمْ يَرَوْا إِلَى الطَّيْرِ مُسَخَّرَاتٍ فِي جَوِّ  
السَّمَاءِ مَا يُمْسِكُهُنَّ إِلَّا اللَّهُ إِنَّ فِي ذَلِكَ  
(آيَاتٍ لِّقَوْمٍ يُؤْمِنُونَ) (النحل: 79).

# Learn from the astonishing flight of birds over thousands of miles

- An appreciation of the wonder of bird flight requires a mastery of several disciplines: aerodynamics; ornithology; structural mechanics; oxygenation; energy transfer; guidance, navigation and control, to name but a few. The bar-tailed godwit flies about 7000 miles (11000 kilometers) without stopping anywhere. This extraordinary feat almost defies scientific comprehension. The birds weigh barely 300 grams (about three quarters of a pound). It “fattens” itself up to 600 grams (about 1.4 pounds) before a flight, burning off the “excess” 300 grams of fat during its flight of 7000 miles, which it covers in a week at an altitude of up to 20,000 feet.

# How does a bird fly longer distances than a Boeing 747 jet ?

- How is this feat possible? It was only recently that a Boeing 747 could travel such long distances without refueling.
- How does the bird navigate itself in the dark through rain, hailstorm, headwinds and snow?
- These are questions for science.

# Learn from cloud formation

• وَاللَّهُ الَّذِي أَرْسَلَ الرِّيحَ فَتُثِيرُ سَحَابًا فَسُقْنَاهُ إِلَى بَلَدٍ مَيِّتٍ فَأُحْيَيْنَا بِهِ الْأَرْضَ بَعْدَ مَوْتِهَا (كَذَلِكَ النُّشُورُ) (فاطر: 9)

- And Allah is He,  
Who sends the winds,  
And they raise up the clouds;  
Then We guide them towards a barren land,  
And We bring the earth to life after it is  
dead;  
That is how resurrection is!      Qur'an, 35:9



# Learn from cloud formation

- Cloud formation and movement occurs through a complex interplay of geothermal, electromagnetic, gravitational and celestial forces.
- Heat from the sun and other sources evaporates surface water from the oceans, lakes and moisture laden surfaces. As it rises, it cools and the vapor condenses. The rising air creates low pressure zones which attract air from high pressure zones, creating wind currents. The Coriolis force due to earth rotation impart a twist to wind velocity.

# Learn from cloud formation

- Cool, moisture laden air is driven to a parched land and comes down as rain, giving life to a dead earth. Even though enormous progress has been made in modeling the atmosphere, the prediction of rain in a specific location is still an art as much as science.
- The wonder of cloud formation and rain reinforces faith in God and His mercy. It is also a simile to life, death and resurrection.

# Learn from the mystery of your own senses

- Do they have feet with which they walk?  
Do they have hands with which they hold?  
Do they have eyes with which they see?  
Do they have ears with which they hear?      Qur'an, 7:195

أَلَهُمْ أَرْجُلٌ يَمْشُونَ بِهَا أَمْ لَهُمْ أَيْدٍ يَبْتَاطُونَ بِهَا  
أَمْ لَهُمْ أَعْيُنٌ يُبْصِرُونَ بِهَا أَمْ لَهُمْ آذَانٌ  
يَسْمَعُونَ بِهَا (الأعراف: 195).  
إِ

# The mystery of the Senses

- There is a mystery to the senses. It comes as a surprise to many that the sight is not in the eye, the hearing is not in the ear, the touch is not in the skin. They are somewhere else.
- Consider how the eye “sees”. A red rose absorbs all wavelengths from the sun except the ones around 0.6 micrometers. Electromagnetic waves of this wavelength travel through the air, received by the eye, hit the retina, excite the nerves which send a signal to the brain to sense the waves. Where is the “red” color in this physical description of wavelengths, eyeball, retina and nerves?. The beauty of color “red” is in the soul, not in the eyeball.

# The mystery of the Senses

- Similar is the case with hearing, tasting and touch. Seeing, hearing, touching and sensual feelings are attributes of the soul. They are gifts given by the Almighty so that the human can witness His majesty and beauty, be thankful and discharge his responsibilities as a trustee on earth.

# You are a trustee on earth.

Indeed, we offered the Trust  
To the heavens and the earth and  
the mountains,  
But they declined to carry it being  
afraid thereof,  
But the human accepted it,  
Indeed he exceeded his bounds  
and he was foolish

Qur'an, 33:72

إِنَّا عَرَضْنَا الْأَمَانَةَ عَلَى السَّمَاوَاتِ  
وَالْأَرْضِ وَالْجِبَالِ فَأَبَيْنَ أَنْ يَحْمِلْنَهَا  
وَأَشْفَقْنَ مِنْهَا وَحَمَلَهَا الْإِنْسَانُ إِنَّهُ كَانَ  
(ظَلُومًا جَهُولًا) (الأحزاب: 72).

# The human as a Trustee on earth

- What makes us human? Is it the absence of tail on our backs? Is it our thumb? Is it our ability to think? Is it our free will? Is it our Spirit gifted to us my God almighty? All of the above?
- There is no doubt that one of the major distinguishing attributes of the human is his ability to choose and to act in accordance with his choice.
- The human chose to accept “the Trust” and be a Trustee on earth. He carries this burden till the Judgment Day.
- To be a scientist to exercise this free will, to witness the attributes of God in His creation, to know them, use them and marvel at His grandeur, subtlety, majesty and beauty.

# Exercise your authority which is delegated to you by divine decree

- And He has placed under your authority  
What is in the heavens, and what is in the earth,  
All of it is from Him,  
Indeed, in that are Signs for a people who ponder.

Qur'an, 45:13

وَسَخَّرَ لَكُمْ مَا فِي السَّمَاوَاتِ وَمَا فِي  
الْأَرْضِ جَمِيعًا مِنْهُ إِنَّ فِي ذَلِكَ لَآيَاتٍ  
لِّقَوْمٍ يَتَفَكَّرُونَ (الجاثية: 13).

# Man has the delegated authority over “what is between the heavens and the earth”

- Reason is one of the most sublime gifts of Allah. Riding on the wings of reason the human reaches for the heavens and contemplates the Throne, the Tablet and the Pen.
- All that is between the heavens and the earth obeys God’s laws. Reason can comprehend those laws (science) and apply them for the benefit of man ( technology).
- Science is a method and a process for deciphering God’s laws in nature (the Shariah of nature) and applying those laws for societal benefit and discharge his responsibility towards plants, animals, the earth, air and water, as God’s trustee on earth.

# Study Science

Study Science.

Natural law is the Shariah of nature.

Master Science and you master the forces of nature.

Apply Science for societal benefit.

As a Trustee on earth, use Science to protect the environment.

It is the mandate from Allah.