LEON L. ROBERT, Jr., PhD
Curriculum Vitae

PERSONAL INFORMATION

Current Position: Professor of Engineering Practice, Charles D. Davidson School of Chemical Engineering & Professor of Clinical Practice, Department of Entomology

Address: Purdue University, Stadium Mall Drive, West Lafayette, Indiana 47907-2100

Previous Position: Professor and Head, Department of Chemistry and Life Science
United States Military Academy, West Point, NY 10996
Brigadier General, U.S. Army (Retired)

Home address: 7901 Liberty Circle S., Amarillo, TX 79119

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Family: Amy (Spouse), Marshall (Son), John (Son)

EDUCATION

1987	PhD.	Entomology, Texas A&M University, College Station; TX
2006	M.S.S.	Strategic Studies, U.S. Army War College, Carlisle, PA
1983	MS.	Biology (with Distinction), Old Dominion University, Norfolk, VA
1981	M.Ed.	Science Education (with Distinction), State University of New York, Potsdam, NY
1977	BA.	Biology, State University of New York, Potsdam, NY

PROFESSIONAL APPOINTMENTS

2024-present	Member, Purdue Institute of Inflammation, Immunology and Infectious Disease (PI4D)
2023-present	Professor of Engineering Practice, Davidson School of Chemical Engineering & Professor of Clinical Practice, Department of Entomology, Purdue University
2023-Present	Member, Purdue Military Research Institute, Purdue University
2021-2023	Consultant, Purdue Military Research Institute and Davidson School of Chemical Engineering, Purdue University
2013-Present	Professor Emeritus, United States Military Academy (USMA), West Point, NY
2011-2017	Professor & Head, Department of Chemistry and Life Science, USMA
2008-2011	Associate Professor & Deputy Head, Department of Chemistry and Life Science, USMA
2008-2017	Research Fellow, Network Science Center, USMA
2009-2010	Vice Dean, National Military Academy of Afghanistan, Kabul, Afghanistan

2007-2008 Academy (Associate) Professor & Director, Life Science Program, Department of Chemistry and Life Science, USMA
2005-2007 Associate Professor, Department of Chemistry and Life Science, USMA
2005-2016 Adjunct Associate Professor, Department of Preventive Medicine & Biometrics Uniformed Services University of the Health Sciences, Bethesda, MD
2001-2003 Associate Professor and Deputy Director, Division of Tropical Public Health, Uniformed Services University of the Health Sciences
1995-1998 Assistant Professor and Executive Officer, Department of Chemistry, USMA
1992-1995 Research Scientist and Manager, Leishmaniasis Section, United States Army Medical Research Unit, Nairobi, Kenya
1987-1990 Research Scientist, Walter Reed Army Institute of Research, Washington, DC

INDUSTRY POSITION

2018-2023 Project Manager, Contractor and Consultant,
Chevron Oil & Gas industry in Permian Basin and
Cleveland Cliffs Inc., Indiana Harbor Steel Making Plant

TEACHING EXPERIENCE

Purdue University
2025-present ENTM 39300: Insect Biology Practicum (fall)
2025-present CHME 59700: Introduction to the Upstream Oil & Gas Industry (spring)
2024-present ENTM 52500: Medical and Veterinary Entomology (spring)
2022-present CHME 59700: Purdue Military Research Institute Seminar (fall & spring)

United States Military Academy
1995-1998 General Chemistry I and II
2010-2017 General Chemistry I and II
1996-1997 Introduction to Biology
1997-2010 Human Physiology
2005-2006 Genetics
2006-2007 Cell Biology
2005-2017 Introduction to Research and Individual Research I and II

Uniformed Services University of the Health Sciences
2001-2003 Medical Parasitology Laboratory for medical students
2001-2003 Biosystematics in Medical Zoology
2001-2003 General Entomology

University of Nairobi, Nairobi, Kenya
1994-1995 Parasitology

UNIVERSITY SERVICE

2024-Present Defense Innovation Advisor Council, College of Engineering
2024-Present MS student Co-advisor, Computer and Information Technology
2024-Present Member, Graduate Committee, Dept. of Health & Kinesiology
2024, spring Supervisor for Graduate Teaching Assistant, Department of Entomology

2023-Present Graduate Student Mentor, School of Chemical Engineering
2023-Present Research Advisor, MS student, Uniformed Services University
2022-Present Mentor, Science, Mathematics, and Research for Transformation (SMART) Scholarships (**2 Awardees**)
2021-Present Member, Purdue Military Research Institute (PMRI)
2023-Present Organizing Committee, Annual PMRI Research Symposium
2023-2016 Member, Graduate Committee, Dept. of Educational Psychology
2022-2024 Member, Graduate Committee, Dept. of Industrial Engineering

Board Certifications

1990-2017 Board Certified Entomologist (Medical/Veterinary Entomology, Certification No. 2293, Entomological Society of America, Lanham, MD.
1990-2008 Certified Pesticide Applicator (Certification No. A-169-05), Department of Defense
2007 Master Teacher Certificate, United States Military Academy

Awards and Honors

2017 St. Lawrence Academy Medal for distinguished and exceptional contributions in education, School of Education Alumni Assoc., SUNY Potsdam, NY
2010 Leadership Excellence Award, National Military Academy of Afghanistan
2002 Silver Medal Literary Award, Token and Medal Society
2003 Silver Medal Literary Award, Token and Medal Society
2001 Order of Military Medical Merit, Office of the US Army Surgeon General
2001 Certificate of Commendation, Department of Defense
1999 “A” Proficiency Designator, Office of the US Army Surgeon General (Equivalent to Full Professor status)
1997 Gold Medal Award and Honor Graduate, US Army Management Staff College
1992 Commander’s Award, Academy of Health Sciences, US Army
1991 Commandant's List (top 10%), AMEDD Officer Advance Course
1990 Scientific Excellence Award from U.S. Army Surgeon General
1987 Phi Kappa Phi, Texas A&M University (top 10% of class)
1987 Distinguished Honor Graduate, Principles of Military Preventive Medicine
1987 Commandant's List (top 10%), AMEDD Officer Basic Course
1986 Texas Pest Control Association Scholarship
1985 National Pest Control Association Scholarship

Research Grants and Contracts Awarded

2025-2030 Korea Institute for Advancement of Technology. $1,815,000.00
Purdue-Korea Center of Operation and Research for Industry Advancement (CORIA) focused on emerging and advanced technology capabilities in three technology thrust areas critical for driving innovation and discovery: semiconductors, smart batteries, and future mobility. (faculty member)
2004-2205 Joint Munitions Command, Crane Army Ammunition Plant, $50,00 contract. Systems engineering analysis of M68 mortar burster tube production to improvement production standards and educe reject rate.
2022-2026 Department of Defense, Armed Forces Pest Management Board, Deployed

	Warfighter Protection (AFPMB - DWFP) Program Department of Defense Grant. $900,000. Pesticide Usage Web-Based Archival and Retrieval System and iOS Mobile App (Co-PI)
2015-2016	Program Executive Office – Ammo (PEO-Ammo) Grant. $100,000. Enhanced lethality of the M759 155-mm artillery high explosive unitary round using a potential new combination of fragmentation, fusing, and explosive fill (PI).
2014-2015	PEO-Ammo Grant. $50,000. *Defining the characteristics of pyrotechnics mixing of explosive and pyrotechnic surrogate compounds using acoustic mixing technology* (PI).
2013-2014	PEO-Ammo Grant. $50,000. Developing a chlorine-free variant of the red-light-emitting flare (PI).
2012-2013	United States Army Armament Research, Development and Engineering Center Grant. $10,000. Physical and chemical analysis of demilitarized magnesium (PI).
2010-2013	United States Army Medical Research and Materiel Command Grant. $150,000. Development of a siRNA therapeutic to address heterotopic ossification, a condition of uncontrolled bone spur growth following combat-related amputation (Co-PI; Dr. Jeffrey Hollinger, Carnegie Mellon University, PI).
2009-2010	United States Army Research Office Grant. $360,000. Biological Networks: The perturbation of genetic and metabolomic circuits in response to an environmental contaminant. (Co-Investigator; Dr. Ken Wickiser, USMA, PI).
2007-2008	United States Military Academy Grant. $2,000. Vector-borne disease assessment using ticks from hunter-killed deer at West Point (PI).
2002-2003	United States Army Medical Research and Materiel Command Grant. $150,000. Geographic information system analysis of vegetation and malaria risk in an isolated village in western Thailand (PI).
1993-1995	World Health Organization, Tropical Disease Research Grant. $50,000. Experimental immunization against cutaneous leishmaniasis using *Leishmania major* subcellular fractions alone or in combination with *Phlebotomus duboscqi* gut antigens (Co-PI; Dr. Chris Anjili, PI, Kenya Medical Research Institute).

Academic Leadership and Committee Memberships

2014-2017	Chair, USMA Preparatory School Curriculum Committee, USMA
2012-2017	Chair, USMA Math, Science and Engineering Committee, USMA
2005-2017	Member, Medical School Selection Committee, USMA
2011-2017	Member, Academic Board and General Committee, USMA
2015	National Judge, US Army eCYBERMISSION STEM Competition
2015-2016	Member, Doctoral Committee, Mr. Anthony Chase, Purdue University
2013-2015	Member, West Point Installation Policy Board
2033-2016	Head Officer Representative for Class of 2017, NCAA Army Football Team
2012	Judge, Beacon Conference (regional college research competition)
2011	Member, Medical Panel, US Army Basic Science Review
2006-2011	Head Coach and Officer-in-Charge, West Point Skeet & Trap Team
2008-2009	Member, Gender Equity Subcommittee, West Point

Advisory Boards and Journal Reviewer

2023-Present	Reviewer, Proceeding of the Purdue Military Research Institute Symposium
2009-2013	Member, Technical Advisory Board, Edgewood Chemical & Biological Center

2001-2002 Member, Basic Medical Science Review Panel, Department of the Army
2008-2010 Vice-Chair, Information Technology, Armed Forces Pest Management Board
2001-2003 Chair, Medical Entomology, Armed Forces Pest Management Board
2001-2003 DoD Representative, Early Detection and Rapid Response Subcommittee National Invasive Species Council, Department of the Interior
2010-2017 Reviewer, Journal of Military Medicine
2003-2008 Reviewer, Journal of the American Mosquito Control Association

Professional Society Memberships

1987-Present Phi Kappa Phi Honor Society (Life Member)
1987-2017 Entomological Society of America (30 years)
1987-Present The American Legion, Post 93, Norfolk, NY (senior ranking member)
1987-2015 American Mosquito Control Association
1987-1995 Sigma Xi Research Honor Society
1987-1995 Alpha Zeta Agriculture Honor Society

Military Education

2006 U.S. Army War College, M.S.S. in Strategic Studies
2003 Battalion/Brigade Pre-Command Course
2003 Battalion/Brigade Legal Course
2002 Worldwide Joint Planning Course
1998 Defense Strategy Course, US Army War College
1997 U.S. Army Management Staff College (Honor Graduate, top 5%)
1997 U.S. Army Command and General Staff College
1992 Combined Arms Services Staff School
1991 Preventive Medicine Management Course
1991 Officer Advanced Course, Army Medical Department
1988 Air Assault School (Distinguished Honor Grad)
1987 Principles of Military Preventive Medicine Course (Distinguished Honor Grad)
1987 Officer Basic Course, Army Medical Department (Commandant's List, top 10%)

Military Awards & Decorations

2017 Distinguished Service Medal -Distinguished 30+ year Army career
2016 Defense Meritorious Service Medal (3 Awards) – Exceptionally meritorious DoD service
2001 Army Meritorious Service Medal (5 Awards) – Exceptionally meritorious DoD service
1998 Joint Service Commendation Medal
1991 Army Commendation Medal
1988 Joint Service Achievement Medal
2000 Army Achievement Medal (4 Awards)
2012 National Defense Service Medal (2 Awards)
2002 Kosovo Campaign Medal (2 Bronze Service Stars) – Distinguished service
2016 Afghanistan Campaign Medal (2 Campaign Stars) – Distinguish combat service
2010 Global War on Terrorism Expeditionary Medal
2010 Global War on Terrorism Service Medal
1991 Korea Defense Service Medal – Republic of Korea service

1991 Armed Forces Service Medal
1999 Humanitarian Service Medal - Albania service
1987 Army Service Ribbon
2016 Overseas Service Ribbon (8 Awards)
2000 NATO Medal-Kosovo
2010 NATO Medal-ISAF -Combat service, Afghanistan
2000 Joint Meritorious Unit Award
2000 Army Superior Unit Award (2 Awards) – Honduras
1988 Expert Field Medical Badge
1988 Air Assault Badge (Distinguished Honor Graduate)
1999 German Military Proficiency Badge

PATENT

U. S. Patent, 9,193,637 B1. *Magnesium/Alkyl Polysulfide White Star Illuminants*, Sabatini, J.J., **L. L. Robert Jr**., and J.D. Moretti, November 24, 2015.

PUBLICATIONS

Peer-Reviewed Publications

44 Cornel, J., **L.L. Robert**, L, Long and C. Olsen. 2025. U. S. Military Pest Management Trends in Iraq and Afghanistan. *Army Medical Department (AMEDD) Journal*, In Press

43 **Robert, LL**, M. Hill, R. Moore, M. Deubler, J. Bast, J. Cornell, and A. D. Gondhalekar. 2025. A New Department of Defense Contingency Pesticide Usage Database (CPUD) for Collecting and Reporting Overseas Pest Management Operations. *Army Medical Department (AMEDD) Journal*, In Press

42 **Leon L. Robert** and Carl J. Wojtaszek. 2024. Closing the Gap: Officer Advanced Education STEM+M (Management). *Parameters,* Summer Edition, 54(2):111-127.

41 Zollner GE, J Sattabongkot, JA Vaughan, P Kankaew, **LL Robert**, K Thimasarn, R Sithiprasana, and RE Coleman. 2016. Longitudinal evaluation of malaria epidemiology in an isolated village in western Thailand: I Study site and adult anopheline bionomics. *Southeast Asian Journal of Tropical Medicine and Public Health*, 47:341-365.

40 **L.L. Robert**, M.P. Labare, O.V. Ellis, and A.L. Shoop. 2015. Effects of Short-Chain Fatty Acids on House Crickets, Orthoptera: Gryllidae. *Journal of Agriculture and Life Sciences*, 2:1-5.

39 **L.L. Robert** and M. Debboun. 2014. The growing challenges of vector-borne diseases to regionally aligned forces. *U.S. Army Medical Department Journal*, Jul-Sep 2015:6-10

38 Sabatini, J.J., J.D. Moretti, D.R. Hall, and **L.L. Robert**. 2013. Recover, recycle, and reuse: Prove-out of pyrotechnic illuminants containing demilitarized magnesium. *ChemPlusChem*, 78:1358-1362. Wiley VCH publisher featured this paper amongst their "*hottest papers*" in sustainable chemistry.

37 Safi, N., G.D. Davis, M. Nadir, H. Hamid, **L.L. Robert,** and A.J. Case. 2012. Evaluation of thermotherapy for the treatment of cutaneous leishmaniasis in Kabul, Afghanistan: A Randomized Controlled Trial. *Military Medicine* 177:345-351.

36 Ngumbi, P.M., **Robert, L.L.**, Irungu, L.W., Kaburi, C.J. and Anjili, C.O. 2012. Nocturnal activities of phlebotomine sand flies (Diptera: Psychodidae) in Baringo County, Kenya. *Afr. J. Health Sci*. 23:232-237.

35 **Robert, L.L.,** and S.E. Rankin. 2011. The expanding role of military entomologists in stability and counterinsurgency operations. *U.S. Army Medical Department Journal*, Jul-Sep 2011:12-16.

34 Debboun, M., **L. Robert**, L. O'Brien, R. Johnson, and S. Berté. 2006. Vector control and pest management. *U.S. Army Medical Department Journal*, Apr-Jun 2006:31-40.

33 **Robert, L.L.**, P. D. Santos-Ciminera, R.G. Andre, G. W. Schultz, P.G. Lawyer, J. Nigro, P. Masuoka, R.A. Wirtz, J. Neely, D. Gaines, C.E. Cannon, D. Pettit, C.W. Garvey, D. Goodfriend, and D.R. Roberts. 2005. *Plasmodium*-infected *Anopheles* mosquitoes collected in Virginia and Maryland following local transmission of *Plasmodium vivax* malaria in Loudoun County, Virginia. *J. Am. Mosq. Control Assoc.*, 21:187-193.

32 **Robert, L.L.** and J.R. Yelton. 2002. A Case of imported furuncular myiasis in a U.S. soldier in Germany. *Military Medicine*, 167:990-993.

31 Pastor, A., J. Neely, D. Goodfriend, J. Marr, S. Jenkins, D. Woolard, D. Pettit, D. Gaines, D. Stockwell, C. Garvey, C. Jordan, C. Lacey, T. DuVernoy, D. Roberts, **L. Robert**, P. Santos, R. Wirtz, J. MacArthur, M. O'Brien, and L. Causer. 2002. Local Transmission of *Plasmodium vivax* malaria – Virginia, 2002. *MMWR*, 51:921-923.

30 ***Robert, L.L.*** 2001. Malaria surveillance and control in the United States military. *Medicine Tropical*, 61:67-76.

29 **Robert, L.L.**, M.J. Perich, Y. Schlein and R.L. Jacobson. 1998. *Bacillus sphaericus* inhibits hatching of phlebotomine sand fly eggs. *J. Am. Mosq. Control Assoc.*, 14:351-352.

28 Ngumbi, P.M., L.W. Irungu **L.L. Robert**, D.M. Gordon, and J.L. Githure. 1998. Abundances and nocturnal activities of phlebotomine sandflies (Diptera: Psychodidae) in termite hills and animal burrows in Baringo District, Kenya. *Afr. J. Health Sci*., 5:28-34.

27 **Robert, L.L.**, M.J. Perich, Y. Schlein, R.L. Jacobson, R.A. Wirtz, P.G. Lawyer and J.I. Githure. 1997. Phlebotomine sand fly control using bait-fed adults to carry the larvicide *Bacillus sphaericus* to the larval habitat. *J. Am. Mosq. Control Assoc.*, 13:140-144.

26 **Robert, L.L.**, Mbati, P.A., Schaefer, K.U., Shatry, A.M., Anjili, C.O., and Githure, J.I. 1997. Parasitological and serological survey of domestic goats for leishmaniosis in Baringo District, Kenya. *Journal of Protozoological Research*, 7:107-113.

25 Killick-Kendrick, R., Y. Tang, R.N. Johnson, P.M. Ngumbi and **L.L. Robert**. 1997. Phlebotomine sandflies of Kenya (Diptera: Psychodidae). V. The subgenus *Paraphlebotomus* and a description of *Phlebotomus mireillae* n. sp. *Ann. Trop. Med. Parasitol.*, 91:417-428.

24 Walker, T.W., **L.L. Robert**, R.S. Copeland, A.K. Githeko, R.A. Wirtz, J.I. Githurie and T.A. Kline. 1996. Field evaluation of arthropod repellents, deet and a piperidine compound, AI3-37220, against *Anopheles funestus* and *Anopheles arabiensis* in western Kenya. *J. Am. Mosq. Control Assoc.*, 12:172-176.

23 Ingonga, P., P.A. Mbati, C.O. Anjili, A. Mutani, B. Wishitemi, S. Odongo, **L.L. Robert** and J.I. Githure. 1996. The effect of immune sera from hamsters immunized with sandfly gut and whole-body extract antigens on the fecundity and mortality of *Phlebotomus duboscqi* (Diptera: Psychodidae). *Acta Tropica*, 60:269-279.

22 Copeland, R.S., T.W. Walker, **L.L. Robert**, J.I Githurie, R.A. Wirtz, and T.A. Klein. 1995. Response of wild *Anopheles funestus* to repellent-protected volunteers is unaffected by malaria infection of the vector. *J. Am. Mosq. Control Assoc.*,11:438-440.

21 Horosko, S. and **L.L. Robert**. 1995. Army vector control (Preventive Medicine) Operations during Operation Restore Hope, Somalia. *Military Medicine*, 161:577-581.

20 **Robert, L.L.**, K.U. Schaefer, A.M. Shatry, C.O. Anjili, , P.A. Mbati and J.I. Githure. 1995. Parasitological and serological survey of goats and sheep for visceral leishmaniasis in Baringo District, Kenya. In, *Studies on the Epidemiology of Visceral Leishmaniasis in*

Baringo District, Kenya. K. U. Schaffer, Ed., *Netherlands Foundation for the Advancement of Tropical Research*, Amsterdam, pp. 93-102.

19 Kim, H.C., K.W. Lee, **L.L. Robert**, M.R. Sardelis, and F.E. Chase. 1995. Seasonal prevalence of mosquitoes collected from light traps in Korea (1991-1992). *Korean J. Entomol.*, 25:225-234.

18 Mbati, P.A., C.O. Anjili, R. Lugalia, P. Mwanyumba, W.K. Tonui, **L.L. Robert** and J.I. Githure. 1995. Experimental immunization against cutaneous leishmaniasis using *Leishmania major* subcellular fractions alone or in combination with *Phlebotomus duboscqi* gut antigens. *E. Afr. Med. J.*, 72:40-43.

17 Ingonga, P., Mbati, P.A., Anjili, C.O., Mutani, A., Wishitemi, B., Odongo, S., **Robert, L.L.** and Githure, J.I. 1995. The effect of immune sea from hamsters immunized with sand fly gut and whole-body extracts on the fecundity and mortality of *Phlebotomus duboscqi* (Diptera: Psychodidae). *Acta Tropica*, 60:269-279.

16 **Robert, L.L.** and M.J. Perich. 1995. Phlebotomine sand fly (Diptera: Psychodidae) control using a residual synthetic pyrethroid insecticide. *J. Am. Mosq. Control Assoc.*, 11:195-199.

15 Anjili, C.O., P.A. Mbati, R.W. Mwangi, J.I. Githure, J.O. Olobo, **L.L. Robert** and D.K. Koech. 1995. The chemotactic effect of *Phlebotomus duboscqi* (Diptera: Psychodidae) salivary gland lysates to murine monocytes. *Acta Tropica*, 60:97-100.

14 **Robert, L.L.**, K.U. Schaefer, and R.N. Johnson. 1994. Phlebotomine sandflies associated with households of human visceral leishmaniasis cases in Baringo District, Kenya. *Ann. Trop. Med. Parasitol.*, 88:649-657.

13 Anjili, C.O., J.O. Olobo, P.A. Mbati, **L.L. Robert** and J.I. Githure. 1994. Experimental infection of domestic goats with *Leishmania major* through bites of infected *Phlebotomus duboscqi* and needle inoculation of culture-derived promastigotes. *Vet. Research Comm.*, 18:301-305.

12 Johnson, R.N., P.M. Ngumbi, D.K. Sang, R.W. Ashford, **L.L. Robert**, C.O. Anjili, Y.B. Mebrahtu, J.P. Mwanyumba, N.C. Mosonik and C.R. Roberts. 1993. Investigation of a second focus of cutaneous leishmaniasis due to *Leishmania tropica* in Kenya. *Trans. Roy. Soc. Trop. Med. Hyg.*, 87:142-144.

11 Johnson, R.N., P.M. Ngumbi, **L.L. Robert** and C.O. Anjili. 1993. Phlebotomine sandflies of Kenya (Diptera: Psychodidae). II. *Phlebotomus aculeatus* as a probable vector of *Leishmania tropica s.l. Ann. Trop. Med. and Parasitol.*, 87:541-544.

10 Johnson, R.N., Ngumbi, P.M., **Robert, L.L.**, Anjili, C.O., Killick-Kendrick, R.R., and Meredith, S.E.O. 1993. *Leishmania tropica s.l.* infection in Phlebotomus aculeatus. *Annals of Tropical Medicine and Hygiene*, 87:541-544.

9 Johnson, R.N., Ngumbi, P.M., **Robert, L.L.**, Anjili, C.O., Mebrahtu, Y.B., Mwanyumba, P.M., Mosonik, N.C. and Roberts, C.R. 1992. Investigation of a second focus of cutaneous leishmaniasis due to *Leishmania tropica* in Kenya. *American Journal of Tropical Medicine and Hygiene*, 47:183-184.

8 Coleman, R.E., **L.L. Robert**, L.W. Roberts, J.A. Glass, D.C. Seeley, A. Laughinghouse, P.V. Perkins, and R.A. Wirtz. 1993. Laboratory evaluation of repellents against four anopheline mosquitoes (Diptera: Culicidae) and two phlebotomine sand flies (Diptera: Psychodidae). *J. Med. Entomol.*, 30:499-502.

7 **Robert, L.L.**, R.E. Coleman, D.A. LaPointe, P.J.S. Martin, R. Kelly, and J.D. Edman. 1992. Laboratory and field evaluation of five repellents against the black flies *Prosimulium mixtum* and *P. fuscum* (Diptera: Simuliidae). *J. Med. Entomol.*, 29:267-272.

6 **Robert, L.L.**, I. Schneider, and R.A. Wirtz. 1991. Deet and permethrin as protectants against malaria-infected and uninfected *Anopheles stephensi* mosquitoes. *J. Am. Mosq. Control Assoc.*, 7:304-306.

5 **5 Robert, L.L.**, J.A. Hallam, D.C. Seeley, L.W. Roberts, and R.A. Wirtz. 1991. Comparative sensitivity of four *Anopheles* (Diptera: Culicidae) to five repellents. *J. Med. Entomol.*, 28:417-420.

4 **Robert, L.L.,** and J.K. Olson. 1989. Susceptibility of female *Aedes albopictus* from Texas to commonly used adulticides. *J. Am. Mosq. Control Assoc.*, 5:251-253.

3 **Robert, L.L.,** and J.K. Olson. 1989. Effects of sublethal dosages of insecticides on *Culex quinquefasciatus*. *J. Am. Mosq. Control Assoc.*, 5:239-246.

2 **Robert, L.L.,** and J.K. Olson. 1986. Temporal abundance and percent insemination of newly emerged adult female *Psorophora columbiae* near the larval habitat. *J. Am. Mosq. Control Assoc.*, 2:485-489.

1 **Robert, L.L.,** and J.F. Matta. 1984. Aquatic Macroinvertebrates in an irregularly flooded salt marsh: diversity and seasonal variation. *Environ. Entomol.*, 13:1097-1104.

Book Chapters

3 **Robert, L.L.,** and M. Debboun. 2017. Arthropods of public health importance. *In*, *Hunter's Tropical Medicine*. G. T. Strickland, 10th Ed., Elsevier B.V., Philadelphia, PA.

2 Gupta, R.K., **L.L. Robert** and P.G. Lawyer. 2003. Diseases transmitted primarily by arthropod vectors. *In*, *Military Preventive Medicine: Mobilization and Deployment, Volume 1*. P. W. Kelley, Ed. Office of the Surgeon General, Department of the Army, Washington, DC, pp. 469-501.

1 **Robert, L.L.** 2000. Control of arthropods of medical importance. *In*, *Hunter's Tropical Medicine*. G. T. Strickland, 8th Ed., W. B. Saunders Company, Philadelphia, PA.

Technical Publications

6 **Robert, L.L.** and Barden, J. 2015. A curious Darne 4-gauge “canardier”. *Double Gun Journal, 26:153-160.*

5 Davis, G., Lowe, D., **Robert, L.** 2009. Evaluation of Thermotherapy for the treatment of cutaneous leishmaniasis in Kabul, Afghanistan: A Randomized Controlled Trial. Study Report to the Ministry of Public Health National Malaria and Leishmaniasis Control Program, Kabul, Afghanistan.

4 **Robert, L.L.**, H.R. Rupp, and D.B. Carlson. 2003. Pesticide and Equipment Security – Continued Vigilance is the Key. *Wing Beats*, 14:22-31.

3 **Robert, L.L.** 2003. Yellow Fever-Related Exonumia. *Token and Medal Society Journal*, 43:65-75.

2 **Robert, L.L.** 2002. Medals of Walter Reed. *Token and Medal Society Journal*, 42:70-76.

1 **Robert, L.L.** 2002.Guide to Pest Surveillance during Contingency Operations. *Technical Guide No. 43*, Armed Forces Pest Management Board, Washington, DC, 145 pp.

Peer-Reviewed Conference Publications

8 *N. Hosaka, **L. Robert**,* J. E. Dietz, K. Yaddof, and E. Hoover. 2024. *The Use of Digital Twins to Achieve Military Manufacturing Excellence.* Purdue Military Research Institute Symposium.

7 **L. Robert** and C. Wojtaszek*. 2024. Keynote Address. Closing the Gap: Officer Advanced Education STEM+M (Management).*, Purdue Military Research Institute Symposium.

6 **L. Robert.** 2024. *Keynote Address. An Introduction to Military Technology Innovators*. Purdue Military Research Institute Symposium.

5 **L.L. Robert**, D.R. Hall, J.M. Raab, S.L. Lowell, J.J. Sabatini, and J.D. Moretti. 2014. Physical and Chemical Analysis of Demilitarized Magnesium: Teaching the Next Generation

of Energetics Professionals. *Proc. 40th International Pyrotechnics Society Seminar,* 40:392-397.

4 J.J. Sabatini, J.D. Moretti, D.R. Hall, and **L.L. Robert**. 2014. Recover, Recycle, and Reuse: Prove-Out of Pyrotechnic Illuminants Containing Demilitarized Magnesium. *Proc. 40th International Pyrotechnics Society Seminar,* 40:398-405.

3 **Robert, L.L.,** and J.K. Olson. 1986. Effects of sublethal doses of selected insecticides on reproduction in *Culex quinquefasciatus* Say. *Proc. Texas Mosquito Control Association*, 30:3-5.

2 **Robert, L.L.,** and J.K. Olson. 1985. Timing is critical for effective *Psorophora columbiae* adult control. *Proc. Texas Mosquito Control Association*, 29:9-10.

1 **Robert, L.L.,** and J.K. Olson. 1984. Observations of a newly emerged population of *Psorophora columbiae* up to initial dispersal from a rice field. *Proc. Texas Mosquito Control Association*, 28:11-12.

Recent Presentations

12 **L. Robert**, J. E. Dietz, N. Hosaka, D. Strazewski and Christina Yaddof. 2025.Digital Twins in Energetics Manufacturing How Virtual Models Support National Security. Defense Manufacturing Conference 2025, Orlando, FL.

11 Willeke, M., **L. Robert**, J. E. Dietz, E. McMonigle and C. Yaddof. 205. A Systems Engineering Approach to Optimize Composition B Pour Processes. Defense Manufacturing Conference 2025, Orlando, FL.

10 **L. Robert**. 2024. *Invited Presentation*, Department of Defense funding for Biomedical Research. Department of Biomedical Engineering, Purdue University.

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