

## **The Impact of the Andalusian Industrial Revival on the Western Civilization**

The Development of Weapons Industry

Dr/ Mohamed Mohey El\_Din Mahmoud Mohamed

Lecturer at the Faculty of App. Arts - Beni Suf uni.

### **Abstract:**

Many Islamic scientists sought after gaining as much as they could from both religious and mundane sciences.

Engineering, architectural, medical, chemical, geographical and agricultural sciences are examples of sciences having a great impact on the Islamic civilization.

At the time the Islamic civilization was brightly flashing as if it was a star in the sky, the western countries were suffering from a decline in the living conditions, ignorance, poverty, poor services and living conditions could be easily noticed.

The Arabs thought of a way to strengthen the stability and protect the Islamic state from any destructive forces or ideologies.

Seeking for the above, the Islamic scientists sought of using their knowledge and experience especially in the chemical and engineering fields to innovate newly effective methods capable of preserving their countries and civilization. The way of using gunpowder in weapons could be stated as one of the most prominent inventions supporting that trend.

The ignorance of some western historians that the gunpowder was firstly used by Arabs in weapons and firearms, and the attempt of attributing that to a western scientist as Marcos Gracos or Roger Bacon could be identified as the research problem.

The research aims to root the origin of using gunpowder in weapons and firearms to the Arabs, which has led to the wide spread of a stable, long living Islamic civilization, having an architectural, industrial, cultural and artistic contributions, which has always been a subject of study, admiration and a source of inspiration for various western civilizations.

Keywords: -

Gunpowder - Hand cannon - Harquebus - Matchlock