

Mark Antonacci

J.D., John Marshall Law School, 1977

Founder and President, Test the Shroud Foundation, St. Louis, Missouri.

Attorney at Law, Author of *Test the Shroud* and *The Resurrection of the Shroud*

antonaccilaw@aol.com

www.testtheshroud.org

Mark has studied all aspects of the Shroud for 37 years. For two decades, he has proposed that new, non-destructive or minimally-invasive tests be adapted and applied to the Shroud because they could not only prove its age, but what caused all the unique features throughout its unparalleled body images and blood marks. These techniques could even prove whether an unprecedented radiating event occurred to the multiply-wounded, crucified corpse in this cloth, which not only encoded all of these features, but left unforgeable evidence of when, where, and to whom all of these events occurred.

ABSTRACT**Testing the Shroud and the Sudarium at the molecular and atomic levels
could yield abundant scientific evidence of a miraculous event**

Testing the Shroud and the Sudarium at the molecular and atomic levels would yield the most information ever acquired from these cloths, and could answer some of the most important and outstanding issues regarding the Shroud. If these two cloths were examined at the molecular level by hyper- or multi-spectral imaging, these non-destructive techniques could identify every fiber of every thread on both sides of each cloth, and what is on them. Molecular microscopy could identify any natural or artificial products on the cloths and whether these products could have effected or caused the Shroud's unique full-length body images, or skewed its radiocarbon dating done in 1988. In addition, this testing could identify if the side strip is an original part of the Shroud; whether there is actual discoloration at the locations claimed to have coin features, flower parts, or body features on the outer side; whether the cloths contain additional pollen or limestone; whether the Shroud has two sets of water stains from two different occasions; and many other items. These techniques could also determine if the body images, the cloths or the materials on them have been irradiated. If these cloths were irradiated with one of several forms of low energy radiation, then testing the Shroud and its various abundant materials at the atomic levels could provide substantiated scientific evidence to support the occurrence of a momentous and miraculous event. For example, this testing could prove whether the entire Shroud was irradiated with neutrons; whether the neutrons emanated from the length, width, and depth of the corpse wrapped within it; the actual age of both cloths; when this event occurred; where it happened; and the identity of the victim.