

## LIST OF PUBLICATIONS AND PRESENTATIONS

### A. International Publications (ISI-cited Journals)

1. Chan KW, Tan GH, Wong RCS (2011). Forensic applications of IR spectral data at macro and micro levels: a study on plastic packages. **Spectroscopy Letters**. 44:6:440-449.
2. Chan KW, Tan GH, Wong RCS (2012). Gas chromatographic method validation for the analysis of major components in illicit heroin seized in Malaysia. **Science & Justice**. 52:9-16.
3. Chan KW, Tan GH, Wong RCS (2012). Looking at forensic intelligence from the metaphysical perspective: Citing illicit heroin profiling as an example. **Australian Journal of Forensic Sciences**. 44:3:227-242.
4. Chan KW, Tan GH, Wong RCS (2012). ICP-MS method validation for the analysis of trace elements in illicit heroin. **Analytical Letters**. 45:1122-1132.
5. Chan KW, Tan GH, Wong RCS (2012). Chemometric procedures for analyzing trace organic impurities present in street doses of heroin via a constant weight approach. **Australian Journal of Forensic Sciences**. 44:3:299-309.
6. Chan KW, Tan GH, Wong RCS (2012). Investigation of illicit heroin seized in Malaysia: Physical characteristics and chemical profiling. **Australian Journal of Forensic Sciences**. DOI:10.1080/00450618.2012.674978
7. Chan KW, Tan GH, Wong RCS (2012). Gas chromatographic method optimization and statistical validation for the determination of trace impurities in street doses of heroin. **Analytical Letters**. 45:1156-1171.
8. Chan KW, Tan GH, Wong RCS (2012). A simplified clustering method for novice narcotic chemists. **Science & Justice**. 52:136-141.
9. Chan KW, Tan GH, Wong RCS. Statistical validation for the profiling of heroin by associating simulated post-cut samples with the corresponding pre-cut sample. **Journal of Forensic Sciences**. DOI: 10.1111/j.1556-4029.2012.02285.x
10. Chan KW, Tan GH, Wong RCS (2012). Harmonizing a chemometric procedure for the classification of illicit heroin using manufacturing impurities: preliminary investigation of heroin simulated links. **Australian Journal of Forensic Sciences** DOI: 10.1080/00450618.2012.721806
11. Chan KW, Tan GH, Wong RCS (2012). Investigation of trace inorganic elements in street doses of heroin. **Science & Justice**. DOI: 10.1016/j.scijus.2012.08.004

### B. Regional Publications

1. Chan KW, Tan GH, Wong RCS (2012). Determination of the statistical robustness of a gas chromatographic method designed for heroin profiling by pattern analysis using case samples of unknown origins. **Problems of Forensic Sciences**. 90: 115-125.
2. Chan KW, Tan GH, Wong RCS (2012). Qualitative analysis of illicit heroin via visual examination for forensic intelligence. **Journal of Forensic Research**. 3:159. DOI: 10.4172/2157-7145.1000159

### C. International Conferences

1. Chan KW, Tan GH, Wong RCS (2010). Analysis of illicit heroin containing plastic packages by FT-IR. Poster presentation in *The 16<sup>th</sup> Malaysian Chemical Congress (16MCC)*, Putra World Trade Centre, Kuala Lumpur, Malaysia, 12-14 October 2010.
2. Chan KW, Tan GH, Wong RCS (2010). Analysis of illicit heroin containing plastic packages by FT-IR. Poster presentation in *The Universiti Malaya Bilateral Seminar*, Department of Chemistry (University of Malaya), Kuala Lumpur, Malaysia 26-28 October 2010.
3. Chan KW, Tan GH, Wong RCS (2010). Analysis of illicit heroin containing plastic packages by FT-IR. Poster presentation in *The 6<sup>th</sup> Mathematics and Physical Sciences Graduate Congress (6<sup>th</sup> MPSGC)*, Faculty of Science (University of Malaya), Kuala Lumpur, Malaysia, 13-15 December 2010.
4. Chan KW, Tan GH, Wong RCS (2011). Analysis of heroin simulated links by GC. Oral presentation and proceeding in *The 13<sup>th</sup> International Symposium on Advances in Extraction Technologies 2011 (ExTech 2011)*, Putra World Trade Centre, Kuala Lumpur, Malaysia, 27-29 September 2011.