Contribution of Muslim Scientists to the World: An Overview of Some Selected Fields

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ABSTRACT

Abstract

The Qur’an, which is the foundation of Islamic teachings, places great importance on the pursuit of knowledge. Muslim scholars in the past were very much aware of, and inspired by, the instruction given by Allah (s.w.t.) to pursue knowledge. They developed many ideas and theories in various fields of knowledge. This paper sheds light on some of the intellectual and scientific contributions made by Muslim scholars, with emphasis on their achievements in the fields of mathematics, physics and medicine.

Keywords: Muslim scientists, natural science, contributions of Muslims to science.

Abstrak

Al-Qur’an sebagai pegangan asas bagi pengajaran Islam menekankan peri pentingnya mengejar ilmu pengetahuan. Sarjana Muslim masa lampau amat sedar tentang arahan ini yang disampaikan oleh Allah (s. w. t.) dan mereka sangat tertarik dengannya. Mereka telah berjaya mencetuskan banyak idea dan teori dalam pelbagai bidang ilmu pengetahuan. Kertas ini akan cuba memaparkan usaha dan kemajuan dalam beberapa bidang yang diterokai oleh sarjana Muslim. Namun, tumpuan akan diberi pada sumbangan sarjana Muslim dalam bidang Matematik, Fizik dan Perubatan sahaja. Dengan mengingati ketokohan dan sumbangan para sarjana Muslim ini, mudah-mudahan sarjana dalam masyarakat Muslim kini akan ter dorong untuk berjaya.

Kata kunci: saintis Muslim, sains tabii, sumbangan Muslim kepada sains
Muslim scientists and inventors, including Arabs, Persians and Turks, were probably hundreds of years ahead of their counterparts in the European Middle Ages. They drew influence from Aristotelian philosophy and Neo-platonists, as well as Euclid, Archimedes, Ptolemy and others. The muslims made innumerable discoveries and wrote countless books about medicine, surgery, physics, chemistry, philosophy, astrology, geometry and various other fields. Persian philosopher and scientist known for his contributions to Aristotelian philosophy and medicine. Advertisements. Ibn Battuta (1304 – 1369). Arab astronomer and mathematician known for his important contributions to the principles of optics and the use of scientific experiments. Ibn Zuhr (1091 – 1161). 1. Contribution of Muslim Scientists and Engineers in the field of science
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2. Timeline of science and engineering in the Islamic world
8th Century First pharmacy & drug store open in Islamic world
First library named Baith-ul-Hikma open in Islamic world
First hospital open in Islamic world name Bimeristan
First telescope was invented
Declared that Earth is sphere
Algorithm was founded.
3. 9th Century First attempt on flight was made
Windmill was invented
First university open in Islamic world
Clock was invented
10th Century Graph paper was invented
First sugar ref