

Sulekha R. Coticone, Ph.D.

Expert in forensic science and biochemistry at Florida Gulf Coast University

Fort Myers, FL, US

Sulekha Coticone specializes in chemistry of seized drugs and DNA biochemistry from trace evidence.

Biography

Dr. Sulekha Coticone is the chair of the department of chemistry and physics at Florida Gulf Coast University. Prior to her work in academia, Coticone was a senior scientist in the human identification division at Applied Biosystems (Thermo Fisher, Inc.) and has developed several DNA kits used by the FBI and crime laboratories. Her research interests include developing new and improved methods in forensic biochemistry and chemistry. The major goal of her laboratory is to advance methods of analyzing DNA and trace evidence in forensics. These studies involve collaborations with federal laboratories, including the Department of Justice Crime Laboratories.

Areas of Expertise

Biochemistry, Seized Drugs, DNA Analysis, Forensic Science, DNA, Crime Scene DNA, Chemical Education

Affiliations

American Chemical Society : Member, American Academy of Forensic Sciences : Fellow, Southern Association of Forensic Scientists : Member, National Science Teachers Association : Member

Selected Event Appearances

DNA, Drugs and detectives: An interdisciplinary special topics course for undergraduate students in forensic science

International Forensic Research Institute Symposium

Incorporating undergraduate mini research project exercises in advanced forensic science curriculum as a course-based research experience

American Chemical Society National Meeting

Applications of 5-Dye Technology in Forensic DNA Typing and Analysis

International Society for Forensic Genetics

Beyond CSI- Interesting applications of chemistry in Forensic Analysis

Ave Maria University

Education

University of Minnesota
Ph.D. Biochemistry

Indian Institute of Technology
M.S. Chemistry

University of Delhi
B.S. Chemistry

Accomplishments

Fulbright Specialist Program Candidate
Awarded in 2015.

Keck Foundation Fellow
Awarded in 1995 by the University of California, Berkeley.

Blackie Floyd Cancer Research Fellow
Awarded in 1994.

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