

L'attività scientifica del Laboratorio di Tossicologia Clinica e Forense consiste anche nella produzione di Pubblicazioni su Riviste scientifiche internazionali; Comunicazioni orali e Poster presentati a Congressi nazionali e internazionali, Incontri scientifici, Corsi di formazione; nella organizzazione di Convegni su tematiche di tossicologia clinica e forense.

### **Pubblicazioni su Riviste Scientifiche**

- Frison, G., Zancanaro, F., Frasson, S., Quadretti, L., Agnati, M., Vlassich, F., Gagliardi, G., Salerno, T., Donato, P., & Mondello, L. (2021). Analytical Characterization of 3-MeO-PCP and 3-MMC in Seized Products and Biosamples: The Role of LC-HRAM-Orbitrap-MS and Solid Deposition GC-FTIR. *Frontiers in chemistry*, *8*, 618339. <https://doi.org/10.3389/fchem.2020.618339>
- Mestria, S., Odoardi, S., Frison, G., & Strano Rossi, S. (2021). LC-HRMS characterization of the skin pigmentation and sexual enhancers melanotan II and bremelanotide sold on the black market of performance and image enhancing drugs. *Drug testing and analysis*, *13*(4), 876–882. <https://doi.org/10.1002/dta.2986>
- Zamengo, L., Bettin, C., Badocco, D., & Frison, G. (2020). Cannabis potency in North-East Italy: A ten-year study (2010-2019). *Forensic science international*, *317*, 110556. <https://doi.org/10.1016/j.forsciint.2020.110556>
- Salerno, T., Donato, P., Frison, G., Zamengo, L., & Mondello, L. (2020). Gas Chromatography-Fourier Transform Infrared Spectroscopy for Unambiguous Determination of Illicit Drugs: A Proof of Concept. *Frontiers in chemistry*, *8*, 624. <https://doi.org/10.3389/fchem.2020.00624>
- Zamengo, L., Frison, G., Zwitter, G., Salomone, A., & Freeman, T. P. (2020). Cannabis knowledge and implications for health: Considerations regarding the legalization of non-medical cannabis. *Medicine, science, and the law*, *60*(4), 309–314. <https://doi.org/10.1177/0025802420934255>
- Zamengo, L., Tedeschi, G., Frison, G., Griffoni, C., Ponzin, D., & Jones, A. W. (2019). Inter-laboratory proficiency results of blood alcohol determinations at clinical and forensic laboratories in Italy. *Forensic science international*, *295*, 213–218. <https://doi.org/10.1016/j.forsciint.2018.12.018>
- Zamengo, L., Bettin, C., Badocco, D., Di Marco, V., Miolo, G., & Frison, G. (2019). The role of time and storage conditions on the composition of hashish and marijuana samples: A four-year study. *Forensic science international*, *298*, 131–137. <https://doi.org/10.1016/j.forsciint.2019.02.058>
- Papa, P., Valli, A., Di Tuccio, M., Frison, G., Zancanaro, F., Buscaglia, E., & Locatelli, C. A. (2019). Analytically Confirmed Intoxication by 4-Fluoromethylphenidate, an Analog of Methylphenidate. *Journal of analytical toxicology*, *43*(5), e1–e7. <https://doi.org/10.1093/jat/bkz001>
- Zamengo, L., Frison, G., & Zwitter, G. (2019). Understanding and managing the new psychoactive substances phenomenon: a holistic approach. *Journal of public health policy*, *40*(2), 217–235. <https://doi.org/10.1057/s41271-018-0156-6>
- Zamengo, L., & Frison, G. (2016). La valutazione e la gestione dei rischi per la salute individuale e collettiva associati alla diffusione e al consumo delle nuove sostanze psicoattive. *Medicina delle dipendenze*, *22*, 73-78.
- Zamengo, L., Frison, G., Tedeschi, G., & Frasson, S. (2016). Forensic-metrological considerations on assessment of compliance (or non-compliance) in forensic blood alcohol content determinations: A case study with software application. *Forensic science international*, *265*, 144–152. <https://doi.org/10.1016/j.forsciint.2016.02.005>
- Frison, G., Frasson, S., Zancanaro, F., Tedeschi, G., & Zamengo, L. (2016). Detection of 3-methylmethcathinone and its metabolites 3-methylephedrine and 3-methylnorephedrine in pubic hair samples by liquid chromatography-high resolution/high accuracy Orbitrap mass spectrometry. *Forensic science international*, *265*, 131–137. <https://doi.org/10.1016/j.forsciint.2016.01.039>
- Frison, G., Zamengo, L., Zancanaro, F., Tisato, F., & Traldi, P. (2016). Characterization of the designer drug

deschloroketamine (2-methylamino-2-phenylcyclohexanone) by gas chromatography/mass spectrometry, liquid chromatography/high-resolution mass spectrometry, multistage mass spectrometry, and nuclear magnetic resonance. *Rapid communications in mass spectrometry: RCM*, 30(1), 151–160. <https://doi.org/10.1002/rcm.7425>

- Frison, G., Odoardi, S., Frasson, S., Sciarrone, R., Ortar, G., Romolo, F. S., & Strano Rossi, S. (2015). Characterization of the designer drug bk-2C-B (2-amino-1-(bromo-dimethoxyphenyl)ethan-1-one) by gas chromatography/mass spectrometry without and with derivatization with 2,2,2-trichloroethyl chloroformate, liquid chromatography/high-resolution mass spectrometry, and nuclear magnetic resonance. *Rapid communications in mass spectrometry: RCM*, 29(13), 1196–1204. <https://doi.org/10.1002/rcm.7211>
- Zamengo, L., Frison, G., Bettin, C., & Sciarrone, R. (2015). Cannabis potency in the Venice area (Italy): update 2013. *Drug testing and analysis*, 7(3), 255–258. <https://doi.org/10.1002/dta.1690>
- Zamengo, L., Frison, G., Bettin, C., & Sciarrone, R. (2014). Understanding the risks associated with the use of new psychoactive substances (NPS): high variability of active ingredients concentration, mislabelled preparations, multiple psychoactive substances in single products. *Toxicology letters*, 229(1), 220–228. <https://doi.org/10.1016/j.toxlet.2014.06.012>
- Frison, G., Zamengo, L., Zancanaro, F., Tedeschi, G., Bettin, C., Frasson, S., & Sciarrone, R. (2014). Potenzialità della spettrometria di massa ad elevata risoluzione ed elevata accuratezza nella caratterizzazione strutturale delle nuove sostanze psicoattive ad azione amfetamino-simile, *Italian journal on addiction*, 4, 57-67.
- Zamengo, L., Frison, G., Tedeschi, G., Frasson, S., Zancanaro, F., & Sciarrone, R. (2014). Variability of blood alcohol content (BAC) determinations: the role of measurement uncertainty, significant figures, and decision rules for compliance assessment in the frame of a multiple BAC threshold law. *Drug testing and analysis*, 6(10), 1028–1037. <https://doi.org/10.1002/dta.1614>
- Zamengo, L., Frison, G., Bettin, C., & Sciarrone, R. (2014). Variability of cannabis potency in the Venice area (Italy): a survey over the period 2010-2012. *Drug testing and analysis*, 6(1-2), 46–51. <https://doi.org/10.1002/dta.1515>
- Strano Rossi, S., Anzillotti, L., Castrignanò, E., Frison, G., Zancanaro, F., & Chiarotti, M. (2014). UHPLC-MS/MS and UHPLC-HRMS identification of zolpidem and zopiclone main urinary metabolites and method development for their toxicological determination. *Drug testing and analysis*, 6(3), 226–233. <https://doi.org/10.1002/dta.1470>
- Zamengo, L., Bettin, C., Frison, G., Gregio, M., & Sciarrone, R. (2013). Drugs WorkBook (DWB): A tool for the analysis of illicit drugs in seized materials, *Science and justice*, 53, 415-424. <https://doi.org/10.1016/j.scijus.2013.03.001>
- Zamengo, L., Frison, G., Gregio, M., Orrù, G., & Sciarrone, R. (2011). Determination of illicit drugs in seized materials: role of sampling and analysis in estimation of measurement uncertainty. *Forensic science international*, 208(1-3), 108–123. <https://doi.org/10.1016/j.forsciint.2010.11.018>
- Frison, G., Gregio, M., Zamengo, L., Zancanaro, F., Frasson, S., & Sciarrone, R. (2011). Gas chromatography/mass spectrometry determination of mephedrone in drug seizures after derivatization with 2,2,2-trichloroethyl chloroformate. *Rapid communications in mass spectrometry: RCM*, 25(2), 387–390. <https://doi.org/10.1002/rcm.4842>.