

CURRICULUM VITAE

(December 2017)

PERSONAL PARTICULARS

Name: Alan Wayne Jones, *B.Sc., Ph.D., D.Sc.*

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Nationality: British.

Born: Pontypridd, Wales, UK.

Date of birth: 7th October 1945.

Marital status: Married with two children.

Languages: Fluent in English and Swedish.

ACADEMIC QUALIFICATIONS

Grammar School: School certificate at Ordinary level with 10 credits 1962-63.

School certificate at Advanced level with chemistry grade A, special chemistry merit, physics grade B, and pure & applied mathematics grade B, 1965.

University: Bachelor of Science Degree (BSc) in chemistry, Class 2 Division 1 honors, University of Cardiff, Wales, UK, 1969.

Doctor of Philosophy Degree (PhD), awarded by University of Wales, Cardiff, UK for a thesis entitled "*Equilibrium Partition Studies of Alcohol in Biological Fluids*" October 1974.

Completed the courses for medical students in Pharmacology and in Biostatistics at Karolinska Institutet, Stockholm, Sweden.

Appointed Docent (Assistant Professor) in Experimental Alcohol Research at Karolinska Institutet, Stockholm, Sweden, 1977.

Appointed Docent (Assistant Professor) in Experimental Alcohol Research at the University of Health Sciences, Linköping, 1988.

Senior doctorate degree (DSc) from University of Wales, UK for thesis entitled "*Methods of Analysis, Distribution and Metabolism in the Body and Biological Effects of Alcohol and Narcotics*" in 1993.

POSTGRADUATE CAREER - Appointments

- 1969-72 Science Research Council (SRC) scholarship for PhD degree.
- 1973 British Council Scholarship for studies abroad (Sweden).
- 1974-77 Visiting scientist, Department of Alcohol Research, Karolinska Institutet, Stockholm.
- 1978-79 Analytical toxicologist, National Laboratory of Forensic Chemistry, Stockholm, Sweden.
- 1980-85. Research Associate, Department of Experimental Alcohol and Drug Addiction Research, Karolinska Institutet, Stockholm.
- 1985-2013 Head of Alcohol Toxicology (Laborator) and Associate Professor at National Laboratory of Forensic Chemistry, University Hospital, Linköping.
- 1988 Member of the medical faculty, University of Health Sciences, Linköping.
- 1994-2010. Adjunct Professor Department of Biomedicine and Surgery, University of Health Sciences, Linköping.
- 1994-2002 Adjunct Professor, Department of Pharmacology and Toxicology, Indiana University Medical School, Indianapolis, Indiana, USA.
- 2009-2013 External examiner MSc course in Forensic Toxicology, University of Glasgow, Scotland, UK.
- 2013-2016 Guest Professor in Forensic Toxicology, University of Health Sciences, Division of Clinical Pharmacology and Drug Research, Linköping, Sweden.

DISTINCTIONS AND AWARDS

- 1962 School prize for best performance in chemistry at ordinary level.
- 1965 School prize for best performance in applied sciences at advanced level.
- 1969 Science Research Council (SRC) scholarship for PhD degree.
- 1973 British Council Scholarship for studies abroad (Sweden).
- 1984 Travel fellowship from the Royal Swedish Academy of Sciences for biomedical alcohol research in USSR (Moscow and Grodno).
- 1985 Travel fellowship from the Royal Swedish Academy of Sciences for biomedical alcohol research in Japan (Yamanashi, Matsumoto, Kobe, Kyoto, and Tokyo).
- 1980-1986. Research grants from National Swedish Police Board, Swedish Work and Environment Fund, Swedish Medical Research Council, and Karolinska Institute Research Foundation.

1986-2010. Research grants from forensic science organizations, Swedish National Police Board, various insurance companies and the pharmaceutical industry.

INTERNATIONAL AWARDS AND PEER RECOGNITION

1977 Young scientist commendation by vote of the International Council on Alcohol, Drugs, and Traffic Safety (ICADTS).

1997 Recipient of the Widmark award from the International Council on Alcohol, Drugs, and Traffic Safety (ICADTS) in recognition of career-long contributions to Alcohol, Drugs and Traffic Safety.

2002 Recipient of the Rolla N. Harger award from the Toxicology section of the American Academy of Forensic Sciences (AAFS) in recognition of outstanding contributions to the profession of forensic toxicology.

2004 Recipient of the Robert F. Borkenstein award from US National Safety Council, Committee on Alcohol and Other Drugs.

2011 Recipient of the Alan Curry award from The International Association of Forensic Toxicologists (TIAFT) for career-long contributions to the subject of forensic toxicology.

2017 Recipient of the Kurt M Dubowski award from The International Association for Chemical Testing (IACT) for career-long dedication and contributions to forensic science, forensic toxicology and especially the principles and practice of blood- and breath-alcohol analysis.

CURRENT OR PAST MEMBERSHIP IN SCIENTIFIC SOCIETIES

- International Society for Biomedical Research on Alcoholism.
- International Association of Therapeutic Drug Monitoring
- International Council on Alcohol, Drugs, and Traffic Safety (elected member).
- Forensic Science Society, UK.
- American Academy of Forensic Sciences (AAFS), Retired Fellow.
- National Safety Council (USA) Committee on Alcohol and Other Drugs (elected member)
- American Association for Clinical Chemistry (AACC).
- The International Association of Forensic Toxicologists (TIAFT).
- International Association of Chemical Testing (IACT), emeritus member.
- Fellow of the Royal Society of Medicine (UK)
- Swedish Society for Traffic Medicine.
- Swedish Society for Alcohol and Drug Research.

INTERNATIONAL ENGAGEMENTS

Over the past 40 y I have received many invitations to present the results of my research at conferences and symposia devoted to biomedical alcohol research, alcohol drugs and driving, forensic toxicology, forensic and legal medicine etc. In this connection I have the opportunity to visit many countries throughout the world including most EU nations, Australia, Canada (Ottawa, Toronto, Edmonton), Taiwan, Japan and the US states of Arkansas, Arizona, California, Colorado, Florida, Georgia, Illinois, Indiana, North Carolina, Nevada, New Jersey, New York, Texas, Washington DC, Washington and Wisconsin. Furthermore, I have organized seminars on clinical and forensic aspects of alcohol and

other abused drugs for medical students, police officers, forensic scientists, lawyers, judges and health professionals.

I was part of the organizing committee for The International Association of Forensic Toxicologists (TIAFT) meetings in Padova (1998), Helsinki (2000), Paris (2002), Geneva (2009), San Francisco (2011), Buenos Aires (2014) and Florence (2015). Likewise I was on the committee of international experts at the International Association of Forensic Sciences (IAFS) meeting in Düsseldorf (1996), Los Angeles (1999) and Maderia (2011). When the International Council on Alcohol, Drugs and Traffic Safety (ICADTS) meetings were held in Stockholm (2000), Glasgow (2004) and Seattle (2007), I was an invited plenary speaker.

Invitations to lecturer at international meetings, conferences and symposia

Since 1990 I have been one of the instructors on the Robert F Borkestein course on alcohol and highway safety, which is held twice annually (May and December) at Indiana University in Bloomington IN. At these week-long courses, I lecture on a wide variety of topics relevant to the interdisciplinary field of forensic alcohol analysis and toxicology including disposition and fate of ethanol in the body etc.

- Keynote speaker, Nordic meeting on headspace gas chromatography, Helsinki, Finland, 1981.
- Keynote speaker, Breath-Alcohol Testing for the 1990's, London, 1989.
- Plenary lecturer at the 36th Annual meeting of the Canadian Forensic Science Society, Edmonton, Canada, 1989.
- Invited lecturer, Department of Forensic Medicine, University of Helsinki, Finland, 1991.
- Plenary lecturer, Canadian Society of Forensic Sciences, University of Ottawa, Canada, June 1991.
- Invited lecturer, Traffic Law Enforcement seminar, Madison, Wisconsin, November, 1991.
- Invited lecturer, 7th National Seminar, Minnesota Society of Criminal Justice, Orlando, Florida, February 1992.
- Invited lecturer, symposium on Forensic Alcohol Analysis and Toxicology, California Society of Criminalists, Huntington Beach, California, 1992.
- Invited lecturer, Course on Forensic Alcohol Analysis, Canadian Society of Forensic Sciences, University of Ottawa, June 1993.
- Invited lecturer, Texas Department of Public Safety, Austin, Texas, February 1994.
- Invited keynote speaker, 7th meeting of the International Association for Chemical Testing (IACT), Denver, Colorado, April 1994.
- Invited lecturer, Colorado State University, Denver, Colorado, April 1994.
- Invited lecturer, Forensic Alcohol Course, Santa Ana, California, February 1995.

- Invited lecturer, Washington State Highway Patrol, Seattle, Washington, February, 1995.
- Invited keynote speaker, 8th meeting of the International Association for Chemical Testing (IACT), Milwaukee, Wisconsin, April 1995.
- Invited speaker, at the 11th US National Seminar of the Minnesota Society of Criminal Justice, Orlando, Florida, February 1996.
- Invited lecturer "Forensic Alcohol Analysis and Toxicology" Florida Law Enforcement Agency, Orlando, Florida, February 1996.
- Invited speaker, Arizona Attorneys for Criminal Justice, Defense Seminar, Phoenix, Arizona, May 1996.
- Invited speaker, International Conference on Road Safety in Europe, Birmingham, UK, Sept. 1996
- Invited keynote speaker, International Conference on Alcohol, Drugs, and Driving, Budapest, November. 1996.
- Invited lecturer at a workshop on the pharmacokinetics of drugs of abuse, American Academy of Forensic Sciences Meeting, New York, February 1997.
- Invited speaker at a workshop organized by the European Society for Biomedical Alcohol Research, Stockholm, June 1997.
- Invited participant in a workshop devoted to in-vivo pharmacokinetics of alcohol organized by the National Institute of Health (USA), National Institute on Alcohol Abuse & Alcoholism (NIAAA), Bethesda, Maryland. December 1997.
- Invited lecturer, Forensic Alcohol Supervisor Course, Newport Beach, California, February 1998.
- Invited speaker at International Symposium on women and alcohol, Stockholm, Sweden, 1998.
- Invited speaker, at the 14th US National Seminar of the Minnesota Society of Criminal Justice, Las Vegas, February, 1999.
- Invited keynote speaker at the 12th meeting of the International Association for Chemical Testing (IACT), North Carolina, April 1999.
- Invited lecture, Danish Society for Forensic Medicine, Århus Denmark, 1999.
- Invited lecturer and chairman of the Alcohol Section of the International Association of Forensic Sciences, Los Angeles California, 1999.
- Invited participant in the Borkestein symposium on Alcohol, Drugs and Transportation, Taipei, Taiwan 1999.
- 15th International Conference on Alcohol, Drugs, and Traffic Safety (plenary speaker),

Stockholm, Sweden, May 2000.

- Instructor, Alcohol Symposium for Law enforcement officers, West Palm Beach, Florida, July 2000.
- Plenary speaker and symposium chairman, 38th International Meeting of the International Association of Forensic Toxicologists (TIAFT), Helsinki, Finland, August 2000.
- Instructor, Forensic Alcohol Supervisors Course, Newport Beach, Santa Ana, California, September 2000.
- Invited special guest and lecturer at the Institute for Forensic Research, Cracow, Poland, November, 2000.
- Invited presenter at workshop on ETHANOL held in conjunction with the Society of Forensic Toxicology meeting, New Orleans, October 2001.
- Invited lecturer Postgraduate Training Program for Forensic Toxicology at the University in Szeged, Hungary, March 2002.
- Invited speaker at 10th conference on Mastering Scientific Evidence in DUI/DWI Cases, Atlanta, Georgia, April, 2002.
- Invited plenary speaker at the 15th International Association of Chemical Testing, Austin, Texas (IACT), April 2002.
- Invited lecturer, 4th Lion Intoxilyzer Users Group Meeting, Bedfordshire, UK, October 2002.
- Invited speaker on the occasion of Dr. Rolf Ifflands' retirement from the Department of Forensic Medicine, University of Köln, Germany, March 2003.
- Invited speaker at Department of Forensic Medicine, University of Helsinki, Finland on the occasion of Professor Erkki Vuori's 60th birthday, April 2003.
- Invited keynote speaker at the 16th meeting of the International Association of Chemical Testing (IACT), Coco Beach, Florida, April 2003.
- Invited speaker at the breath-alcohol workshop organized by Institute of Police Technology and Management, University of North Florida, held in Orlando, May 2003.
- Invited speaker at a meeting entitled "Independence and objectivity in Forensic Science – Problems and Solutions, Queens University, Cambridge, UK, July 2003.
- Invited keynote speaker at the California Association of Toxicologists meeting, Santa Rosa, CA, USA, August 2003.
- Invited speaker at the 11th conference Mastering Scientific Evidence in DUI/DWI Cases, Atlanta, Georgia, April, 2004.
- Invited plenary speaker at the 17th meeting of the International Association of Chemical Testing, Little Rock, Arkansas, April 2004.

- Invited speaker at retirement symposium for Professor Antti Penttilä chairman of the Department of Forensic Medicine, University of Helsinki, Finland, November 2004.
- Invited symposium speaker “Forensic aspects of alcohol” New York State, New York City, December 2004.
- Invited speaker at Advanced Workshop on the Science behind the Intoxilyzer 5000 and 8000 Breath-testing Instruments, Atlanta, Georgia, December 2004.
- Invited speaker, 18th Annual Meeting of Arizona Attorneys for Criminal Justice, Defense Seminar, Tucson, Arizona, May 2005.
- Invited keynote speaker at Annual DUI seminar of the National Association of Criminal Defense Lawyers (NACDL), Las Vegas, October 2005.
- Invited speaker at a course on Forensic Toxicology and Drugs of Abuse at the Department of Forensic Medicine, University of Helsinki, Finland, March, 2006.
- Invited keynote speaker at the Italian Society of Legal Medicine, Rome, Italy, June 2007.
- Invited speaker at a symposium in honor of Professor Robert Forrest on the occasion of his retirement from the UK National Health Service, University of Sheffield, UK, June 2007.
- Invited speaker at symposium in honor of Docent Ilkka Ojanperä on the occasion of his 50th birthday, Department of Forensic Medicine, University of Helsinki, Finland, December 2007.
- Invited speaker at Meeting on Impaired Driving Litigation, Georgia Lawyers Association, Atlanta, Georgia, December 2007.
- Invited special guest speaker at 21st Annual Seminar on Aggressive Defense of the Accused Impaired Driver, Arizona Attorneys for Criminal Justice, Tucson, Arizona, May 2008.
- Invited speaker at the 1st International Eurasian Conference on Forensic Sciences, Istanbul Turkey, October, 2008.
- Invited speaker at Emory University in a seminar for lawyers entitled forensic aspects of blood and urine, Atlanta, Georgia, December 2008.
- Invited plenary speaker at a symposium arranged to celebrate the 50th anniversary of forensic toxicology at the University of Glasgow, Scotland, UK.
- Invited plenary speaker at the XXIst Congress of the International Academy of Legal Medicine, Lisbon, Portugal.
- Speaker at a course on blood and urine alcohol testing for defense lawyers in San Diego, CA, May 2009.
- Invited plenary speaker at the 47th International Meeting of the International Association of Forensic Toxicologists (TIAFT), Geneva, Switzerland, August, 2009.

- Invited lecturer at Annual Conference for the Coroners of Ireland, County Kildare, September, 2009.
- Invited plenary speaker at Meeting of the Medico-Legal Society of Italy, Ancona, Italy September 2009.
- Invited lecture at the Department of Forensic Chemistry, University of Copenhagen, Denmark, March 2010.
- Invited lecture on breath-alcohol analysis and the blood-breath ratio at UK Department of Transportation, London, May, 2010.
- Invited lecture at retirement seminar held in honor of Professor Erkki Vuori, University of Helsinki, Finland, January 2011.
- Invited speaker at the Baltic Forensic Toxicology meeting, Vilnius, Lithuania, June 2011.
- Invited keynote speaker at Annual Meeting of the Italian Society of Legal Medicine, Rome, June 2012.
- Invited to deliver the annual Hjelt lecture at the University of Helsinki, Finland, October 2012.
- Invited keynote speaker at the 50th Anniversary meeting of The International Association of Forensic Toxicologists (TIAFT), London, UK, April 2013.
- Invited keynote speaker at the California Association of DWI Lawyers meeting in San Francisco, CA, May 2013.
- Invited keynote speaker at annual meeting of the National College for DUI Defense lawyers, Harvard University, Boston USA, July 2013.
- Invited keynote speaker at 21st Annual Mastering Scientific Evidence in DWI/DUI cases, New Orleans, March, 2014.
- Invited speaker International Borckenstein course on alcohol, drugs and driving, Glasgow University, Scotland, UK, April 2014.
- Invited keynote speaker at meeting of the California Association of DWI Lawyers, San Francisco, CA, May 2014.
- Invited keynote speaker at the London Toxicology Group meeting on zero tolerance laws for driving under the influence of drugs, London, UK, February, 2015.
- First meeting of the Nordic Association of Forensic Toxicologists (NAFT), Stockholm, Sweden, June 2015.
- Guest lecturer, Department of Forensic Medicine, University of Helsinki, Finland, November, 2015.

- Invited speaker, Italian Society of Forensic Toxicologists, Rome, Italy, May 2016.
- Invited speaker, 6th Annual Meeting of the United Kingdom and Ireland Association of Forensic Toxicology (UKIAFT), Manchester UK, August 2016.
- Invited plenary lecturer at Legal Medicine Meeting in Rome, November 2016.
- Invited keynote speaker at 24st Annual Mastering Scientific Evidence in DWI/DUI cases, New Orleans, March, 2017.
- Invited plenary speaker at the 30th meeting of the International Association of Chemical Testing (IACT), Colorado Springs, Colorado, April 2017.

Expert testimony

Since 1980 I have had many invitations to serve as an expert witness in criminal trials involving driving under the influence of alcohol and drugs in lower courts (Tingsrätt), appeal courts (Hovrätt) and the Supreme Court (Högsta Domstolen) of Sweden. In the main this has involved testifying over the telephone on a pre-arranged date and time. However, many personal appearances have also taken place.

Perhaps of more significance is the fact that I have been invited to testify as an expert witness in alcohol and drug-related crimes in several other nations, including Denmark (twice), Norway (twice, including the Supreme Court), USA (6 States; Arizona, Michigan, New Jersey, Indiana, Delaware and Massachusetts), Great Britain (twice), Ireland (once) and New Zealand (once by video link). These international assignments have involved various aspects of use of blood and breath-alcohol testing in law enforcement, such as variability in blood-breath ratios of alcohol, impact of interfering substances etc., drug-impaired driving and the relationship between toxicology results and impairment, as well as interpretation of post-mortem concentrations of drugs in poisoning deaths.

Membership of editorial boards of scientific journals (past and current)

1. Journal of Traffic Medicine (retired).
2. Canadian Forensic Science Society Journal (retired).
3. Journal of Forensic Sciences (retired).
4. Forensic Science International.
5. Alcohol & Alcoholism.
6. Encyclopedia of Forensic Sciences.
7. Journal of Clinical Forensic Medicine (renamed J Forensic & Legal Med).
8. Encyclopedia of Forensic Science and Legal Medicine.
9. Journal of Analytical Toxicology.
10. Journal of Breath Research (retired).

Peer reviewer of manuscripts submitted to other international journals

In addition to editorial duties and peer review for the journals listed above, I have also served as *ad hoc* peer reviewer for manuscripts submitted for publication to the following international journals:

1. Accidents Analysis & Prevention.
2. Addiction Biology.
3. Addiction.
4. Alcohol.
5. Alcohol, Drugs, and Driving (no longer published).
6. Alcoholism; Clinical and Experimental Research.
7. Analytical Chemistry.

8. Anesthesiology.
9. Annals of Clinical Biochemistry.
10. Analytical Biochemistry.
11. Arab Journal Forensic Sciences and Forensic Medicine.
12. Bioanalysis.
13. Blutalkohol.
14. BMC Public Health.
15. British Journal of Clinical Pharmacology.
16. Case Reports in Critical Care.
17. Chromatography.
18. Clinical Chemistry.
19. Clinical Pharmacokinetics.
20. Clinical Toxicology.
21. Current Drug Abuse Reviews.
22. Drug Testing and Analysis.
23. Experimental Physiology.
24. European Journal of Clinical Pharmacology.
25. Forensic Science Review.
26. Forensic Science, Medicine & Pathology.
27. Forensic Toxicology.
28. Human Psychopharmacology - Clinical and Experimental.
29. International Journal of Drug Policy.
30. International Journal of Endocrinology.
31. International Journal of Legal Medicine.
32. Journal of Applied Physiology.
33. Journal of Clinical Epidemiology.
34. Journal of Clinical Psychiatry.
35. Journal of Forensic Science Society (renamed Science & Justice).
36. Journal of Hepatology.
37. Journal of Clinical and Laboratory Medicine.
38. Journal of Clinical Psychiatry.
39. Journal of Occupational Medicine and Toxicology.
40. Journal of Studies on Alcohol (re-named J Studies Alcohol & Drugs).
41. Journal of Pharmacy and Pharmacology.
42. Journal of Pharmaceutical and Biomedical Analysis.
43. Medicine, Science & the Law.
44. Pharmacology & Toxicology.
45. Psychopharmacology.
46. Psychiatry and Clinical Neuroscience.
47. Scandinavian Journal of Clinical and Laboratory Investigation.
48. Scandinavian Journal of Gastroenterology.
49. Scandinavian Journal of Trauma.
50. Science & Justice.
51. Talanta.
52. Traffic Injury Prevention.

FOREIGN TRAVEL

During the past 45 y I have attended many international conferences and scientific meetings to present the results of my research as oral and poster presentation. The countries and continents visited are listed below.

Europe. Denmark, Finland, France, Iceland, Italy, Ireland, Lithuania, Norway, Germany, Spain, Hungary, Great Britain (England, Scotland, Wales), Poland, Portugal, The Netherlands,

Norway, Russia, Slovenia, Turkey, Switzerland, Lithuania.

USA. Arkansas, Arizona, California, Colorado, Florida, Georgia, Indiana, Minnesota, New Jersey, New York, Nevada, North Carolina, Texas, Washington DC, Washington, Wisconsin.

Canada. Ottawa, Toronto, Edmonton.

Australia. Sydney, Melbourne, Adelaide, Hobart.

Asia. Hong Kong, Japan, Taiwan, South Korea.

TEACHING ACTIVITIES

During my PhD research at the University of Wales, Institute of Science and Technology in Cardiff, I served as a demonstrator in the department of chemistry. This entailed organization and supervision of undergraduate students in their practical classes for teaching analytical and inorganic chemistry. I also had responsibility for several students doing their research project as part of their honors degree in chemistry.

In connection with the pharmacology course for medical students at Karolinska Institutet, I helped to organize practical classes to demonstrate pharmacokinetics and impairment effects of small doses of ethanol. I demonstrated the usefulness of a breath-alcohol analyzer as surrogate for sampling blood to measure concentration-time profiles of ethanol.

Since 1973 I have lectured for undergraduate and postgraduate students about ethanol and other drugs and analysis in body fluids, and the pharmacological effects on the individual. Other teaching activities involve forensic toxicology of alcohol and other drugs, medical statistics, absorption, distribution, metabolism and excretion of drugs etc.

For use by police, prosecutors and other in the legal profession, I have produced a number of books dealing with the subject of alcohol, drugs and driving impairment. Another solo-authored book was entitled "Perspective in Drug Discovery" which traced the origin of many licit and illicit drugs and how they were discovered and act in the body.

I have organized and taught courses on the effects of alcohol and other drugs for police officers, public prosecutors and the judiciary in Sweden and in USA. In this connection, I have prepared lecture notes and handout materials covering a wide range of topics in forensic toxicology with major focus on blood and breath-alcohol testing. These efforts have culminated in publication of two books (in Swedish), one entitled "Alcohol and Traffic Crimes - A duty for forensic chemistry," pp 1-150 and "Forensic aspects of alcohol" pp 1-113.

For many years I lectured to medical and postgraduate students about scientific publishing, authorship practices, and journal impact factors. I have also supervised research of students for MD/PhD degrees including Dr. Jack Neiman (1988), Dr. Joachim Zdolsek (2000), Dr. Stergios Kechagias (2001), Dr. Åke Norberg (2001) and Dr. Robert Kronstrand (2001), all of whom successfully defended their theses.

Since May 1989 I have been an instructor on the Borkenstein alcohol course, which is held biannually at Indiana University, Center for Studies of Law in Action in Bloomington, IN.

PUBLISHED WORK

My name appears as author or co-author on about 420 journal articles, reviews and/or book chapters dealing with forensic toxicology of ethanol and other drugs of abuse (see separate list of publications).

These articles have appeared in ~100 different peer reviewed journals and I am sole author on more than 50% of these works. Over the past 30 years I have presented hundreds of papers and posters at international conferences devoted to alcohol and addiction research, legal medicine and forensic toxicology, especially American Academy of Forensic Sciences (AAFS), The International Association of Forensic Toxicologists (TIAFT), and International Council on Alcohol, Drugs and Traffic Safety (ICADTS) etc.