



NIST Interagency Report NIST IR 8352sup4

Bitemark Analysis Reference List

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Abstract

This report provides supplemental information to NISTIR 8352 **Bitemark Analysis: A *NIST Scientific Foundation Review***. Publicly available resources relating to bitemark analysis were collected to assist in the review of the scientific foundations of bitemark analysis conducted by the National Institute of Standards and Technology (NIST). Over 400 sources were collected from literature searches and input from previous efforts by the National Institute of Justice Forensic Technology Center of Excellence, the American Board of Forensic Odontology (ABFO), and other public resources. This reference list is meant as a resource for the odontology community and interested stakeholders but does not represent an exhaustive compilation of the literature pertaining to bitemark analysis.

Keywords

bitemark; forensic odontology; pattern evidence; dentition; dental morphology; forensic science; scientific foundation review.

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1. Introduction

This reference list was compiled to assist in the review of the scientific foundations of bitemark analysis conducted by the National Institute of Standards and Technology (NIST) and serves as supplemental information to NISTIR 8352 **Bitemark Analysis: A NIST Scientific Foundation Review**. A variety of sources contributed to this list:

- The National Institute of Justice Forensic Technology Center of Excellence within RTI International compiled a list of over 100 peer-reviewed journal articles relevant to bitemark analysis. A final list was provided to NIST from RTI in April 2021.
- The American Board of Forensic Odontology submitted a list in 2011 in response to a request by the Subcommittee on Forensic Science (Butler 2015).
- Mary Bush, Peter Bush, and Iain Pretty submitted an annotated bibliography to the Texas Forensic Science Commission (TXFSC 2016)
- A NIST-led literature search covering the years 2010-2021 was conducted to obtain current literature relating to bitemark analysis.

After duplicate references were eliminated, a total of 403 unique bitemark references remained in this list. While this list is intended as a resource for the forensic odontology community and other interested stakeholders, it is not exhaustive. Resources that were in a language other than English, not publicly available, or published after February 2022 are not included in this list. DOI information is provided where available.

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