

World Must Know about the Gigantic Contribution of Muslim Scientists in Laying Down of Foundations of Modern Sciences

Anwar Ul Haque

It is no exaggeration to say that modern sciences are standing on the solid platform established by the great Muslim scientists in the golden era of Muslim dominance (Dark ages in the West) (7th -14th centuries).^{1,2} Arabia which was barren till the end of 6th century became the center of excellence and accomplishments and the Arabs who were considered among the most backward in education and civilization suddenly became the pioneers and leaders in almost all fields of sciences and social sciences. Their inventions were peaceful and beneficial then and still profiting all human beings on this plant earth.

With a loud and thunderous big bang Arabia and entire Muslim empire suddenly became the most fertile land for education and research which literally produced hundreds of great scientists in almost all fields of sciences and social sciences over 7-8 centuries.^{1,2}

How life would have been different without these most fundamental inventions; take a glance.

- Can you imagine life today with 5 written as V and 10 as X, without decimal system and algebra? Arabic numbers 0-9 particularly proper use of Zero; the most fundamental invention in the world of science, mathematics, telephones, mobiles and computers. Not only Arabic numbers, creation of entirely new discipline of algebra and tremendous research in geometry, trigonometry changed the world in uncountable manner
- Muslims were the inventors of hydrochloric acid, sulfuric acid and nitric acid. Sulfuric acid is required for so many things in modern industry that its consumption is directly related to the industrial growth of a country. Its necessary for all batteries and plastic industry, where would have been batteries; plastic industry without sulfuric acid.
- Without tar coal where would have been all solid roads and without road lights how would you have travelled long distances particularly at night. While there was not a single paved road in entire

Europe, Spain had superb network of paved roads.

- Lenses were Muslim invention; without which where would have been telescopes, microscopes, endoscopes?
- Camera is Arabic name for a room. Without cameras where would have been the world of pictures?
- Modern hospitals, medical colleges, medicines, surgery anesthesia, residency programs and medical licensing are all Muslim inventions. Can one imagine modern medical treatment without these?
- Without camshaft how cars and other automobiles would have been running on the roads
- Astrolabes and compasses helped navigation of ships. Muslims living on earth were targeting the stars. Phenomenal work in astronomy opened the new paths.
- Watches and clocks are Muslim inventions; can you imagine life without these inventions
- Not to mention refreshing coffee, soaps, shampoos, fountain pens, delicate designs on dinner sets, stainless steel and robots etc. which are all Muslim inventions.

These are just a few out of thousands of most fundamental and basic inventions which shaped our modern life.³

No doubt some of these inventions were present before Muslims but they were quite rudimentary which Muslims of that age took to the skies. Paper was invented in China but Muslims invented methods to make it dirt cheap. Decimal system, trigonometry, astronomy and original idea of flying were Muslim inventions which were passed on to the Europe as renaissance and industrial revolution emerged as a reaction to very advanced Spain, Iraq and Egypt.

Then question must arise what made this big change in the deserts of Arabia and Persia in such a short span of time? In 6th century there was nothing and in 7th

there were numerous budding scientists mushrooming. There is only one answer to this most fundamental question and that is Quran and the final messenger of the God, who was walking Quran i.e., Muhammad (PBUH). Deliberate defamation and hiding of truth as admitted by Prince Charles created hatred toward Islam and Muslims; against the same very religion which pulled them out of dark ages. This has created enormous restlessness, confusion, death and destruction all over the world. Progress in Muslim era was beautifully balanced i.e., material & spiritual, almost greed free environment where highly motivated and ignited Muslim rulers and conquerors were dying to fund the research and education for no selfish gains. This spirituality kept the science on

straight track and not letting it get detracted very unlike of today's scientific growth which lacks spirituality and humanity. By keeping Muslims in turmoil, the world has deprived itself from very potential scientists and researchers and fruits of their potential research. All this must change.

References

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