JAMES ROBERTSON
CURRICULUM VITAE

WORK:

University of Canberra
Faculty of Applied Science
CANBERRA ACT 2601

CONTACT DETAILS:

Office	02 6201 2870
Mobile	0412 049 211
Fax	02 6201 5727
Home	02 6296 6774
E-mail	james.robertson@canberra.edu.au

QUALIFICATIONS

1972 BSc Agric. Botany (Hons) University of Glasgow

1976 PhD University of Glasgow

1999 Fellow Australian Institute of Management (FAIM)

HONOURS AND AWARDS

1972: Doveston Prize for Best Performance in Hons. Botany and Agric. Botany

1972 – 1975: Dept of Agriculture & Fisheries, Scotland PhD Scholarship.

2005: Public Service Medal (PSM) Australian Honours Award

2007: Doctor of the University of Canberra, D UC Hon

2010: Member in the Order of Australia (AM)

DISCIPLINARY EXPERTISE & RESEARCH FOCUS

Forensic Science (hairs, fibres, illicit drugs, botany).

APPOINTMENTS

Substantive Appointments:

2010 – to date	Professorial Fellow and Director, National Centre for Forensic Sciences (NCFS)
2007 – 2010	National Manager, Forensic and Data Centres Australian Federal Police
2004 – 2007	National Manager, Forensic and Technical, Australian Federal Police
1989 - 2004	General Manager and Head of Forensic Services, Australian Federal Police
1985 - 1989	Senior Forensic Scientist, State Forensic Science (SFS), State Services Department, South Australia
1976 - 1985	Lecturer, Forensic Science Unit, University of Strathclyde, Glasgow, Scotland
1975 - 1976	Postdoctoral Assistant, Bedford College, University of London

Other Appointments:

1999 - to date	Adjunct Professor, Department of Chemistry, Materials and Forensic Science, University of Technology, Sydney
2000 - to 2010	Adjunct Professor, Faculty of Science, University of Canberra, Canberra
2008 - to date	Courtesy Professor, Department of Medicinal Chemistry, University of Florida
2010 - to date	Adjunct Professor, University of Western Sydney, Sydney
2010 - to date	Honorary Professor, University of Sydney

POSTGRADUATE SUPERVISION

- External supervisor to several MSc and PhD students from UTS, ANU and ADFA– 6 PhD and MSc completions since 2003.
- Supervised several PhD students and MSc students from 1976 – 1985.
- Adviser and joint supervisor of UTS, UWS & UC undergraduate students.

REVIEW JOURNALS

- Assistant Editor of National Police Research Journal 1986 – 1990.
- Assistant Editor of Australian Journal of Forensic Sciences 1998 – 2004.
- Editor of Australian Journal of Forensic Sciences 2004 – to date.
- Editorial Boards of Forensic Science International, Justice and Science, and Forensic Science Policy and Management.

REVIEW GRANTING BODIES

- Former member, Research Advisory Committee of National Institute of Forensic Science (NIFS).
- Occasional reviewer for Australian Research Council (ARC).

GRANTS

- Since 1990, industry partner through AFP in a number of ARC grant applications including several SPIRT / LINKAGE Awards, RIEF and LIEF Awards.

EXPERT COMMITTEES

- Chair, Standards Australia Forensic Committee from 2010 onwards
- Chair, Standards Australia Technical Committee on Drug Handling and Destruction.
- National Association of Testing Authorities (NATA) Forensic Accreditation Advisory Committee. 1994 – 2006.
- Member or Chair of numerous other education and government advisory groups and steering committees.
- Occasional advisor on expert panels to UNODC.

MEMBERSHIPS

- Forensic Science Society, UK (FSS).
- Australian and New Zealand Forensic Science Society (ANZFSS).
- Australia Academy of Forensic Sciences (AAFS).
- Australian Institute of Company Directors.
- Australian Institute of Management.

REVIEW COMMITTEES

- Adviser in three Royal Commissions in Australia, Canada and the United Kingdom.

PUBLIC / COMMUNITY POSITIONS

- Chair, National Institute of Forensic Science (NIFS) Advisory Forum, from 2009 onwards.
- Chair of Senior Managers Australia and New Zealand Forensic Laboratories (SMANZFL) 1994 – 1998. Treasurer 1998 to 2001. Member of SMANZFL Executive, 2001 – 2009.
- Chair, ACT Chapter of Australian Academy of Forensic Sciences (AAFS) 1995 - 2004.
- President of AAFS 2010 to date.
- Chair, Course Advisory Committee, UTS, Degree in Forensic Chemistry.
- Chair, Course Advisory Committee, University of Western Sydney, Degree in Forensic Science.
- Chair, Faculty of Applied Science Advisory Committee, Canberra Institute of Technology, 1992 – 1999.
- Member of Faculty of Science and Technology Advisory Committee, Canberra Institute of Technology, 2004 to 2008.
- Chair, Centre Advisory Committee for Science, Forensic and Engineering, Canberra Institute of Technology, 2008 to date.
- Member, PMSEIC (Prime Ministers Science Engineering and Innovation Council) working party on Science & Law Enforcement, 2000.
- Member, Working Group on Law Enforcement and Evidence to ALRC/NHMRC report "Essentially Yours – The Protection of Human Genetic Information in Australia".
- Member, Independent Review of Part 1D of the Crimes Act 1914 – Forensic Procedures, 2003.
- Member, Independent Review of Division 11A of the Crimes Act 1914 – 2004.
- Consultant to Centre of Forensic Sciences, Toronto, on implementation of recommendations arising from Kaufman Commission, 1998 – 2000.
- Consultant to Australian Legal Resource International (ALRI) on Forensic Science.
- Member, National Counter Terrorism Committee (NCTC) CBRN Strategy Group, 2007 – 2009.
- Member, Publicly Funded National Research Agencies R&D Steering Committee (PACCT), 2005 – 2009.

PUBLICATIONS (2000 - TO DATE)

BOOK CHAPTERS

ROUX, C. and ROBERTSON, J., 2000,
Fibres (a) Types, Encyclopaedia of Forensic Sciences, London: Academic Press.

ROBERTSON, J. and ROUX, C., 2000,
Fibres (b) Transfer and Persistence, Encyclopaedia of Forensic Sciences, London: Academic Press.

ROBERTSON, J. and ROUX, C., 2000,
Fibres (c) Significance, Encyclopaedia of Forensic Sciences, London: Academic Press.

ROBERTSON, J., 2004,
Botanical and Soil Evidence at the Crime Scene, in Horswell, J. (ed.), The Practice of Crime Scene Investigation, CRC Press.

ROBERTSON, J., 2004,
Crime Scene Investigation: Key Issues for the Future, in Horswell, J. (ed.), The Practice of Crime Scene Investigation, CRC Press.

ROBERTSON, J., 2004,
The Forensic Examination of Fibres and Hairs, in Freckelton, I. and Selby, H. (eds), Expert Evidence, Chapter 88, Lawbook Co., Sydney.

ROBERTSON, J., 2008.
The Role of an International Law Enforcement Agency in the Identification of Deceased Persons and Remains, Chapter 17, pp 263 – 288, in, Forensic Approaches to Death, Disaster and Abuse. Oxenham, M. (ed.), Pub. Australian Academic Press.

ROBERTSON, J., 2009,
Soils Ain't Soils: Context and Issues Facing Soil Scientists in a Forensic World, Chapter 1, pp 3 – 12, in, Criminal and Environmental Soil Forensics. Ritz, K., Dawson, L., and Miller, D. (eds.), Pub. Springer.

ROBERTSON, J., 2009,
Forensic Hair Examination, pp 96 – 97, in, Trunk Volume One: Hair. Boccalatte, S., and Jones, M. (eds.), Pub. Boccalatte Pty Ltd.

ROBERTSON, J., 2009,
Hair: Microscopic Analysis, pp 1415 – 1427, in, *Wiley Encyclopedia of Forensic Science.* Jamieson, A. and Moenssens, A. (eds.), John Wiley & Sons Ltd., Chinchester, UK.

ROBERTSON, J., 2009,
Microscopy: High Power, pp 1758 – 1761, in, *Wiley Encyclopedia of Forensic Science.* Jamieson, A. and Moenssens, A. (eds.), John Wiley & Sons Ltd., Chinchester, UK.

ROBERTSON, J., 2009,
Microscopy: Low Power, pp 1791 – 1793, in, *Wiley Encyclopedia of Forensic Science.* Jamieson, A. and Moenssens, A. (eds.), John Wiley & Sons Ltd., Chinchester, UK.

ROBERTSON, J. and FIDDIAN. S., 2009,
Botany, pp 422 – 429, in, *Wiley Encyclopedia of Forensic Science.* Jamieson, A. and Moenssens, A. (eds.), John Wiley & Sons Ltd., Chinchester, UK.

ROUX, C. and ROBERTSON, J., 2009,
The Development and Enhancement of Forensic Expertise: Higher Education and In-Service Training, Chapter 21, pp 572 – 601, in, Handbook of Forensic Science. Fraser, J., and Williams, R. (eds), Pub. Willan Pub.

REFEREED JOURNALS

CANTRELL, S., ROUX, C., MAYNARD, P., AND ROBERTSON**,** J., 2001,
A Textile Fibre Survey as an Aid to the Interpretation of Fibre Evidence in the Sydney Region, *Forens. Sci. Int.*, **123**, 48-53.

ROUX, C., HUTTUNEN, J., RAMPLING, K., AND ROBERTSON, J., 2001, Factors Affecting the Potential for Fibre Contamination in Purpose-designed Forensic Search Rooms, *Sci. & Just*., **41**, 135-144.

ROBERTSON, J., 2002,
Implementations of a Rule of Hair Forensic Assistance Program for the Palestinian Civil Police – Achieving the Possible, *Aust. J. For. Sci*., **34**, 81-88.

GILMORE, S., PEAKALL, J., AND ROBERTSON, J., 2003,
Short Tandem Repeat (STR) DNA Markers are Hyper Variable and Informative in *Cannabis sativa* – Implications for Forensic Investigations, *Forens. Sci. Int*., **131**, 65-74.

ROBERTSON, J., 2003,
9/11 – Will Forensic Science Ever Be The Same? Being Prepared For The 21st Century, *Aust. J. For. Sci*., **35**, 99-104.

LANGDON, S., MAYNARD, P., ROBERTSON, J., AND ROUX, C., 2003,
An Evaluation of the Maxcan Fibre Finder Version 3.3 on Cotton Fibres, *Forens. Sci. Int*., **135**, 137-145.

DACHS, J., MCNAUGHT, J.G., AND ROBERTSON, J. 2003, The Persistence of Human Scalp Hair on Clothing Fabrics, *Forens. Sci. Int.*, **138**, 27-36.

WATT, R., ROUX, C., AND ROBERTSON, J. 2005, The population of coloured Textile Fibres in Domestic Washing Machines, *Science & Justice,* **45**, 75 – 83.

WARD, J., PEAKALL, R., GILMORE, S.R., ROBERTSON, J., 2005, A Molecular Identification System for Grasses: A Novel Technology for Forensic Botany, *Forens. Sci. Int.,* **152**, 121 – 131.

McNEVIN, D., WILSON-WILDE, L., ROBERTSON, J., KYD, J., LENNARD, C., 2005, Short Tandem Repeat (STR) Genotyping of Keratinised Hair, Part 1. Review of Current Status and Knowledge gaps, *Forens. Sci. Int.,* **153**, 237 - 246.

McNEVIN, D., WILSON-WILDE, L., ROBERTSON, J., KYD, J., LENNARD, C., 2005, Short Tandem Repeat (STR) Genotyping of Keratinised Hair, Part 2. An Optimised Genomic DNA Extraction Procedure Reveals Donor Dependence of STR Profiles, *Forens. Sci. Int.,* **153** 247 – 259.

GILMORE, S., PEAKALL, R., and ROBERTSON, J., 2007, Organelle DNA Haplotypes Reflect Crop-Use Characteristics and Geographic Origins of *Cannabis sativa, Forens. Sci. Int.,* **172**, 179 – 190.

COLLINS, M., HUTTUNEN, J., EVANS, I., and ROBERTSON, J., 2007, Illicit Drug Profiling: The Australian Experience, *Aust. J. For. Sci*., **39**, 25 – 32.

HUTTUNEN, J., AUSTIN, C., DAWSON, M., ROUX., C, and ROBERTSON, J., 2007, Physical Evidence in Drug Intelligence, Part 1: Rationale Based on Hierarchic Distribution of Drugs Using Pyrolysis Gas Chromatography – Mass Spectrometry as An Example, *Aust. J. For. Sci*, **39**, 93 – 106.

ROBERTSON, K. S., McNEVIN, D., and ROBERTSON, J., 2007, STR Genotyping of Exogenous Hair Shaft DNA, Aust. J. For. Sci., 107 – 122.

HOWARD, C., GILMORE, S., ROBERTSON, J., and PEAKALL, R., 2008, Developmental Validation of a *Cannabis sativa* STR Multiplex System for Forensic Analysis, *Jour. For. Sci*., **53**, 1061 – 1067.

ROBERTSON, J., 2008, Science Futures, *Aust. J. For. Sci.,* 17-24.

HUTTUNEN, J., DOBLE. P., DAWON. M., ROUX, C., and ROBERTSON, J., 2008, Physical Evidence in Drug Intelligence, Part: 2 Discrimination of Packing Tapes by Colour, *Aust. J. For. Sci*., **40**, 73 – 83.

HOWARD, C., GILMORE, S., ROBERTSON, J., and PEAKALL, R., 2009, A *Cannabis sativa* STR Genotype Database for Australian Seizures: Forensic Applications and Limitations, *Jour. For. Sci.,* **54**, 556 – 563.

COLLINS. M., CAWLEY. A., HEAGNEY. A., KISSANE, L. ROBERTSON, J., and SALOUROS. H., 2009, $\delta^{13}C$, $\delta^{15}N$ and $\delta^{2}H$ isotope ration mass spectrometry of ephedrine and pseudoephedrine: application to methylamphetamine profiling, *Rapid Communications in Mass Spectrometry*, **23**, 2003 – 2010.

HUTTUNEN, J., DAWSON, M., ROUX, C., and ROBERTSON, J., 2009, Physical Evidence in Drug Intelligence, Part 3: Supercritical Fluid Extraction – High Performance Liquid Chromatography of Packaging Tapes, *Aust. J. For. Sci*., **41**, 63-72.

WARD, J., GILMORE, S., ROBERTSON, J., and PEAKALL, R., 2009, A Grass Molecular Identification System for Forensic Botany: A Critical Evaluation of the Strengths and Limitations, *J. For. Sci.,* **54**, 1254 – 1260.

ROBERTSON, J., and ROUX, C., 2010, Trace Evidence: Here Today, Gone Tomorrow, *Science & Justice*, **50**, 18-22.

ROBERTSON, J., 2010, Research Front Essay: Forensic Chemistry, *Aust. J. Chemistry*, **63**, 1-3.

COLLINS. M., SALOUROS. H., CAWLEY. A., ROBERTSON, J., HEAGNEY. A. and ARENAS-QUERALT, A., 2010, $\delta^{13}C$ and $\delta^{2}H$ isotope ratios in amphetamine synthesized from benzaldehyde and nitroethane, *Rapid Communications in Mass Spectrometry*, **24**, 1653 – 1658.

MORGAN. R.M., ROBERTSON. J., LENNARD. C., HUBBARD. K., and BULL. P., 2010, Quartz Grain Surface Textures of Soils and Sediments form Canberra, Australia : a Forensic Reconstruction Tool. Aust. Jour. Forensic Sci, **42**, 169-179.

WILSON-WILDE L., NORMAN J., ROBERTSON. J., SARRE. S., and GEORGES. A., 2010, Current Issues in Species Identification for Forensic Science and the Validity of using the Cytochrome Oxidase I *(COI)* Gene. Forensic Sci Med Pathol, DOI 10.1007/s12024-010-9172-y.

ALACS. E.A., GEORGES. A., FITZSIMMONS. N.N., AND ROBERTSON. J., 2010, DNA Detective : A Review of Molecular Approaches to Wildlife Forensics. Forensic Sci Med Pathol, DOI 10.1007/s12024-009-9131-7.

ROFFEY. P.E., AND ROBERTSON. J. Microbial Forensics in Australia – The Australian Federal Police perspective. 2010. Chapter 37 , 627-648. In, Microbial Forensics, 2nd Ed, Ed, Budowle B, Schutzer S.E, Breeze R.G, Keim P.S and Morse S.A. Pub Academic Press.

Robertson.J., Metz.H., Scudder.N., and Hodgson.V., 2010, A Quality System Review: Australian Federal Police Forensic and Data Centres. Forensic Science Policy and Management, **1**, 209-213.

(Since 1976 a total of over seventy papers* and book chapters. Editor of the CRC Press Series on the Forensic Sciences)

* A full listing is available if requested.

BOOKS

ROBERTSON, J., 1999 (ed.),
The Forensic Examination of Human Hair, London: Taylor & Francis.

ROBERTSON, J. and GRIEVE, M., 1999 (eds), 2nd Edition.
The Forensic Examination of Fibres, London: Taylor & Francis.

PRESENTATIONS

Numerous presentations and lectures at National and International conferences over a 30 year period. Invited keynote and plenary speaker in Australia and overseas including in previous five years:

- Plenary Speaker at the 20th ANZFSS International Symposium on the Forensic Sciences, Sydney 2010.
- Speaker at the Criminal Justice Conference on Cooperation: Empowering European, United States, Asia-Pacific and Australian approaches, Canberra October 2010.
- Invited speaker at the Terrorism and Forensic Science Roundtable, University of Central Oklahoma, September 2010.
- Speaker at the ANU/Berkeley Workshop on Criminal Investigations, Canberra, 2009.
- Keynote speaker at the Central Coast Connexions Conference on Violence, Abuse and Neglect, Wyong, 2009.
- Speaker at the University of Sydney, Forensic Medicine and Science Network Conference, Sydney, 2009.
- Keynote speaker at the 5th Academy of Forensic Sciences (EAFS), Glasgow, Scotland, 2009.
- Invited speaker at the 3rd Annual Information Management and E-Discovery Summit, Sydney, 2009.
- Plenary speaker at the 19th ANFSS International Symposium on the Forensic Sciences, Melbourne, 2008.
- Plenary speaker at the Australian Institute of Criminology International Conference on Domestic Homicide, 2008.
- Plenary speaker to AFP International Policing Toward 2020 Conference, 2007.
- Keynote speaker at UK Forensic Science Society (FSS) Annual Conference, Wyboston, United Kingdom, 2007.
- Plenary speaker and public lecture to 2nd International Conference of Soil Forensics, Edinburgh, United Kingdom, 2007.
- Presented several evidence papers and special presentations at numerous Interpol International Forensic Science Symposium (IIFSS), including 2007.
- Keynote speaker at European academy of Forensic Sciences (EAFS), Helsinki, Finland, 2006.

- Plenary lecturer at 18th ANZFSS International Symposium on the Forensic Sciences, Fremantle, 2006.
- Plenary lecturer to British Mass Spectroscopy Society, Derby, UK, 2004.
- Organiser of Plenary session on Bali bombings at 17th ANZFSS International Symposium on the Forensic Sciences, Wellington, NZ, 2004.
- Plenary lecturer at the World Police Medical Officers Conference, Sydney, 2002.
- Plenary lecturer at 16th ANZFSS International Symposium on the Forensic Sciences, Canberra, 2002.
- Presenter of workshop to FBI Forensic Management Symposium, St. Louis, USA, 2002.
- Presenter of workshop and keynote speaker to ASCLD Management Symposium, Tampa, USA, 2002.

In addition I have been a session secretary for two meetings (1984 & 1990) for the International Association of Forensic Sciences (IAFS), Chair of the Organising Committee for the 2002 16th ANZFSS Symposium, Technical Coordinator and Member of the Organising Committee for Interpol International Forensic Science (IIFSS) Symposium in 1998, 2001 & 2004, Chair of the Organising Committee for the IIFSS 2007 and Chair of the Organising Committee for the International Symposium on the Analysis and Detection of Explosives (ISADE), Canberra, 2010.

MEDIA EXPERIENCE

I am a regular contributor to the print, radio and television media. Recent examples include a series of short forensic presentations on the ABC Canberra Drive Program, ABC Catalyst stories in 2003, 2008 and 2010.