



1st International Conference on
Forensic Science, Forensic Medicine
& Criminology

msu infomec 2016

19 - 20 APRIL 2016
venue :
Management & Science University (MSU)
Shah Alam, Selangor, Malaysia

INNOVATIONS IN FORENSICS





CONTENT

	Page
Message from the President	1
Message from the Chairman	2
Message from FHLS Dean	3
Editor's Note	4
Keynote speaker Dr Fahmi Oscandar	5
Plenary speakers Dr Geshina Ayu Mat Saat Dr N. Kala Dr Farzad Jahedi	7 9 11
Oral presentations	
1 Recovery of Latent Fingermarks Submerged in Water Environments <i>Nik Fakhuruddin Nik Hassan, Nur Sharida Abd Rahman, Revathi Rajan, Cik NorHazrin Che Hamzah, Mohammad Hadzri Yaacob</i>	14
2 Comparison between Blue Ballpoint Pen and Blue Gel Pen Inks using Chemometrics Technique, Video Spectral Comparator, FTIR-ATR and Thin Layer Chromatography <i>Linthini Gannetion, Wong Kong Yong, and Ahmad Fahmi Lim bin Abdullah</i>	15
3 A Computational Forensic Application of Mitochondrial DNA Control Region Analysis among Three Major Ethnic Groups in Malaysia <i>Suresh Kumar, Nataraja Moorthy T and Jessica Marie Roy</i>	16
4 Recovery Study of Dangerous Drugs in Soft Drinks Using Liquid-Liquid Extraction Followed by Gas Chromatography - Flame Ionisation Detector (GC-FID) <i>Lee Khai, Zaraiha Awang, Chang Kah Haw and Ahmad Fahmi Lim Abdullah</i>	17
5 Estimation of Stature from Foot Outlines of Malaysian Malayalees for Forensic Investigation <i>T.Nataraja Moorthy and Rasvini Asogan</i>	18
6 Novel DNA Profiling of Short Tandem Repeats (STRs) from Next-Generation Sequencing (NGS) Data by Establishing a whole Genome STRs Pipeline for Forensic Bioinformatics <i>Venkataramanan S. and Nur Nabilah A</i>	19
7 Organic Chemical Profiling of Explosives using High Performance Liquid Chromatography Diode-Array Detection <i>Mohamad Afiq Mohamed Huri, Umi Kalthom Ahmad, Roliana Ibrahim and Mustafa Omar</i>	20
8 Advanced Application of Bioinformatics in Forensic Science <i>Kavitha Kannan, Mohana Priya.A and Venkataramanan.S</i>	21
9 Correlation between Foot Anthropometry and Physical Activity among Students in Management and Science University (MSU) <i>Mathan Mohan Chelladorai, Noor Fizatul Akmal A.R., Venkataramanan S., Anantha Kumar Rajendran, Maheswaran Ramalingam, Pallavi Jayavanth, Balamurugan Madevanin</i>	22
10 Ethico-Legal Conflict in Daily Forensic Medicine Practice <i>Henky</i>	23
11 Assessment of Forensic Odontology Module in 4th Year Dentistry Undergraduate Program: Case Study of Faculty of Dentistry Universitas Padjadjaran Indonesia <i>Yuti Malinda, Dewi Zakiawati and Erli Sarilita</i>	24

Assessment of Forensic Odontology Module in 4th Year Dentistry Undergraduate Program: Case Study of Faculty of Dentistry Universitas Padjadjaran Indonesia

^{1,4}Yuli Malinda, ^{2,4}Dewi Zakiawati, ^{1,3,4}Erti Sarilita

¹Department of Oral Biology, Faculty of Dentistry, Universitas Padjadjaran, Indonesia

²Department of Oral Medicine, Faculty of Dentistry, Universitas Padjadjaran, Indonesia

³Centre for Anatomy and Human Identification, University of Dundee, Scotland, UK

⁴Forensic Odontology Science, Faculty of Dentistry, Universitas Padjadjaran, Indonesia

In 2012, Faculty of Dentistry Universitas Padjadjaran inserted Forensic Odontology module in the 4th year of dentistry undergraduate curriculum. We utilized Problem Based Learning approach with mini lectures, simulations and role play in class to maximize the students' understanding in real forensic cases that they might be involved in their future career. A simple student survey in 2016 showed high enthusiasm to forensic odontology module. It is probably enhanced by recent DVI cases in Indonesia which demonstrated the importance of dental professionals in identifying the victims. Aim to evaluate the effectivity of combination learning method and assessment method towards the student's satisfaction and perspective of forensic odontology module. Simple survey was dispersed to a batch of dental students who had just finished their forensic odontology module. Three points Likert scale was applied to all the survey questions. Then the result of the survey was statistically analyzed. Majority of the students considered that the combination learning method and assessment method were satisfactory. Based on summative test score of the 4th year dental students in 2015/2016 academic year, it can be assumed that the students performed very well. Enthusiasm to forensic odontology also clearly seen by the increasing number of students proposing forensic odontology topic in their minor research module. Combination learning method and assessment method applied in the current forensic odontology module is considered effective.

Keywords: *Forensic odontology module, learning method, assessment, student's perspective.*