

Curriculum Vitae
Dr. Muhd Fauzi Safian

Associate Professor
School of Chemistry and Environmental Technology
Faculty of Applied Sciences,
Universiti Teknologi MARA (UiTM),
40450 Shah Alam, Selangor,
MALAYSIA

Tel (Office) : +603-55437852

Mobile phone : + 6013-8114564

E-mail : mohdf956@salam.uitm.edu.my

: fauzisafian@yahoo.co.uk



WORKING EXPERIENCE

(1989 – Present) Associate Professor in Instrumental Chemical Analysis at Universiti Teknologi MARA, Shah Alam, Selangor, **Malaysia**

EDUCATION

1983 - 1987 B.Sc (Hons) in Chemistry, UKM.

1994 - 1997 Master of Philosophy (Applications of Liquid Chromatography-Mass Spectrometry and supercritical Fluid Chromatography-Mass Spectrometry for Quantification and Identification of Cinchona Alkaloids), **Mass Spectrometry Research Unit, Swansea University, Swansea, United Kingdom.**

2006-2011 PhD in Mass Spectrometry, (Development and Applications of Quantitative Methods for Phosphate and Phospholipid Microanalysis by Electrospray Mass Spectrometry, **DKFZ-University of Heidelberg, Heidelberg, Germany.**

ASSOCIATIONS

1989 -present. Member of the Malaysian Institute Of Chemistry

2012 -present Member of the Malaysia Natural Product Society,

TEACHING EXPERIENCE AND EXPERTISE

1. Giving lectures and conducting practical classes of instrumental chemical analysis for undergraduate in Universiti Teknologi MARA over the past 25 years.
2. Supervised undergraduate and post graduate research students.
3. Give scientific talk to post graduate research student.
4. Presenting research finding at local and international conferences.
5. Specialise in Mass Spectrometric (MS) analysis and also in other types of instruments such as IR, Raman, UV-VIS, AAS ICP-OES, HPLC and GC.

CURRENT RESEARCH INTERESTS

1. Method Development : Rapid Quantification of Veterinary Multidrug Residues in Poultry Products And Animal Feeds by using Ultra Performance Liquid Chromatography - Tandem Mass Spectrometry (UPLC-MS/MS).
2. Chemical analysis of Essential oil from several plant species using Gas chromatography and Gas-Mass Spectrometry.
3. Fungal Biotransformation of Antibiotic residues in environment.
4. Development of local plants healthcare products.
5. Method Development : Detection and Quantification of Mycotoxins in cocoa bean by using Ultra Performance Liquid Chromatography - Tandem Mass Spectrometry (UPLC-MS/MS).

PUBLICATIONS

1. **Identification of Essential Oil Composition of Peel and Fruits of *Citrus hystrix* DC.** M.F.Safian, N.A. Mohamad Ali, N. Yury and Z. Zainal Ariffin, Malaysian Journal of Science, (2005), 24, 109-111
2. **Optimising the Saturated Fat Content Reduction in Squid by *Lactobacillus acidophilus* Yoghurt using Response Surface Method.** N. Ibrahim, Z. Samicho and M.F. Safian., Science Letters, (2007), 4(1), 49-59, ISSN 1675-7785
3. **Intrinsic anticarcinogenic effects of *Piper sarmentosum* ethanolic extract on a human hepatoma cell line** Shahrul Hisham Zainal Ariffin, Wan Haifa Haryani Wan Omar, Zaidah Zainal Ariffin, Muhd Fauzi Safian, Sahidan Senafi, Rohaya Megat Abdul Wahab., Cancer Cell International. (2009), 9:6. doi: 10.1186/1475-2867-9-6
4. **Anticancer Screening of Ethanol Extract from Selected Piperaceae Family and its Determination via Trypan Blue Staining** , (Penyaringan Antikanser Ekstrak Etanol daripada Famili Piperaceae Terpilih dan Penentuannya melalui Pewarnaan Tripan Biru) Wan Haifa Haryani Wan

Omar, Shahrul Hisham Zainal Ariffin, Zaidah Zainal Ariffin, Muhd Fauzi Safian, Sahidan Senafi & Rohaya Megat Abdul Wahab., Sains Malaysiana, Vol 39(6)(2010): 941-949

- 5 **Characterisation of Volatile Compounds in *Meiogyne monosperma***, Asmah Alias , Khalijah Awang , Muhd Fauzi Safian, Nor Azah Mohd Ali, Nor Hadiani Ismail., Science Letters (2013), Vol 7, No 2, 43-46.
- 6 **Identification of Gunshot Residue From Trace Element by Using ICP-OES**, IEEE Symposium on Computers & Informatics (ISCI 2013), Mohamed Izzharif Abdul Halim and Muhd Fauzi Safian
- 7 **Identification of Phospholipid Classes in Human Cancer and Normal Tissue Extracts by Nano-ESI Tandem Mass Spectrometry** Muhd F. Safian and Wolf D. Lehmann., Proceedings Journal International Natural Product Conference, 4-5 March 2013. ISSN: 2210-2892 [DOI: 10.2174/2210289201304010035]
- 8 **Microquantification of Inorganic and Organic phosphate by Negative Ion Electrospray Tandem Mass Spectrometry**, MF Safian, WD Lehman., Analytical and Bioanalytical Chem (2015) 407 (10), 2933-2937.
9. **Chemical constituents and *in-vitro* antimicrobial activity of *Polyalthia stenopetala* essential oil.** Kamaruddin, N. I. M., Ali, N. A. M., Safian, M. F., Ariffin, Z. Z. Jurnal Teknologi (2016), 78(6-8), 43-47. DOI: 10.11113/jt.v78.9051
10. **Microquantification of Phospholipid Classes by stable isotope dilution and nanoESI Mass Spectrometry.** Muhd Fauzi Safian, Nico Zinn, Joerg Seidler, Wolf D. Lehmann. Analytical and Bioanalytical Chem. (2016), Volume 408, (27), 7663-7667
11. **Antibacterial and Ferric reducing ability activities of selected herbs essential oils**, ZZ Ariffin, NS Mohammad, MF Safian, NAM Ali, Journal of Engineering and Applied Sciences (2017), 12 (5), 6934-6938
12. **Isolation and Characterisation of Filamentous Fungi from Animal Agricultural Farm Soil** MS Senwan, MF Safian, ZM Noor, ZZ Ariffin. PERTANIKA JOURNAL OF SCIENCE AND TECHNOLOGY (2017), 25, 19-28
13. **Essential oil chemical constituent analysis of *Cinnamomum iners***, Ahmad Talhah Suhaimi, Zaidah Zainal Ariffin], Nor Azah Mohamad Ali, Mohamed Izzharif Abdul Halim, Mohd Muzamir Mahat, Muhd Fauzi Safian, Journal of Engineering and Applied Sciences (2017), 12, (21), 5369-5372