Advanced Techniques in Forensic Entomology

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Message from the Guest Editors

Forensic entomology is an evolving field within forensic science and is gaining increasing importance in criminal investigations. There has been an influx of within this field in recent years, leading to exciting advances which will greatly advance the area. These advances include molecular analysis, cuticular hydrocarbon (CHC) analysis and micro-CT for species determination and CHC analysis and gene expression studies for aging. There has also been an increase in the number of papers utilizing methods that are typically applied in other disciplines, such as thermal imaging, toxicology and meteorological analysis, and these are significantly strengthening the research within forensic entomology. The field would also greatly benefit from applying stronger statistical confidence to datasets when presenting findings in court; thus, we are seeing more research that applies multivariate analysis and artificial intelligence. This Special Issue will showcase the advances in forensic entomology to improve this evidence type. Bridging the gap between academic research and reporting forensic entomology is something that we, as a research community, should address.

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