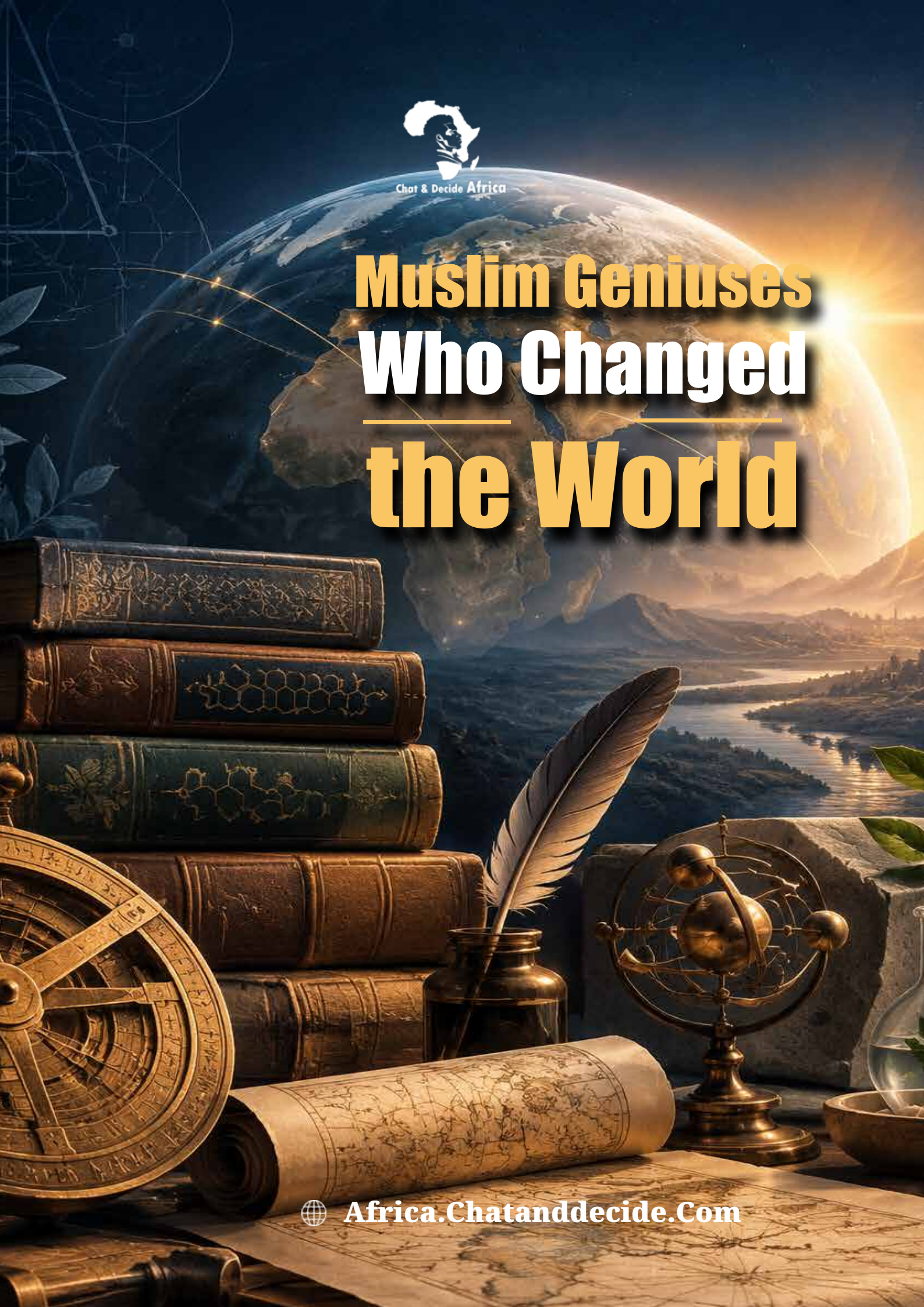
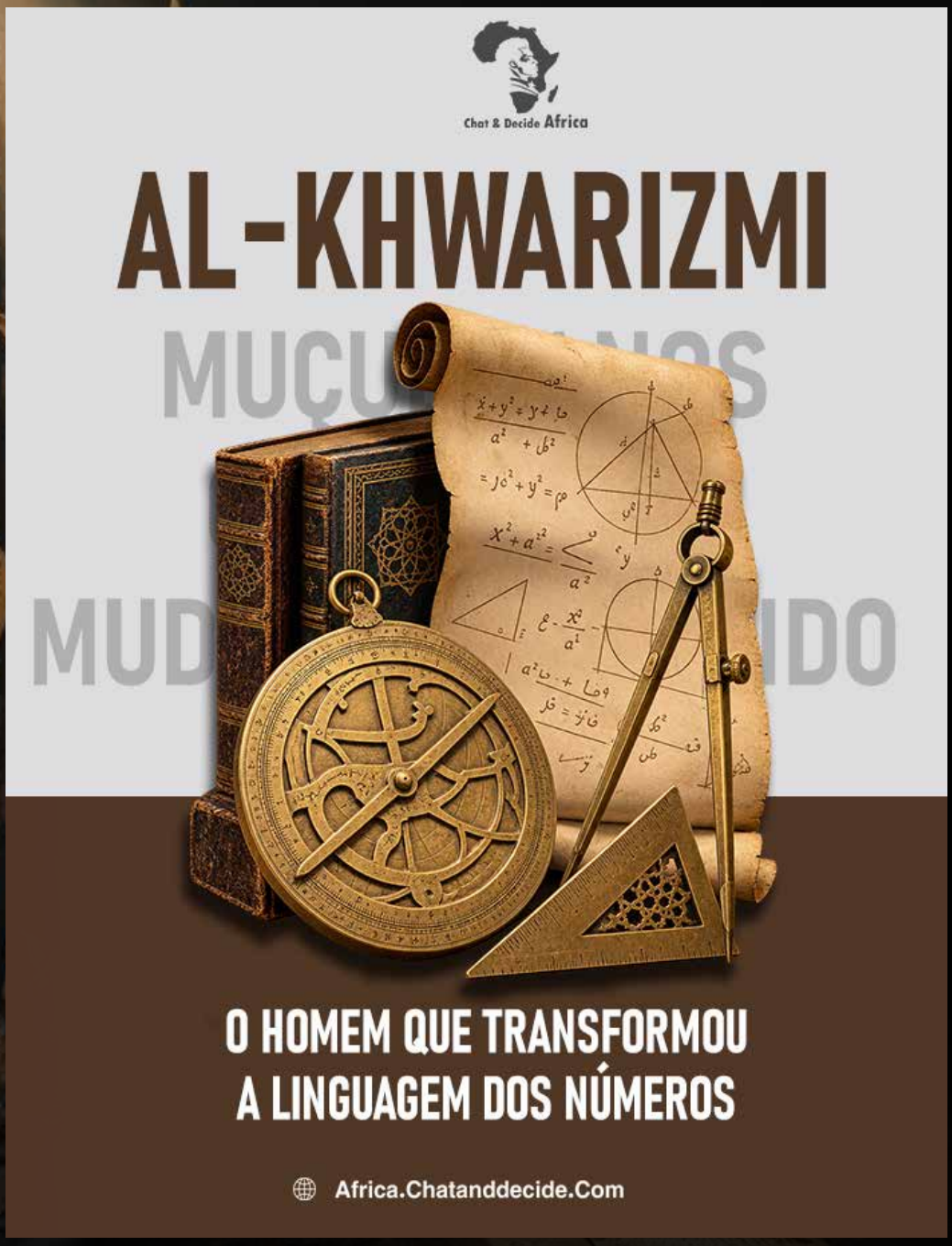

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Muslim Geniuses
Who Changed
the World
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Al-Khwarizmi:

The Man Who Changed the Language of Numbers

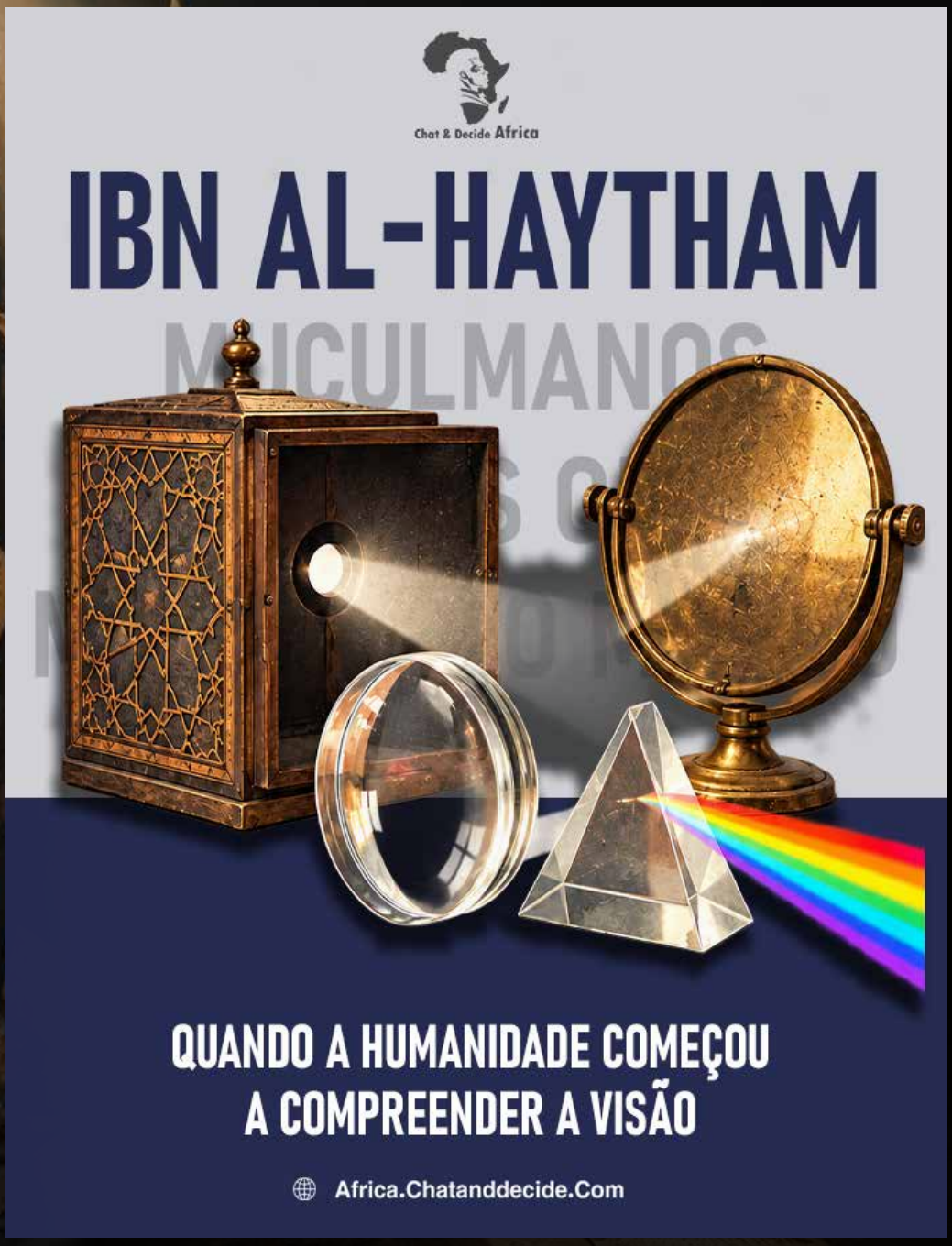
From Baghdad, Muhammad ibn Musa al-Khwarizmi left an influence that is still felt today.

He was one of the great mathematicians, and his work on algebra helped establish the field, while his name is also linked to the origin of the word “algorithm.”

His scholarship extended beyond mathematics to astronomy and geography.
A Muslim scholar whose ideas changed the way the world calculates.



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Ibn al-Haytham:
When Humanity Began to Understand Vision

Ibn al-Haytham devoted much of his life to studying light, vision, reflection, and mirrors.

His work in optics became some of the most important scientific scholarship of the medieval period, alongside contributions to mathematics and astronomy.

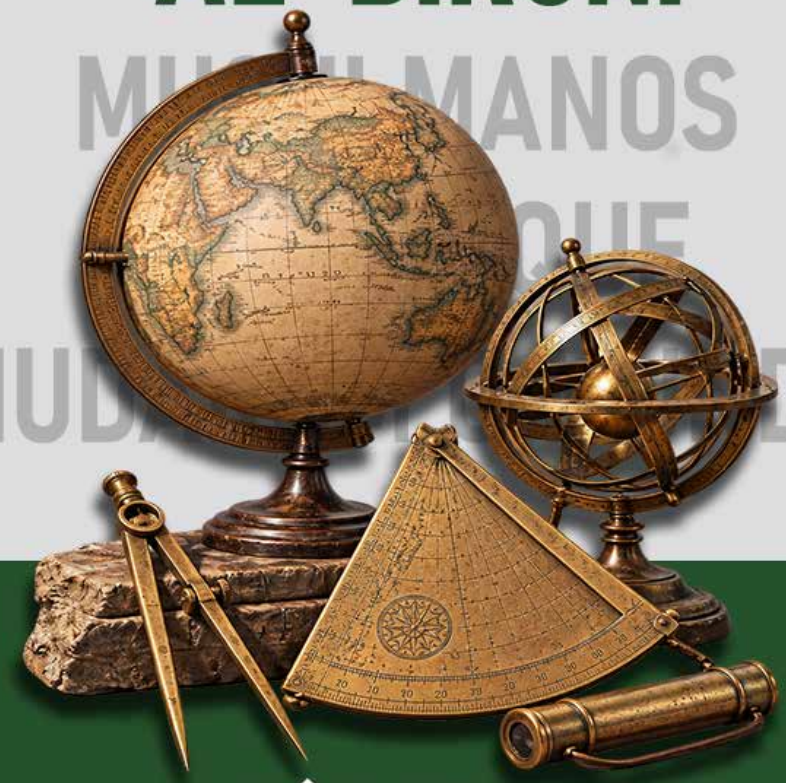
Rather than simply repeating earlier ideas, he examined, tested, and questioned phenomena for himself.

His name remains one of the most important in the history of optics.



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AL-BIRUNI



O GÊNIO QUE MEDIU O MUNDO ATRAVÉS DA CIÊNCIA

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Al-Biruni:

The Genius Who Measured the World with Science

Abu Rayhan al-Biruni was a polymath whose work spanned mathematics, astronomy, geography, physics, and history.

He made careful observations of the Sun and stars, worked on measuring locations and the dimensions of Earth, and studied India, its culture, and its sciences in remarkable depth.

He moved across many fields while leaving a clear scientific mark in each.

A striking example of a scholar whose curiosity knew few boundaries.



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AL-ZAHRAWI



QUANDO A CIRURGIA SE TORNOU UMA CIÊNCIA MAIS PRECISA

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Al-Zahrawi:

When Surgery Became a More Precise Science

In al-Andalus, the Muslim physician
Abu al-Qasim al-Zahrawi emerged as one of the greatest surgeons of his age.

In his medical encyclopedia Al-Tasrif, he devoted a major section to surgery and described surgical instruments and procedures.

His work was translated into Latin and influenced European physicians for centuries.

His legacy earned him a lasting place in the history of surgery.



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AL-JAZARI



MÁQUINAS QUE SE MOVIAM ANTES DA ERA DOS MOTORES

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Al-Jazari:
Moving Machines Before the Age of Engines

Centuries before the Industrial Revolution, al-Jazari designed water clocks, water-raising machines, and remarkable mechanical devices.

He gathered his designs in a famous book explaining dozens of machines and how they were built and operated.

These were not merely sketches, but practical engineering solutions that reveal the advanced mechanical knowledge of Islamic civilization.




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ABBAS
IBN FIRNAS
O HOMEM QUE TENTOU
VOAR
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Abbas ibn Firnas:
The Man Who Tried to Fly

Abbas ibn Firnas lived in al-Andalus and was a scholar and inventor interested in astronomy, engineering, and materials.

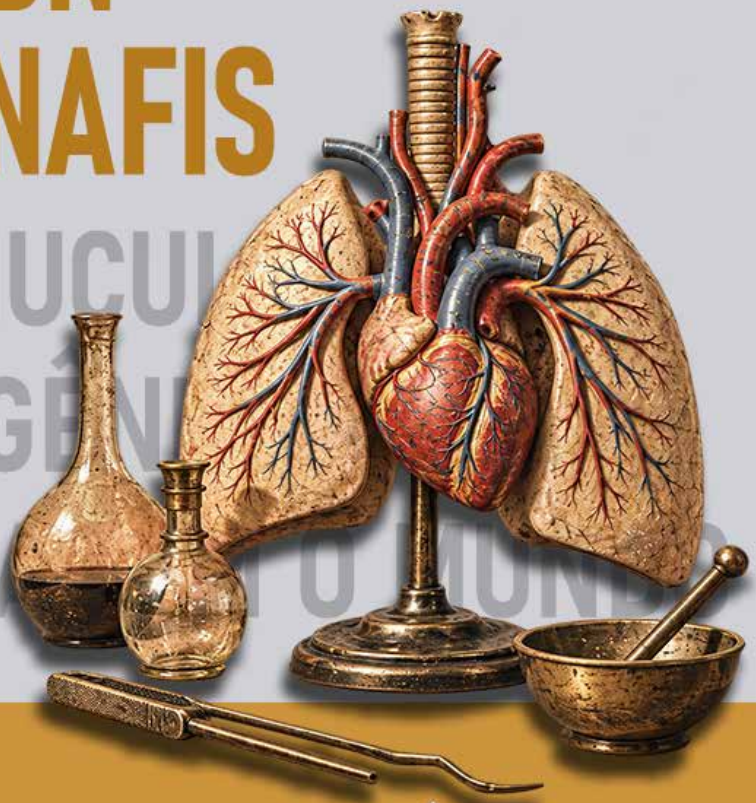
Historical accounts associate him with a famous experiment in unpowered flight, linking his name for centuries with humanity's dream of flying.

He was also credited with work involving glass, astronomy, and other fields.



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IBN AL-NAFIS



UMA DESCOBERTA MÉDICA À FRENTE DO SEU TEMPO

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Ibn al-Nafis:
A Medical Discovery Ahead of Its Time

The physician Ibn al-Nafis studied the heart and lungs and gave an important description of how blood passes through the lungs, what became known as pulmonary circulation.

Rather than simply repeating earlier medical authorities, he challenged some of their ideas and proposed a different understanding of blood flow.

This achievement stands among the great chapters in the history of Islamic medicine.



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AL-IDRISI



O MAPA QUE SURPREENDEU A IDADE MÉDIA

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Al-Idrisi:

The Map That Amazed the Medieval World

Muhammad al-Idrisi spent years gathering information about lands, seas, roads, and distances.

At the court of Roger II in Sicily, he produced his famous geographical work and the Tabula Rogeriana, one of the most advanced world maps of its age.

By combining travelers' reports, geographic sources, and systematic research, he left a remarkable legacy in cartography."



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AL-FARGHANI



QUANDO A ASTRONOMIA VIAJOU DE BAGDÁ PARA A EUROPA

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Al-Farghani:

When Astronomy Traveled from Baghdad to Europe

Ahmad al-Farghani was one of the leading astronomers of the Abbasid era.

He wrote an important introduction to astronomy that circulated widely and was later translated into Latin, where he became known as Alfraganus.

He also wrote on astronomical instruments and was associated with engineering work in Egypt.
His scientific legacy crossed languages and centuries.



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IBN AL-BAYTAR



O CIENTISTA QUE BUSCAVA MEDICAMENTOS ENTRE AS PLANTAS

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Ibn al-Baytar:

The Scholar Who Searched for Medicine Among Plants

Ibn al-Baytar traveled through al-Andalus, North Africa, and the eastern Mediterranean studying plants and medicines firsthand.

He compiled his knowledge in a major encyclopedia of drugs and foods covering around 1,400 medicinal and nutritional substances, drawing on many earlier sources as well as his own observations.

He became one of the greatest botanists and pharmacologists of Islamic civilization.

