

Malachite Timeline

10000 BCE: Malachite disc found in Iraq in Shanidar Valley.

9000 BCE: Malachite beads found in a necklace in Jericho.

4500 BCE: Copper plays a key role in the development of the Bronze Age.

4000 BCE: Malachite mining in Egypt in the Sinai Peninsula and Suez.

3000 BCE: Malachite is known in China and mined in Hubei and Guangdong.

2000 BCE: Malachite mining in Israel in Timna Valley and trade from Ural Mountains.

5th Century BCE: Malachite mining in Garanganze, now known as Katanga Congo, and copper objects like Handa used for trade.

371-287 BCE: Theophrastus, a Greek philosopher, wrote a treatise, *Peri Lithon* (*On Stones*), found in the writings of Aristotle. Malachite, called false smaragdus, was among the materials discussed.

23-79 CE: Gaius Plinius Secundus, a Roman author and naturalist, wrote *the Natural Historia* (*Natural History*). Pliny referred to malachite as molochitus after the mallow plant.

3rd to 6th Century Graeco-Roman trade routes from the Urals bring malachite used for decorative objects, amulets, and eye makeup.

973-1050 CE: Al-Bīrūnī, an Iranian scientist, penned *Kitāb Al Jamāhir* (*Book of Precious Stones*). Malachite was described as dahanj.

1020-1101 CE Su Song, an expert in medicine and science, edited the 10th-century compendium Ben Cao Tu Jing (*The Atlas of Materia Medica*). Malachite was named lvqing or shilv for its green color.

Pre-Colombian Central and South Americans used malachite to decorate tombs, jewelry, and for protection.

1550-1632 CE: Anselmus Boëtius de Boodt, a Belgian gem expert and physician, authored *Gemmarum et Lapidum Historia (History of Gems and Stones)*. Malachite was included.

18th and 19th Century Height of malachite mining in Russia

1835 CE: The fine of malachite Nadezhnaya pit in Mednorudyansky mine in Ural Mountains provides material to create pillars of malachite and azurite.

1880 CE: Mines in Bisbee, Arizona, begin producing gold, silver, copper, and copper minerals like malachite and azurite.

1957-2018 CE: V.B. Semenov, a Russian author, published a two-volume set, *Malakhit (Malachite)*, on the history and use of malachite in architecture, jewelry, and decorative arts.