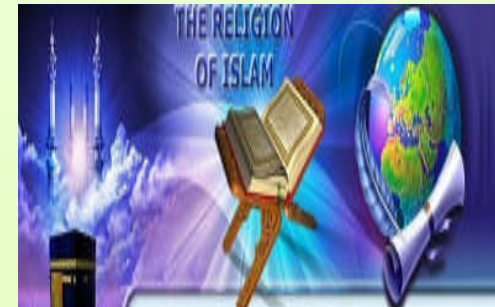


# Contributions of Muslims in the World – Part I

- Compiled

([manzoor@ndf.vsnl.net.in](mailto:manzoor@ndf.vsnl.net.in))



**Institute of Objective Studies**

**162, Jogabai Main Road,**

**Jamia Nagar, New Delhi - 110025**

# KHANA-E-KABA



# MASJID-E-NABVI (SAW) of MADINA



# **Index**

**1. Education**

**2. Sports**

# **1. Education**

# Great Muslims of the World

- [Kerim Kerimov](#), a founder of [Soviet Space Program](#), a lead architect behind first [Human Spaceflight](#) ([Vostok 1](#)), and the lead architect of the first [Space Stations](#) ([Salyut](#) and [Mir](#))
- [Farouk El-Baz](#), a [NASA](#) scientist involved in the first [Moon landings](#) with the [Apollo Program](#)
- [Jābir ibn Hayyān](#) (Geber), father of [Chemistry](#)
- [Al-Khwārizmī](#), Father of Al-Gabra, (Mathematics)
- [Ahmed H. Zewail](#), **Nobel Prize in Chemistry, 1999**
- [Atta ur Rahman](#), leading scholar in the field of Natural Product Chemistry
- [Muhammad Yunus](#), **Nobel Prize winner Bangladeshi Economist**; pioneer of [Microfinance](#)
- [Mahbub ul Haq](#), Pakistani economist; developer of [Human Development Index](#) and founder of [Human Development Report](#)
- [Abū Rayhān al-Bīrūnī](#), father of [Geodesy](#), considered first [Geologist](#) & first [Anthropologist](#)
- [Kerim Kerimov](#), a founder of [Soviet space program](#), a lead architect behind **first human spaceflight** ([Vostok 1](#)), and the lead architect of the **first space stations** ([Salyut](#) and [Mir](#))
- [Farouk El-Baz](#), a [NASA](#) scientist involved in the **first Moon landings** with the [Apollo program](#)

[http://en.wikipedia.org/wiki/List\\_of\\_Muslim\\_scientists](http://en.wikipedia.org/wiki/List_of_Muslim_scientists)

→ **Contd. on next slide**

# Great Muslims of the World

- **Abu al-Qasim al-Zahrawi** (Abulcasis) - father of modern Surgery, and pioneer of Neurosurgery, Craniotomy, Hematology and Dental Surgery
- **Avicenna** (Ibn Sina) (980-1037) - father of modern Medicine, founder of Unani medicine, pioneer of experimental Medicine, evidence-based Medicine, Pharmaceutical Sciences, Clinical Pharmacology, Aromatherapy, Pulsology and Sphygmology, and also a Philosopher
- **Ibn Zuhr** (Avenzoar) - father of experimental Surgery, and pioneer of experimental Anatomy, experimental Physiology, human Dissection, Autopsy<sup>[56]</sup> and Tracheotomy
- **Ibn al-Nafis** (1213–1288), father of Circulatory Physiology, pioneer of circulatory Anatomy, and founder of **Nafisian Anatomy**, Physiology, Pulsology and Sphygmology
- **Al-Jazari**, 13th century Civil Engineer, father of Robotics,<sup>[6]</sup> father of modern Engineering
- **Munir Ahmad Khan**, Father of Pakistan's Nuclear program
- **Abdul Kalam**, Indian aeronautical engineer and nuclear scientist
- **Abdus Salam**, Pakistani theoretical Physicist and **Nobel Prize winner(1979)**
- **Lotfi Asker Zadeh**, **Azerbaijanian**, Computer Scientist; founder of Fuzzy Mathematics and Fuzzy Set theory

[http://en.wikipedia.org/wiki/List\\_of\\_Muslim\\_scientists](http://en.wikipedia.org/wiki/List_of_Muslim_scientists)

# Muslim Astronomers and Astrophysicists

→ Contd. on next slide

- Khalid ibn Yazid (Calid)
- Jafar al-Sadiq
- Yaqūb ibn Tāriq
- Ibrahim al-Fazari
- Muhammad al-Fazari
- Naubakht
- Al-Khwarizmi, mathematician
- Ja'far ibn Muhammad Abu Ma'shar al-Balkhi  
(Albumasar)
- Al-Farghani
- Banū Mūsā (Ben Mousa)
  - Ja'far Muhammad ibn Mūsā ibn Shākir
  - Ahmad ibn Mūsā ibn Shākir
  - Al-Hasan ibn Mūsā ibn Shākir
- Al-Majriti
- Muhammad ibn Jābir al-Harrānī al-Battānī  
(Albatenius)
- Al-Farabi (Abunaser)
- Abd Al-Rahman Al Sufi
- Abu Sa'id Gorgani
- Kushyar ibn Labban
- Abū Ja'far al-Khāzin
- Al-Mahani
- Al-Marwazi
- Al-Nayrizi
- Al-Saghani
- Al-Farghani
- Abu Nasr Mansur
- Abū Sahl al-Qūhī (Kuhi)
- Abu-Mahmud al-Khujandi
- Abū al-Wafā' al-Būzjānī
- Ibn Yunus
- Ibn al-Haytham (Alhacen)
- Abū Rayhān al-Bīrūnī
- Avicenna
- Abū Ishāq Ibrāhīm al-Zarqālī (Arzachel)
- Omar Khayyám
- Al-Khazini

[http://en.wikipedia.org/wiki/List\\_of\\_Muslim\\_scientists](http://en.wikipedia.org/wiki/List_of_Muslim_scientists)



# Muslim Astronomers and Astrophysicists

- [Ibn Bajjah](#) (Avempace)
- [Ibn Tufail](#) (Abubacer)
- [Nur Ed-Din Al Betrugi](#) (Alpetragius)
- [Averroes](#)
- [Al-Jazari](#)
- [Sharaf al-Dīn al-Tūsī](#)
- [Anvari](#)
- [Mo'ayyeduddin Urdi](#)
- [Nasir al-Din Tusi](#)
- [Qutb al-Din al-Shirazi](#)
- [Ibn al-Shatir](#)
- [Shams al-Dīn al-Samarqandī](#)
- [Jamshīd al-Kāshī](#)
- [Ulugh Beg](#), also a Mathematician
- [Taqi al-Din Muhammad ibn Ma'ruf](#), Ottoman Astronomer
- [Ahmad Nahavandi](#)

- [Haly Abenragel](#)
- [Abolfadl Harawi](#)
- [Kerim Kerimov](#), a founder of [Soviet space program](#), a lead architect behind **first** [human spaceflight](#) ([Vostok 1](#)), and the lead architect of the **first** [space stations](#) ([Salyut](#) and [Mir](#))
- [Farouk El-Baz](#), a [NASA](#) scientist involved in the **first** [Moon landings](#) with the [Apollo program](#)
- [Sultan bin Salman bin Abdulaziz Al Saud](#)
- [Muhammed Faris](#)
- [Abdul Ahad Mohmand](#)
- [Talgat Musabayev](#)
- [Anousheh Ansari](#)
- [Amir Ansari](#)
- [Sultana Nurun Nahar](#), specialist in Atomic Astrophysics and Spectroscopy

[http://en.wikipedia.org/wiki/List\\_of\\_Muslim\\_scientists](http://en.wikipedia.org/wiki/List_of_Muslim_scientists)

# Muslim Chemists and Alchemists

- [Khalid ibn Yazid](#) (Calid)
- [Jafar al-Sadiq](#)
- [Jābir ibn Hayyān](#) (Geber), father of [Chemistry](#)
- [Abbas Ibn Firnas](#) (Armen Firman)
- [Al-Kindi](#) (Alkindus)
- [Al-Majriti](#)
- [Ibn Miskawayh](#)
- [Abū Rayhān al-Bīrūnī](#)
- [Avicenna](#)
- [Al-Khazini](#)
- [Nasir al-Din Tusi](#)
- [Ibn Khaldun](#)
- [Salimuzzaman Siddiqui](#)
- [Al-Khwārizmī](#), Father of Al-Gabra, (Mathematics)
- [Ahmed H. Zewail](#), **Nobel Prize in Chemistry, 1999**
- [Mostafa El-Sayed](#)
- [Atta ur Rahman](#), leading scholar in the field of Natural Product Chemistry

[http://en.wikipedia.org/wiki/List\\_of\\_Muslim\\_scientists](http://en.wikipedia.org/wiki/List_of_Muslim_scientists)

# Geographers and Earth Scientists

- Al-Masudi, the "Herodotus of the Arabs", & pioneer of Historical Geography
- Al-Kindi, pioneer of Environmental Science
- Ibn Al-Jazzar
- Al-Tamimi
- Al-Masihi
- Ali ibn Ridwan
- Muhammad al-Idrisi, also a Cartographer
- Ahmad ibn Fadlan
- Abū Rayhān al-Bīrūnī, the **father** of Geodesy, considered the **first** Geologist and **first** Anthropologist
- Avicenna
- Abd al-Latif al-Baghdadi
- Averroes
- Ibn al-Nafis
- Ibn Battuta
- Ibn Khaldun
- Piri Reis
- Evliya Çelebi
- Zaghloul El-Naggar

[http://en.wikipedia.org/wiki/List\\_of\\_Muslim\\_scientists](http://en.wikipedia.org/wiki/List_of_Muslim_scientists)

# Economists and Social Scientists

- [Abu Hanifa an-Nu'man](#) (699-767), [Economist](#)
- [Abu Yusuf](#) (731-798), Economist
- [Al-Farabi](#) (Alpharabius) (873–950), Economist
- [Al-Saghani](#) (d. 990), one of the earliest [Historians of Science](#)
- [Shams al-Mo'ali Abol-hasan Ghaboos ibn Wushmgir](#) (Qabus) (d. 1012), Economist
- [Abū Rayhān al-Bīrūnī](#) (973-1048), considered the first [anthropologist](#) and father of [Indology](#)
- [Ibn Sina](#) (Avicenna) (980–1037), Economist
- [Ibn Miskawayh](#) (b. 1030), Economist
- [Al-Ghazali](#) (Algazel) (1058–1111), Economist
- [Al-Mawardi](#) (1075–1158), economist
- [Nasīr al-Dīn al-Tūsī](#) (Tusi) (1201–1274), Economist
- [Ibn al-Nafis](#) (1213–1288), [Sociologist](#)
- [Ibn Taymiyyah](#) (1263–1328), Economist
- [Ibn Khaldun](#) (1332–1406), forerunner of [Social Sciences](#) such as [Demography](#), [Cultural History](#), [Historiography](#), [Philosophy of History](#), [Sociology](#) and [Economics](#)
- [Al-Maqrizi](#) (1364–1442), Economist
- [Akhtar Hameed Khan](#), [Pakistani](#) Social Scientist; pioneer of [Microcredit](#)
- [Muhammad Yunus](#), **Nobel Prize winner Bangladeshi economist**; pioneer of [Microfinance](#)
- [Mahbub ul Haq](#), Pakistani Economist; developer of [Human Development Index](#) and founder of [Human Development Report](#)

[http://en.wikipedia.org/wiki/List\\_of\\_Muslim\\_scientists](http://en.wikipedia.org/wiki/List_of_Muslim_scientists)

# Muslim Professionals and Educationists

→ Contd. on next page

- 1 Sir Ziauddin Ahmad Zuberi
- 2 Prof. Dr. Tanvir Ali
- 3 Mohammad Bashiruddin
- 4 Sadiq Husain
- 5 Prof Itrat Husain Zuberi
- 6 Dr Akhtar Mehmud
- 7 Dr Gulam Rasool Chaudhury
- 8 Dr Mehmood Alhasan Arif
- 9 Dr Chaudhury Mohammad Ayub
- 10 Dr Principal Azra Imitiaz
- 11 Dr Ghulam Ali
- 12 Zia Lahori
- 13 Dr Mehboob Alam
- 14 Dr Abdul Kadir
- 15 Dr Haider Ali

- 16 Chaudhury Mohammad Shafih
- 17 Saif Niaz
- 18 Hasan Aadal Khan
- 19 M. A. Zuberi
- 20 Nasar Ahmad Zuberi
- 21 Shamas Zuberi
- 22 Dr Taj Zuberi
- 23 Balal Ahmad Zuberi
- 24 A. A. Zuberi
- 25 Chouhdri Wahhab ud-din Amritsari
- 26 Muhammad Mohsin Iqbal
- 27 Alhaj Nasakh Saifi
- 28 Shafiq Al-Rehman
- 29 Atik-ul-Rehman
- 30 Khalik al Rehman

[http://www.enotes.com/topic/Muslim\\_Kamboh\\_professionals\\_and\\_educationists](http://www.enotes.com/topic/Muslim_Kamboh_professionals_and_educationists)

# Muslim Professionals and Educationists

- [31 Akhtar Sadiqi](#)
- [32 Chaudhury Mohammad Yusaf Hasan](#)
- [33 Dr Aijaz Ahmad](#)
- [34 Dr. Maqsood Ahmed Kamboh](#)
- [35 Prof Doctor Muhammad Iqbal Thind](#)
- [36 Mohammad Arshad Sayeed](#)
- [37 Prof Shafiq Ahmad](#)
- [38 Chadhury Mohammad Khurshid](#)
- [39 Dr Mohammad Rashid](#)
- [40 Prof Dr Mohammad Iqbal Thind](#)
- [41 Dr Aiyjaz Ahmad](#)
- [42 Dr Ishtiyak Husain](#)
- [43 Dr Mohammad Suleiman](#)
- [44 Dr Mohammad Jamshed](#)
- [45 Dr Mohammad Hafiz Khan](#)

- [46 Dr Aijaz Ahmad Chaudhury](#)
- [47 Prof Haroon Khan](#)
- [48 Sardar Husain Khan](#)
- [49 Ahmad-ud-din Maharavi](#)
- [50 Prof \(Dr\) M. Ilyas](#)
- [51 Ch Abdul Waheed](#)
- [52 Azhar Farooq Chaudhary](#)
- [53 Muhammad Kashif Ashfaq](#)
- [54 Dr. Allah Rakha Saghir](#)
- [55 Dr. Waqar Ahmed](#)
- [56 Dr. Tayyab Ahsan](#)
- [57 Talha Mohsan](#)
- [58 Tabraiz Hassan](#)
- [59 Ch. Muhammad Ramzan](#)
- [60 Ali Asghar](#)
- [61 Ch. Abdul Ghafoor](#)

[http://www.enotes.com/topic/Muslim\\_Kamboh\\_professionals\\_and\\_educationists](http://www.enotes.com/topic/Muslim_Kamboh_professionals_and_educationists)

# Major Muslim Mathematicians in Medieval Islam

- [Muhammad ibn Mūsā al-Khwārizmī](#) (c. 780 – c. 850)
- ['Abd al-Hamīd ibn Turk](#) (fl. 830) (Quadratics)
- [Thabit ibn Qurra](#) (826–901)
- [Abū Kāmil Shujā ibn Aslam](#) (c. 850 – 930) (Irrationals)
- [Abū Sahl al-Qūhī](#) (c. 940–1000) (Centers of gravity)
- [Abu'l-Hasan al-Uqlidisi](#) (952 – 953) (Arithmetic)
- ['Abd al-'Aziz al-Qabisi](#)
- [Abū al-Wafā' Būzjānī](#) (940 – 998) (Spherical Trigonometry)
- [Al-Karaji](#) (c. 953 – c. 1029) (Algebra, Induction)
- [Abu Nasr Mansur](#) (c. 960 – 1036) (Spherical Trigonometry)
- [Ibn Tahir al-Baghdadi](#) (c. 980–1037) (Irrationals)
- [Ibn al-Haytham](#) (ca. 965–1040)
- [Abū al-Rayhān al-Bīrūnī](#) (973 – 1048) (Trigonometry)
- [Al-Khayyam](#) (1048 – 1131) (Cubic Equations, Parallel Postulate)
- [Ibn Yahyā al-Maghribī al-Samawal](#) (c. 1130 – c. 1180)
- [Sharaf al-Dīn al-Tūsī](#) (c. 1150 – 1215) (Cubics)
- [Naṣīr al-Dīn al-Tūsī](#) (1201 – 1274) (Parallel Postulate)
- [Jamshīd al-Kāshī](#) (c. 1380 – 1429) (Decimals)

[http://en.wikipedia.org/wiki/Mathematics\\_in\\_medieval\\_Islam](http://en.wikipedia.org/wiki/Mathematics_in_medieval_Islam)

# 2. Sports



# Muslims Best Football Players

- \* **Abel Xavier**
- \* **Eric Abidal**
- \* **Franck Ribery**
- \* **Frederic Kanoute**
- \* **Hasan Salihamidzic**
- \* **Hatem Ben Arfa**
- \* **Ibrahim Afellay**
- \* **Karim Benzema**
- \* **Khalid Boulahrouz**

- \* **Kolo Toure**
- \* **Lee Woon-Jae**
- \* **Mahamadou Diarra**
- \* **Nicolas Anelka**
- \* **Samir Nasri**
- \* **Seydou Keita**
- \* **Sulley Muntari**
- \* **Yaya Toure**
- \* **Zinedine Zidane**

<http://muslimsoccer.blogspot.com>.

## List of Famous Muslim Football Soccer Players

**Mesut Ozil** that is a famous Young German Player is also a Muslim and special thing about him is that he Recites Holy Quran before each match. According to him Reading Holy Quran Before matches gives him more power to play in match well. Following are the names of some famous Muslim Football players:

### **1 Nicolas Anelka**

French Footballer and was converted to Islam in 2004 and his Islamic Name is Bilal.

### **2 Franck Ribery**

Famous French Footballer who also converted to Islam. His Islamic Name is Bilal Ahmed.

**3 Zinedine Zidane:** Great French Footballer, played Major role in France World Cup win, 1998.

**4 Mesut Ozil:** Young Germany Footballer who is called next Diego.

### **5 Kolo Toure**

He Plays for Arsenal Football Club and wishes to become Role Model for British Muslim Youngsters.

**6 Frederic Kanoute:** French Footballer and a Practicing Muslim.

**7 Mehmet Scholl:** Famous Former Germany Football Player.

**8 Christian Negouai:** French Footballer and a Muslim while having Name Christian.

**9 Hakan Şükür:** Former Great Turkish Football Player.

<http://islam44.blogspot.com/2010/08/list-of-famous-muslim-football-soccer.html>

## 20 Greatest Innovations by Muslims

1) <b>Coffee</b>	An Arab named Khalid was first who invented coffee. The Arabic qahwa became the Turkish kahve then the Italian caffè and then English coffee.
2) <b>Pin-Hole Camera</b>	The first person to realise that light enters the eye, rather than leaving it, was the 10th-century Muslim mathematician, astronomer and physicist Ibn al-Haitham. He invented the first pin-hole camera.
3) <b>Chess</b>	The game was developed into the form we know it today in Persia.
4) <b>Parachute</b>	A Muslim poet, astronomer, musician and engineer named Abbas ibn Firnas
5) <b>Shampoo</b>	Arabs combined vegetable oils with sodium hydroxide and aromatics such as thyme oil. Shampoo was introduced to England by a Muslim who opened Mahomed's Indian Vapour Baths on Brighton seafront in 1759.
6) <b>Refinement</b>	Distillation, the means of separating liquids through differences in their boiling points, was invented around the year 800 by Islam's foremost scientist, Jabir ibn Hayyan.
7) <b>Shaft</b>	An ingenious Muslim engineer called al-Jazari to raise water for irrigation.
8) <b>Metal Armor</b>	It certainly came to the West via the Crusaders.
9) <b>Pointed Arch</b>	The pointed arch so characteristic of Europe's Gothic cathedrals was an invention borrowed from Islamic architecture. Henry V's castle architect was a Muslim.
10) <b>Surgery</b>	Many modern surgical instruments are of exactly the same design as those devised in the 10th century by a Muslim surgeon called al-Zahrawi.

Contd. on next slide →

## 20 Greatest Innovations by Muslims

<b>11) Windmill</b>	The windmill was invented in 634 for a Persian caliph and was used to grind corn and draw up water for irrigation.
<b>12) Vaccination</b>	The technique was devised in the Muslim world and brought to Europe from Turkey in 1724.
<b>13) Fountain Pen</b>	The fountain pen was invented for the Sultan of Egypt in 953 .
<b>14) Numerical Numbering</b>	The style of the numerals is Arabic and first appears in print in the work of the Muslim mathematicians al-Khwarizmi and al-Kindi around 825.
<b>15) Soup</b>	Ali ibn Nafi, known by his nickname of Ziryab (Blackbird) came from Iraq to Cordoba in the 9th century and brought with him the concept of the three-course meal - soup, followed by fish or meat, then fruit and nuts.
<b>16) Carpets</b>	Muslims advanced weaving techniques, new tinctures from Islamic chemistry and highly developed sense of pattern and arabesque which were the basis of Islam's non-representational art.
<b>17) Pay Cheques</b>	The modern cheque comes from the Arabic saqq, a written vow to pay for goods when they were delivered.
<b>18) Earth is in sphere shape</b>	By the 9th century, many Muslim scholars took it for granted that the Earth was a sphere.
<b>19) Rocket and Torpedo</b>	By the 15th century Muslims had invented both a rocket, which they called a "self-moving and combusting egg", and a torpedo - a self-propelled pear-shaped bomb with a spear at the front.
<b>20) Gardens</b>	It was the Arabs who developed the idea of the garden as a place of beauty and meditation. The first royal pleasure gardens in Europe were opened in 11th-century Muslim Spain.

# Thanks

**IOS**

The background of the slide features a landscape of rolling hills and mountains, all rendered in various shades of blue, creating a misty or atmospheric effect. In the center of this landscape, there is a rectangular box with a red-to-white gradient background and a thin black border. Inside this box, the letters 'IOS' are written in a bold, black, serif font.