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Informative web Resources on the subject of Forensic Science.

Dr U D Rana

A. Librarian, NFSU, Gandhinagar

The term webliography is commonly used when discussing online resources. The purpose of this is to provide key electronic resources in the area of Forensic sciences. followed a mixed research approach and collected primary data by literature, the internet. also discusses some of the best resources on the web for forensic science research and information. Which relate to locate, evaluate, organize, and use effectively. It is Essential for information literacy and technology integration in the specific area of the subject.

Keyword: Webliography, E-Resources, Forensic science-, Forensic Anthropology, Forensic Botany

Introduction

Forensic "comes to us from the Latin **forensus**, meaning "of the forum." In Ancient Rome, the forum was where governmental debates were held, but it was also where trials were held. It was the courthouse. Forensic science is the use of science to solve criminal cases. It is also called criminalistics or crime scene investigation. Forensic science is actually an umbrella term that indicates the use of applied science in matters of criminal, and sometimes, civil law. It can include the use of many disciplines, such as anthropology, biology, botany, chemistry, computer science, engineering, entomology, genetics, medicine, and toxicology. This guide highlights the diversity of the scientific professions and disciplines used in investigations and provide sources on the general practice of criminalistics. Also included is information on ballistics, firearm examination, and scientific examination of documents. So forensic science has come to mean the application of the natural and physical sciences to the resolution of conflicts within a legal setting. The forensic sciences refer to a group of subspecialties in science and medicine that apply their principles and methods to legal questions of a criminal or civil nature". Forensic science includes, but is not limited to, pathologists, psychiatrists, odontologists, toxicologists, molecular biologists, entomologists, and criminalists. Practitioners are finding themselves increasingly in demand in the courtroom as expert witnesses. With the advent of shows such as forensic science sites on the Web have multiplied exponentially. Sites are produced by government and professional organizations and forensic specialists, as well as by forensic scientist aspirants.

Scope & Methodology

This webliography is written for librarians who serve a scientific or technical clientele, and any person interested in learning more about forensic science information services. The scope of this webliography is to point people to some of the best resources on the web for forensic science research and information. This is by no means

comprehensive, and is focused on web sites based among the globe. Some of the annotations for the resources were drawn from the organization providing the resource. Since many of the meta sites do not provide much of an annotation nor a description of a resource, a webliography such as this will provide more information about the content of a web site. Much of the information for this webliography was found by browsing many of the existing web sites, links and pointers that others have provided.

General Information sources

Forensic Site <http://dfs.nic.in/>

Reddy'sForensic Page: <http://www.forensicpage.com>

Forensic- Evidence.com <http://www.forensicevidence.net>

Forensic Resource and Criminal Law Search Site

<https://www.marshall.edu/forensics/files/Forensic-Science-Research-Guide.pdf>

Directory of Digital Forensic Science Research: https://dfrws.org/wp-content/uploads/2019/06/2001_USA_a_road_map_for_digital_forensic_research.pdf

Associations and Organizations, Federal Agencies:

- [Bureau of Alcohol, Tobacco, Firearms and Explosives](#) (ATF)
- [Drug Enforcement Administration Forensic Sciences Program](#) (DEA)
- [Department of Defense Combating Terrorism Technical Office, Investigative and Forensic Science](#)
- [Federal Bureau of Investigation Laboratory](#) (FBI)
- [Fish and Wildlife Service Forensics Laboratory](#) (FWS)
- [Immigration and Customs Enforcement Homeland Security Investigations Forensic Laboratory](#)
- [National Institute of Justice Forensic Sciences website](#)
- [Office of Justice Programs Bureau of Justice Statistics: Forensic Investigation](#)
- [Office of Justice Programs Technology and Forensics website](#)
- [National Oceanic and Atmospheric Administration Marine Forensics Program](#)
- [National Science Foundation](#)
- [The Public Health and Safety Organization](#)
- [United States Secret Service Forensic Services](#)
- [US Army Criminal Investigation Laboratory](#)
- [American Academy of Forensic Sciences](#)
- [American Society of Crime Laboratory Directors](#)
- [California Association of Criminalists](#)
- [Canadian Society of Forensic Science](#)
- [Carpenter's Forensic Science Resources](#)

Forensic Science Resources on the Internet

[Extant](#) : Extension Toxicology Network is a collaborative project of Oregon State University, Michigan State University, the University of California, Davis and Cornell University. This site provides information on pesticide toxicology and environmental chemistry. Links to other toxicology sites and full-text fact sheets are also included.

[Forensic magazine](#). [Topical](#) articles & videos, amidst advertisements for forensic-related products.

[Forensic Science Education](#). offers training for forensic and medical professionals, law enforcement and professionals. Course topics range from toxicology to crime scene investigation.

The Research Triangle Institute, funded in part by the Department of Justice.

[Forensic Science Society Web Page \(UK\)](#) British forensic science professional organization site includes information about the society's journal [Science and Justice](#) (subscriptions, rates, and the table of contents of recent volumes), full text (in PDF format) of their newsletter, and a long list of links to other forensic science sites.

IAI – International Association for Identification <https://www.theiai.org/>

[International Association of Forensic Toxicologists](#).

ISFG – International Society for Forensic Genetics <http://www.isfg.org/>

Kristine Alpi's [INTERNET RESOURCES: Criminal investigation and forensic science: Sources for scholars and aficionados](#)

MAAFS – Mid-Atlantic Association of Forensic Scientists <http://www.maafs.org/>

MAFS – Mid-Western Association of Forensic Scientists <http://www.mafs.net/>

[National Fish and Wildlife Forensic Laboratory](#) :The only crime lab in the world dedicated entirely to wildlife, it serves both the national and international communities. Included on the site are identification notes_for distinguishing different animals and part of animals.

Selected websites:<https://utm.library.utoronto.ca/subjects/science/forensic/selectedsites>

NIST Forensics – National Institute of Standards and Technology <http://www.nist.gov/forensics/>

[New York City Office of the Chief Medical Examiner](#). Including a link to the [forensic science training program](#).

[New York City Poison Control Center](#).

NEAFS – Northeastern Association of Forensic Scientists <http://www.neafs.org/>

[Questioned Document Examination Page of Emily Will](#) : This fascinating site details the basic theories, applications, and famous cases in questioned document examination along with links to related sites on

microscopy, handwriting, forensic science and law. Emily Will is a certified document examiner.

SAFS – Southern Association of Forensic Scientists <http://www.southernforensic.org/>

SWAFS – South-Western Association of Forensic Scientists <http://www.swafs.us/>

[Visible Proofs: Forensic Views of the Body](#)

History of Forensic Medicine.

[WebPath: The Internet Pathology Laboratory for Medical Education Over](#) 1900 images along with text, tutorials, laboratory exercises, and [examination](#) items for self-assessment that demonstrate gross and microscopic

pathologic findings associated with human disease conditions." Mini-tutorials are noteworthy for forensic science students.

[WHO: International Programme on Chemical Safety](#). Through the International Programme on Chemical Safety (IPCS), WHO works to establish the scientific basis for the sound management of chemicals, and to strengthen national capabilities and capacities for chemical safety.

[WWW Virtual Library: Forensic Toxicology](#) A portal site for forensic toxicology including a link to the searchable index of the Journal of Analytical Toxicology.

Forensic Anthropology

International Association for Craniofacial Identification (IACI)

<http://www.forensicartist.com/IACI/index.html> Forensic Art <http://www.forensicartist.com/>

OsteoInteractive

Forensic Botany

Forensic Botany <https://www.kew.org/read-and-watch/how-forensic-botany-plant-science-solve-crimes>

Forensic Palynology: A New Way to Catch Crooks

Forensic Chemistry and Toxicology

The International Association of Forensic Toxicologists (TIAFT) <http://www.tiaft.org/>

The Society of Forensic Toxicologists (SOFT) <http://www.soft-tox.org/>

The **Forensic Toxicology** Manual <http://dfs.nic.in/pdfs/toxicology%20manual%202021.pdf> Molecular

Expressions: **Optical Microscopy** Primer <http://micro.magnet.fsu.edu/primer/index.html>

Guidelines for the Interpretation of **Analytical Toxicology** Results and Unit of Measurement Conversion Factors : <https://www.semanticscholar.org/paper/Guidelines-for-the-Interpretation-of-Analytical-and-Flanagan/625bf5f34968549122990d927178a52184676b69>

Mass Spectrometry Databases <http://www.ualberta.ca/~gjones/mslib.htm>

Crime-Scene- Investigation.net <http://www.crime-scene-investigator.net/index.html>

Bloodstain Pattern Analysis Tutorial:

<http://www.forensicsciencesimplified.org/blood/BloodstainPatterns.pdf>

Footwear & Tire Track Impression Evidence

<https://www.forensicsciencesimplified.org/fwtt/how.html>

Criminalistics and Trace Evidence

Latent Print Examination: Fingerprints, Palm prints and Footprints

<http://onin.com/fp/>

Marks Working Group : <https://enfsi.eu/about-enfsi/structure/working-groups/marks/>

SWGFAST: Scientific Working Group on Friction Ridge Analysis, Study and Technology Ridges and Furrows <https://www.ojp.gov/ncjrs/virtual-library/abstracts/scientific-working-group-friction-ridge-analysis-study-and>

Forensic DNA Analysis

MITOMAP: A Human Mitochondrial Genome Database <http://www.mitomap.org/>

Mitochondrial DNA Concordance: https://groups.jewishgen.org/g/main/topic/dna_research_dna_re/70582178

Mitochondrial DNA Analysis in the FBI Laboratory <http://www.fbi.gov/about-us/lab/forensic-science-communications/fsc/july1999/dnalist.htm/>

STR Base

National Center for Biotechnology Information <http://www.ncbi.nlm.nih.gov/>

Forensic Mathematics <http://dna-view.com/>

Forensic Entomology

American Board of Forensic Entomology (ABFE) { <http://www.forensicentomologist.org/> }

Forensic Entomology Pages, International Forensic Entomology: Insects in Legal Investigations

Scientific Literature Resources

- [Annotated Bibliographies of foundational forensic science research](#)
- [National Criminal Justice Reference Service Forensic Science website](#)
- [Drug Enforcement Administration National Forensic Laboratory Information System](#)
- [National Institutes of Health PubMed database](#) (link searches for forensic science journal articles)
- [American Academy of Forensic Science Reference Library](#)

Training Resources

- [Extended Feature Set Training Tool for Fingerprint Examiners](#)
- [National Computer Forensics Institute](#)

- [National Institute of Justice Forensics Training website](#)
- [National White Collar Crime Center](#)
- [SEARCH, National Consortium for Justice Information and Statistics](#)
- [RTI Forensic Science Education](#)

American Academy of Psychiatry and the Law Ethical Guidelines for the Practice of Forensic Psychiatry {
<http://www.forensic-psych.com/articles/artEthics.php>}

American Society of Crime Lab Directors Code of Ethics <https://nij.ojp.gov/nij-hosted-online-training-courses/law-101-legal-guide-forensic-expert/appendix/forensic-professional-codes-of-ethics-and-conduct>

Explosives

International Association of Bomb Technicians and Investigators (IABTI)
<http://www.iabti.org/> Analysis and Detection of Explosives: Published Papers, Reports and Presentations, 1988-1998 :

Firearms, Tool Marks & Ballistics

Association of Firearm and Tool Mark Examiners (AFTE) :
<http://www.afte.org/>

FirearmsID.com <https://firearmforensics.com/firearms-id>

Firearms Tutorial :
<http://library.med.utah.edu/WebPath/TUTORIAL/GUNS/GUNINTRO.html>

How Do Bullets Fly? <http://www.nennstiel-ruprecht.de/bullfly/index.htm#>

Feasibility of a California Ballistics Identification System: [Feasibility of a California Ballistics Identification System](#)

American Board of Forensic Odontology (ABFO)
<http://www.abfo.org/> Bureau of Legal Dentistry (BOLD)
<https://www.dentistry.ubc.ca/bold-forensic-identification-training/>

Forensic Dentistry Online <https://forensidentistryonline.info>

Issues in Human and Animal Bite Mark (Bitemark) Management

Created by Mike Bowers, a forensic odontologist,
<https://www.justice.gov/sites/default/files/ncfs/legacy/2014/05/13/charles-michael-bowers.pdf>