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# Pharmacogenomics, Biomarkers & Forensic Chemistry &

21<sup>st</sup> International Conference on

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## Forensic chemistry methodologies in military operations

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The relationship between forensic sciences and the military would be discussed in this paper. Methods and procedures that could improve on forensic chemistry techniques associated with military operations and training would be highlighted. Procedures for crater analysis, determination of the types of explosives used as IEDs and related analyses of charred debris. Forensic chemistry draws on chemistry principles and concepts to analyze these physical evidence, simple but yet effective techniques and the various methodologies that have been utilized would be highlighted. These methods include solid phase micro extractions [SPME], high-performance liquid chromatography [HPLC], gas chromatography-mass spectrophotometer [GCMS] and others. Emphasis would be on the use of these techniques in forensic studies related to military operations in the academy.

### Biography

Modupe M Adeyemi's research work has been in the area of organic chemistry, with emphasis on natural products chemistry. She has been involved in phytocompounds analyses using various analytical techniques and methodologies. She obtained her PhD in 2010 and is currently a Senior Lecturer with the Nigerian Defence Academy, Kaduna, Nigeria.

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