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EDUCATION

Ph.D. in Entomology, May 2003
Kansas State University
Manhattan, Kansas

Masters in Pest Management, April 1995
Simon Fraser University
Burnaby, British Columbia (BC), Canada

PROFESSIONAL EXPERIENCE

Associate Professor,
Stored Product/Postharvest Pest Management
July 2014 - Present

Oklahoma State University
Stillwater, Oklahoma

Assistant Professor,
Stored Product/Postharvest Pest Management
April 2008 – June 2014

Oklahoma State University
Stillwater, Oklahoma

Postdoctoral Research Associate
May 2004 – March 2008

USDA/ARS/NPA/CGAHR
Manhattan, Kansas

Postdoctoral Research Associate
June 2003 – April 2004

Kansas State University
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AWARDS

2015 — American Society of Agricultural and Biological Engineers (ASABE) Educational Aids Blue Ribbon Award in the category of Innovative Extension Methods or Impact Assessment for the subject entitled “Technical Assistance Program on Commodity Protection and Stored Grain Management in Nigeria”

2008 — USDA-ARS Outstanding Performance Award (2008)

2007 — USDA-ARS Outstanding Performance Award (2007)

PEER REVIEWED PUBLICATIONS

1. Gautam, S. G., **G. P. Opit**, and E. Hosoda. 2016. Phosphine Resistance in Adult and Immature Life Stages of *Tribolium castaneum* and *Plodia interpunctella* Populations in California. *Journal of Economic Entomology* 2016; doi: 10.1093/jee/tow221.
2. Zhang, T., Y. Wang, W. Guo, D. Luo, Y. Wu, Z. Kučerová, V. Stejskal, **G. Opit**, Y. Cao, F. Li & Z. Li. 2016. DNA barcoding, species-specific PCR and real-time PCR techniques for the identification of six *Tribolium* pests of stored products. *Scientific Reports* 6, 28494; doi: 10.1038/srep28494 (2016).
3. Paudyal, S., **G. P. Opit**, F. H. Arthur, G. V. Bingham, and S. G. Gautam. 2016. Contact Toxicity of Deltamethrin against *Tribolium castaneum* (Coleoptera: Tenebrionidae), *Sitophilus oryzae* (Coleoptera: Curculionidae), and *Rhyzopertha dominica* (Coleoptera: Bostrichidae) Adults. *Journal of Economic Entomology* 2016; doi: 10.1093/jee/tow107.
4. Bajracharya, N.S., **G.P. Opit**, J. Talley, S.G. Gautam, and M.E. Payton. 2016. Assessment of Fitness Effects Associated with Phosphine Resistance in *Rhyzopertha dominica* (F.) (Coleoptera: Bostrichidae) and *Tribolium castaneum* (Herbst) (Coleoptera: Tenebrionidae). *African Entomology* 24: 39–49.
5. **Opit, G. P.**, E. Thoms, T. W. Phillips, and M. E. Payton. 2016. Effectiveness of Sulfuryl Fluoride Fumigation for the Control of Phosphine-Resistant Grain Insects Infesting Stored Wheat. *Journal of Economic Entomology*;
<http://jee.oxfordjournals.org/cgi/reprint/tov395?ikey=KyHdgzemy8oCm4u&keytype=ref>.
6. Gautam, S.G., **G.P. Opit**, and K. Shakya. 2016. Population Growth and Development of the Psocid *Liposcelis fusciceps* (Psocoptera: Liposcelididae) at Constant Temperatures and Relative Humidities. *Environmental Entomology* 45: 237–244.
7. Zhao, Z., Bing-Yi Cui, Z. Li, F. Jiang, Q. Yang, Z. Kučerová, V. Stejskal, **G. Opit**, Y. Cao, and F. Li. 2016. The establishment of species-specific primers for the molecular identification of ten stored-product psocids based on ITS2 rDNA. *Scientific Reports* 6, Article number: 21022 (2016) doi:10.1038/srep21022.
8. Oppert, B., R.N.C. Guedes, M. J. Aikins, T. W. Phillips, Z. Chen, K. Y. Zhu, **G. P. Opit**, K. Hoon, Y. Sun, G. Meredith, K. Bramlett, N. Supunpong Hernandez, B. Sanderson, M. Taylor, D. Dhingra, B. Blakey, M. Lorenzen, L. Fallis, and F. Arthur, F. 2015. Genes related to mitochondrial functions are differentially expressed in phosphine-resistant and -susceptible *Tribolium castaneum*. *BMC Genomics* 16:968.
9. Wu, Y., F. Li, Z. Li, V. Stejskal, Z. Kučerová, **G. Opit**, R. Aulicky, T. Zhang, P. He, and Y. Cao. 2015. Microsatellite markers for *Cryptolestes ferrugineus* (Coleoptera: Laemophloeidae) and other *Cryptolestes* species. *Bulletin of Entomological Research / FirstView Article* DOI: <http://dx.doi.org/10.1017/S0007485315000899> (About DOI), 7 pages. Published online: 20 November 2015.
10. Gautam, S. G., **G. P. Opit**, and K. Shakya. 2015. Population Growth and Development of the Psocid *Liposcelis fusciceps* (Psocoptera: Liposcelididae) at Constant Temperatures and Relative Humidities. *Environmental Entomology* 2015; doi: 10.1093/ee/nvv148. (In press)
11. Arif, M., G.P. Opit, A. Mendoza-Yerbafria, S. Dobhal, Z. Li, Z. Kucerova, and F.M. Ochoa-Corona. 2015. Array of Synthetic Oligonucleotides to Generate Unique Multi-Target Artificial Positive Controls and Molecular Probe-Based Discrimination of *Liposcelis* Species. *PLoS ONE* 10(6): e0129810.

12. Perlman, S.J., C.N. Hodson, P.T. Hamilton, **G.P. Opit**, and B. E. Gowen. 2015. Maternal transmission, sex ratio distortion, and mitochondria. Proceedings of the National Academy of Sciences - www.pnas.org/cgi/doi/10.1073/pnas.1421391112
13. Otitodun, G.O., **G.P. Opit**, S.I. Nwaubani, E.U. Okonkwo, and S.G. Gautam. 2015. Efficacy of Nigeria-Derived Diatomaceous Earth, Botanicals, and Riverbed Sand against *Sitophilus oryzae* and *Rhyzopertha dominica* on Wheat. African Crop Science Journal 23 (3): 279–293.
14. Yang, Q., Z. Kučerová, S. Perlman, **G. Opit**, E. Mockford, A. Behar, W. Robinson, V. Stejskal, Z. Li, and R. Shao. 2015. Morphological and molecular characterization of a sexually reproducing colony of the booklouse *Liposcelis bostrychophila* (Psocodea: Liposcelididae) found in Arizona. Scientific Reports 5, Article number: 10429 (2015) doi:10.1038/srep10429.
15. Chen, Z., D. Schlipalius, **G.P. Opit**, B. Subramanyam, and T.W. Phillips. 2015. Diagnostic Molecular Markers for Phosphine Resistance in U.S. Populations of *Tribolium castaneum* and *Rhyzopertha dominica*. PLoS ONE 10(3): e0121343. doi:10.1371/journal.pone.0121343.
16. Gautam, S.G., **G.P. Opit**, D. Margosan, D. Hoffmann, J.S. Tebbets, and S. Walse. 2015. Comparative egg morphology and chorionic ultrastructure of key stored-product insect pests. Annals of the Entomological Society of America 108: 43-56.
17. Wang, Y.J., Z.H. Li, S.F. Zhang, Z. Varadínová, F. Jiang, Z. Kučerová, V. Stejskal, **G. Opit**, Y. Cao, and F.J. Li. 2014. DNA barcoding of five common stored-product pest species of genus *Cryptolestes* (Coleoptera: Laemophloeidae). Bulletin of Entomological Research, available on CJO2014. doi:10.1017/S0007485314000224.
18. Nwaubani, S. I., **G.P. Opit**, G. O. Otitodun, and M. A. Adesida. 2014. Efficacy of Two Nigeria-Derived Diatomaceous Earths against *Sitophilus oryzae* (Coleoptera: Curculionidae) and *Rhyzopertha dominica* (Coleoptera: Bostrichidae) on wheat. Journal of Stored Products Research 59: 9-16.
19. Gautam, S.G., **G.P. Opit**, D. Margosan, J.S. Tebbets, and S. Walse. 2014. Egg morphology of key stored-product insect pests of the United States. Annals of the Entomological Society of America 107: 1-10. (FORUM ARTICLE).
20. Kučerová, Z., W. Wakil, M. Yasin, Q. Yang, Z. Li, J. Hromádková, I. Kalinovic, **G. Opit**, and C. Lienhard. 2014. Morphological and molecular characterization of a Pakistan strain of the stored-product pest *Liposcelis paeta* (Insecta: Psocodea: Liposcelididae) with observations on the variability of the head surface sculpture in liposcelidids. Journal of Stored Products Research 57: 12-23.
21. Bajracharya, N. S., **G. P. Opit**, J. Talley, and C. L. Jones. 2013. Efficacies of Spinosad and a Combination of Chlorpyrifos-Methyl and Deltamethrin Against Phosphine-Resistant *Rhyzopertha dominica* (Coleoptera: Bostrichidae) and *Tribolium castaneum* (Coleoptera: Tenebrionidae) on Wheat. Journal of Economic Entomology 106: 2208-2215.
22. Yang, Q., S. Zhao, Z. Kučerová, **G. Opit**, Y. Cao, V. Stejskal, and Z. Li. 2013. Rapid molecular diagnosis of the stored-product psocid *Liposcelis corrodens* (Psocodea: Liposcelididae): species-specific PCR primers of 16S rDNA and COI. Journal of Stored Products Research 54: 1-4.
23. Yang, Q., S. Zhao, Z. Kučerová, V. Stejskal, **G. Opit**, M. Qin, Y. Cao, F. Li, Z. Li. 2013. Validation of the 16S rDNA and COI DNA Barcoding Technique for Rapid Molecular Identification of Stored Product Psocids (Insecta: Psocodea: Liposcelididae). Journal of Economic Entomology 106: 419-425.
24. Gautam, S.G., **G.P. Opit**, K.L. Giles, and B. Adam. 2013. Weight loss and germination failure caused by psocids in different wheat varieties. Journal of Economic Entomology 106: 491-498.

25. **Opit, G.P.**, F.H. Arthur, J.E. Throne, and M.E. Payton. 2012. Susceptibility of stored-product psocids to aerosol insecticides. *Journal of Insect Science* 12:139 (1-14). Available online: <http://www.insectscience.org/12.139>.
26. **Opit, G.P.**, T.W. Phillips, M.J. Aikins, and M.M. Hasan. 2012. Phosphine resistance in *Tribolium castaneum* and *Rhyzopertha dominica* from Stored Wheat in Oklahoma. *Journal of Economic Entomology* 105: 1107-1114. (**FORUM ARTICLE**).
27. Gautam, S.G., **G.P. Opit**, and K.L. Giles. 2012. Effects of Constant Temperatures on Reproductive Parameters of the Psocid *Liposcelis rufa* (Psocoptera: Liposcelididae). *Entomology, Ornithology, and Herpetology* S1:002. doi:10.4172/2161-0983.S1-002.
28. Arif, M., F.M. Ochoa Corona, **G.P. Opit**, Z.H. Li, Z. Kučerová, V. Stejskal, and Q.Q. Yang. 2012. PCR and isothermal-based molecular identification of the stored-product psocid pest *Lepinotus reticulatus* (Psocoptera: Trogiidae). *Journal of Stored Product Research* 49: 184-188.
29. Yang, Q., Z. Kučerová, Z. Li, I. Kalinović, V. Stejskal, **G. Opit**, and Y. Cao. 2012. Diagnosis of *Liposcelis entomophila* (Insecta: Psocodea: Liposcelididae) based on morphological characteristics and DNA barcodes. *Journal of Stored Product Research* 48: 120-125.
30. **Opit, G.P.**, F.H. Arthur, E.L. Bonjour, C.L. Jones, and T.W. Phillips. 2011. Efficacy of heat treatment for disinfestation of concrete grain silos. *Journal of Economic Entomology* 104: 1415-1422.
31. Aminatou, B.A., S.G. Gautam, **G.P. Opit**, J. Talley, and K. Shakya. 2011. Population growth and development of *Liposcelis pearmani* (Psocoptera: Liposcelididae) at constant temperatures and relative humidities. *Environmental Entomology* 40: 788-796.
32. Chen, H., **G.P. Opit**, P. Sheng, and H. Zhang. 2011. Maternal and progeny quality of *Habrobracon hebetor* Say (Hymenoptera: Braconidae) after cold storage. *Biological Control* 58: 255-261.
33. Zhi-Hong, L., Z. Kucerova, S. Zhao, V. Stejskal, **G. Opit**, and M. Qin. 2011. Morphological and molecular identification of three geographical populations of the storage pest *Liposcelis bostrychophila* (Psocoptera). *Journal of Stored Product Research* 47: 168-172.
34. Bonjour, E.L., **G.P. Opit**, J. Hardin, C.L. Jones, M.E. Payton, and R.L. Beeby. 2011. Efficacy of ozone against major grain pests in stored wheat. *Journal of Economic Entomology* 104: 308-316.
35. Gautam, S.G., **G.P. Opit**, and K.L. Giles. 2010. Population Growth and Development of the Psocid *Liposcelis rufa* (Psocoptera: Liposcelididae) at Constant Temperatures and Relative Humidities. *Journal of Economic Entomology* 103: 1920-1928.
36. **Opit, G.P.**, J.E. Throne, and M.E. Payton. 2010. Reproductive Parameters of the Parthenogenetic Psocid *Lepinotus reticulatus* (Psocoptera: Trogiidae) at Constant Temperatures. *Environmental Entomology* 39: 1004-1011.
37. Athanassiou, C.G., **G.P. Opit**, and J.E. Throne. 2010. Influence of Commodity Type, Percentage of Cracked Kernels, and Wheat Class on Population Growth of Stored-Product Psocids (Psocoptera: Liposcelididae). *Journal of Economic Entomology* 103: 985-990.
38. **Opit, G.P.**, J.E. Throne, and P.W. Flinn. 2009. Sampling plans for the psocids *Liposcelis entomophila* and *Liposcelis decolor* (Psocoptera: Liposcelididae) in steel bins containing wheat. *Journal of Economic Entomology* 102: 1714-1722.
39. Flinn, P. W., **G. P. Opit**, and J. E. Throne. 2009. Predicting stored grain insect population densities using an electronic probe trap. *Journal of Economic Entomology* 102: 1696-1704.
40. Athanassiou, C.G., F.H. Arthur, **G.P. Opit**, and J.E. Throne. 2009. Insecticidal effect of diatomaceous earth against three species of stored-product psocids on maize, rice, and wheat. *Journal of Economic Entomology* 102: 1673-1680.

41. **Opit, G.P.**, J.E. Throne, and P. W. Flinn. 2009. Evaluation of five sampling methods for *Liposcelis entomophila* (Enderlein) and *L. decolor* (Pearman) (Psocoptera: Liposcelididae) in steel bins containing wheat. *Journal of Economic Entomology* 102: 1377-1382.
42. **Opit, G.P.**, J.E. Throne, and P. W. Flinn. 2009. Temporospatial distribution of the psocids *Liposcelis entomophila* (Enderlein) and *L. decolor* (Pearman) (Psocoptera: Liposcelididae) in steel bins containing wheat. *Journal of Economic Entomology* 102: 1369-1376.
43. **Opit, G.P.** and J.E. Throne. 2009. Population growth and development of the psocid *Liposcelis brunnea* Motschulsky (Psocoptera: Liposcelididae) at constant temperatures and relative humidities. *Journal of Economic Entomology* 102: 1360-1368.
44. **Opit, G.P.**, J. Perret, K. Holt, J.R. Nechols, D.C. Margolies, and K.A. Williams. 2009. Comparing chemical and biological control strategies for twospotted spider mites (Acari: Tetranychidae) in commercial greenhouse production of bedding plants. *Journal of Economic Entomology* 102: 336-346.
45. Guedes, R.N.C., K.Y. Zhu, **G.P. Opit**, and J.E. Throne. 2008. Differential heat shock tolerance and expression of heat-inducible proteins in two stored-product psocids. *Journal of Economic Entomology* 101: 1974-1982.
46. Guedes, R.N. C., J.F. Campbell, F.H. Arthur, K.Y. Zhu, **G.P. Opit**, and J.E. Throne. 2008. Acute lethal and behavioral sublethal responses of two stored-product psocids to surface insecticides. *Pest Management Science* 64: 1314-1322.
47. **Opit, G.P.**, and J.E. Throne. 2008. Effects of diet on population growth of the psocids *Lepinotus reticulatus* and *Liposcelis entomophila*. *Journal of Economic Entomology* 101: 616-622.
48. **Opit, G.P.** and J.E. Throne. 2008. Population growth and development of the psocid *Lepinotus reticulatus* at constant temperatures and relative humidities. *Journal of Economic Entomology* 101: 605-615.
49. Chen, Y., **G.P. Opit**, V.M. Jonas, K.A. Williams, J.R. Nechols, and D.C. Margolies. 2007. Twospotted spider mite population level, distribution, and damage on ivy geranium in response to different nitrogen and phosphorus fertilization regimes. *Journal of Economic Entomology* 101: 1821-1830.
50. Holt, K.M., **G.P. Opit**, J.R. Nechols, and D.C. Margolies. 2007. Comparing chemical and biological control strategies for twospotted spider mites on mixed plantings of ivy geranium and impatiens. *HortTechnology* 17: 322-327.
51. **Opit, G.P.** and J.E. Throne. 2007. The influence of maternal age on the fitness of progeny in the rice weevil, *Sitophilus oryzae* (Coleoptera: Curculionidae). *Environmental Entomology* 36: 83-89.
52. Weaver, D.K., **G.P. Opit**, L.J. Mason, and J.E. Throne. 2006. Gravimetric method for determining stage of obligate internally feeding stored-product insects. *Environmental Entomology* 35: 1483-1490.
53. **Opit, G.P.**, G.K. Fitch, D.C. Margolies, J.R. Nechols, and K.A. Williams. 2006. Overhead and drip tube irrigation affect twospotted spider mites and their biological control by a predatory mite on impatiens. *HortScience* 41: 691-694.
54. Holt, K.M., **G.P. Opit**, J.R. Nechols, and D.C. Margolies. 2006. Testing for non-target effects of spinosad on twospotted spider mites and their predator *Phytoseiulus persimilis* under greenhouse conditions. *Experimental and Applied Acarology* 38: 141-149.
55. Alatawi, F.J, **G.P. Opit**, D.C. Margolies, and J.R. Nechols. 2005. Within-plant distribution of two-spotted spider mites, *Tetranychus urticae* Koch (Acari: Tetranychidae), on impatiens: development of a presence-absence sampling plan. *Journal of Economic Entomology* 98:1040-1047.
56. **Opit, G.P.**, J.R. Nechols, D.C. Margolies, and K.A. Williams. 2005. Survival, horizontal

- distribution, and economics of releasing predatory mites (Acari: Phytoseiidae) using mechanical blowers. *Biological Control* 33: 344-351.
57. **Opit, G.P.**, Y. Chen, K.A. Williams, J.R. Nechols, and D.C. Margolies. 2005. Plant age, fertilization, and biological control affect appearance of twospotted spider mite damage on ivy geranium: development of action threshold. *Journal of the American Society for Horticultural Science* 130: 159-166.
 58. **Opit, G.P.**, J.R. Nechols, and D.C. Margolies. 2004. Biological control of twospotted spider mite, *Tetranychus urticae* Koch (Acari: Tetranychidae), using *Phytoseiulus persimilis* Athias-Henriot (Acari: Phytoseiidae) on ivy geranium: assessment of predator release ratios. *Biological Control* 29: 445-452.
 59. **Opit, G.P.**, D.C. Margolies, and J.R. Nechols. 2003. Within-plant distribution of twospotted spider mite, *Tetranychus urticae* Koch (Acari: Tetranychidae), on ivy geranium: Development of a presence-absence sampling plan. *Journal of Economic Entomology* 96: 482-488.
 60. **Opit, G.P.**, V.M. Jonas, K.A. Williams, D.C. Margolies, and J.R. Nechols. 2002. Effects of cultivar and irrigation management on population growth of the twospotted spider mite *Tetranychus urticae* on greenhouse ivy geranium. *Experimental and Applied Acarology* 25: 849-857.
 61. Gillespie, D.R., **G.P. Opit**, and B. Roitberg. 2000. The effects of temperature and relative humidity on development, reproduction, and predation in *Feltiella acarisuga* (Vallot) (Diptera: Cecidomyiidae). *Biological Control* 17: 132-138.
 62. **Opit, G.P.**, B. Peterson, D.R. Gillespie, and R. Costello. 1997. The life cycle and management of *Echinothrips americanus* (Thysanoptera: Thripidae). *The Journal of Entomological Society of British Columbia* 94: 3-6.
 63. **Opit, G.P.**, B. Roitberg, and D.R. Gillespie. 1997. The functional response and prey preference of *Feltiella acarisuga* (Diptera: Cecidomyiidae) for two of its prey: male and female twospotted spider mites, *Tetranychus urticae* Koch (Acari: Tetranychidae). *Canadian Entomologist* 129: 221-227.

HANDBOOK CHAPTER

1. **Opit, G.P.**, P.J. Collins, and G.J. Daghli. 2012. Resistance Management, pp. 143-155. *In* D.W. Hagstrum, T.W. Phillips, and G. Cuperus (eds.), *Stored Product Protection*. Kansas State University, Manhattan, KS.

NON-PEER REVIEWED PUBLICATIONS

1. Gautam, S.G. and **G.P. Opit**. 2015. Phosphine resistance in eggs of *Tribolium castaneum* and *Plodia interpunctella* from almond storage facilities in the Central Valley of California, pp 41–49. *In* P. Trematerra, D. Hamel (eds), *Proceedings of the International Organisation for Biological and Integrated Control - West Palaearctic Region Section Working Group on Integrated Protection of Stored Products, 28 June–1 July, 2015, Zagreb, Croatia*. IOBC/WPRS Bulletin Vol. 111, 2015.
2. Konemann, C.E., **G.P. Opit**, and S.G. Gautam. 2015. Establishing discriminating doses of phosphine for adults of four psocid (Psocoptera: Liposcelididae) species, pp 61–65. *In* P. Trematerra, D. Hamel (eds), *Proceedings of the International Organisation for Biological and Integrated Control - West Palaearctic Region Section Working Group on Integrated Protection of Stored Products, 28 June–1 July, 2015, Zagreb, Croatia*. IOBC/WPRS Bulletin Vol. 111, 2015.
3. **Opit, G.P.**, E. Thoms, and T. W. Phillips. 2015. Effectiveness of Profume® gas fumigant (sulfuryl fluoride) for the control of phosphine-resistant grain insects infesting stored wheat, pp

- 97–103. In P. Trematerra, D. Hamel (eds), Proceedings of the International Organisation for Biological and Integrated Control - West Palaearctic Region Section Working Group on Integrated Protection of Stored Products, 28 June–1 July, 2015, Zagreb, Croatia. IOBC/WPRS Bulletin Vol. 111, 2015.
4. Gautam, S.G., S. Walse, J.S. Tebbets, and **G.P. Opit**. 2015. Efficacy of propylene oxide in combination with carbon dioxide against eggs of six postharvest insect pests at normal atmospheric pressure, pp 398–406. In F.H. Arthur, R. Kengkanpanich, W. Chayaprasert, D. Suthisut (eds.), Proceedings of the 11th International Working Conference on Stored Product Protection, 24-28 November 2014, Chiang Mai, Thailand.
 5. Jimenez, R.L., J. S. Tebbets, **G. P. Opit**, S. G. Gautam, and S. Walse. 2015. Commercial fumigation of stored products with a propylene oxide, carbon dioxide, and sulfuryl fluoride mixture, pp 408–415. In F.H. Arthur, R. Kengkanpanich, W. Chayaprasert, D. Suthisut (eds.), Proceedings of the 11th International Working Conference on Stored Product Protection, 24-28 November 2014, Chiang Mai, Thailand.
 6. Konemann, C.E, **G.P. Opit**, S.G. Gautam, N.S. Bajracharya, and K. Shakya. 2014. Levels of phosphine resistance in rusty grain beetles, *Cryptolestes ferrugineus* (Stephens) (Coleoptera: Laemophloeidae), from stored wheat in Oklahoma, pp 461–467. In F.H. Arthur, R. Kengkanpanich, W. Chayaprasert, D. Suthisut (eds.), Proceedings of the 11th International Working Conference on Stored Product Protection, 24-28 November 2014, Chiang Mai, Thailand.
 7. **Opit, G.P.**, J. Campbell, F. Arthur, P. Armstrong, E. Osekre, S. Washburn, O. Baban, S. McNeill, G. Mbata, I. Ayobami, and P.V. Reddy. 2015. Assessment of maize postharvest losses in the Middle Belt of Ghana, pp 860–868. In F.H. Arthur, R. Kengkanpanich, W. Chayaprasert, D. Suthisut (eds.), Proceedings of the 11th International Working Conference on Stored Product Protection, 24-28 November 2014, Chiang Mai, Thailand.
 8. **Opit, G.P.**, S.G. Gautam, S. Walse, and D. Margosan. 2013. Influence of Egg Morphology on Ovicidal Efficacy of Fumigants, pp 321-329. In C.G. Athanassiou, P. Trematerra, N.G. Kavallieratos, P.G. Weintraub (eds), Proceedings of the International Organisation for Biological and Integrated Control - West Palaearctic Region Section Working Group on Integrated Protection of Stored Products, 1-4 July 2013, Bordeaux, France. IOBC/WPRS Bulletin 82.
 9. Konemann, C, and **G.P. Opit**. 2013. Phosphine Resistance in *Cryptolestes ferrugineus* (Coleoptera: Laemophloeidea) From Stored Wheat in Oklahoma, pp 363-366. In C.G. Athanassiou, P. Trematerra, N.G. Kavallieratos, P.G. Weintraub (eds), Proceedings of the International Organization for Biological and Integrated Control - West Palaearctic Region Section Working Group on Integrated Protection of Stored Products, 1-4 July 2013, Bordeaux, France. IOBC/WPRS Bulletin 82.
 10. **Opit, G.P.**, and E. L. Bonjour. 2011. Development of integrated pest management of stored-product pests for a food processing plant, pp. 291-297. In C. G. Athanassiou, N. G. Kavallieratos, and P. G. Weintraub (eds.), Proceedings of the International Organisation for Biological and Integrated Control - West Palaearctic Region Section Working Group on Integrated Protection of Stored Products, 4-7 July 2011, Volos, Greece. IOBC/WPRS Bulletin 81.
 11. Bonjour, E. L. and **G.P. Opit**. 2011. Efficacy of liquid formulations of spinosad for controlling insects infesting stored wheat, pp. 263-267. In C. G. Athanassiou, N. G. Kavallieratos, and P. G. Weintraub (eds.), Proceedings of the International Organisation for Biological and Integrated Control - West Palaearctic Region Section Working Group on Integrated Protection of Stored Products, 4-7 July 2011, Volos, Greece. IOBC/WPRS Bulletin 81.

12. Bonjour, E.L., C.L Jones, **G.P. Opit**, R.L. Beeby, F.H. Arthur, and T.W. Phillips. 2011. Efficacy of heat to disinfest Concrete Grain Silos, pp. 341-348. In: Athanassiou, C. G., Adler, C. S., and Trematerra, P. (eds.), Proceedings of the International Organisation for Biological and Integrated Control West Palaearctic Region Section Working Group on Integrated Protection of Stored Products, Campobasso, Italy. June 29 – July 2, 2009.
13. **Opit, G.P.**, E.L. Bonjour, and R. Beeby. 2011. Seasonal abundance and distribution of psocids in an animal feed warehouse, pp. 111-122. In: Athanassiou, C. G., Adler, C. S., and Trematerra, P. (eds.), Proceedings of the International Organisation for Biological and Integrated Control West Palaearctic Region Section Working Group on Integrated Protection of Stored Products, Campobasso, Italy. June 29 – July 2, 2009.
14. Lazzari, S.M.N, F. C. Ceruti, J.I. Rodriguez-Fernandez, **G.P. Opit**, and F.A. Lazzari. 2009. Patterns of diversity in Psocoptera using near infrared spectroscopy, pp. 101-109. In: Athanassiou, C. G., Adler, C. S., and Trematerra, P. (eds.), Proceedings of the International Organisation for Biological and Integrated Control West Palaearctic Region Section Working Group on Integrated Protection of Stored Products, Campobasso, Italy. June 29 – July 2, 2009.
15. Rodriguez-Fernandez, J.I, S.M.N. Lazzari1, F.C. Ceruti, F.A. Lazzari, and **G.P. Opit**. 2010. ESPECTROSCOPIA NO INFRAVERMELHO PRÓXIMO (NIRS): VARIAÇÃO INTRA E INTERESPECÍFICA DE PSOCOPTERA E OTIMIZAÇÃO DE ANÁLISES NUMÉRICAS, page 2299. XXIII Congresso Brasileiro de Entomologia, 26-30 September, 2010, Natal - RN, Brazil.
16. Sonia, M.N, F. Lazzari, C. Ceruti, J.I. Rodriguez-Fernandez, **G.P. Opit**, and F. A. Lazzari. 2010. Intra and interspecific variation assessment in Psocoptera using near infrared spectroscopy, pp.139-144. In: Carvalho, O.M, Fields, P.G., Adler, C.S., Arthur, F.H., Athanassiou, C.G., Campbell, J.F., Fleurat-Lessard, F., Flinn, P.W., Hodges, R.J., Isikber, A.A. Navarro, S., Noyes, R.T., Riudavets, J., Sinha, K.K., Thorpe, G.R., Timlick, B.H., Trematerra, P., White, N.D.G. (eds.), Proceedings of the 10th International Working Conference on Stored Product Protection, 27 June-2 July 2010, Estoril, Portugal, Julius-Kuhn-Archiv, Berlin, Germany.
17. Zhihong, L., Z. Kučerová, S. Zhao, M. Qin, **G.P. Opit**, V. Stejskal, I. Kalinovic, Q. Yang. 2010. From RFLP specific primer to DNA Barcoding: preliminary study on molecular identification of a common stored product psocid, pp. 145-146. In: Carvalho, O.M, Fields, P.G., Adler, C.S., Arthur, F.H., Athanassiou, C.G., Campbell, J.F., Fleurat-Lessard, F., Flinn, P.W., Hodges, R.J., Isikber, A.A. Navarro, S., Noyes, R.T., Riudavets, J., Sinha, K.K., Thorpe, G.R., Timlick, B.H., Trematerra, P., White, N.D.G. (eds.), Proceedings of the 10th International Working Conference on Stored Product Protection, 27 June-2 July 2010, Estoril, Portugal, Julius-Kuhn-Archiv, Berlin, Germany
18. **Opit, G.P.**, S.G. Gautam, B.A. Aminatou, and J.E. Throne. 2010. Ecological studies of the psocids *Liposcelis brunnea*, *L. rufa*, *L. pearmani*, and *Lepinotus reticulatus*, pp. 173-179. In: Carvalho, O.M, Fields, P.G., Adler, C.S., Arthur, F.H., Athanassiou, C.G., Campbell, J.F., Fleurat-Lessard, F., Flinn, P.W., Hodges, R.J., Isikber, A.A. Navarro, S., Noyes, R.T., Riudavets, J., Sinha, K.K., Thorpe, G.R., Timlick, B.H., Trematerra, P., White, N.D.G. (eds.), Proceedings of the 10th International Working Conference on Stored Product Protection, 27 June-2 July 2010, Estoril, Portugal, Julius-Kuhn-Archiv, Berlin, Germany
19. Athanassiou, C.G., F.H. Arthur, J.E. Throne, **G.P. Opit**, M. Hasan, J. Aikins, T.W. Phillips, and N.G. Kavallieratos. 2010. Efficacy of insecticides for control of stored product psocids, pp. 805-814. In: Carvalho, O.M, Fields, P.G., Adler, C.S., Arthur, F.H., Athanassiou, C.G., Campbell, J.F., Fleurat-Lessard, F., Flinn, P.W., Hodges, R.J., Isikber, A.A. Navarro, S., Noyes, R.T., Riudavets, J., Sinha, K.K., Thorpe, G.R., Timlick, B.H., Trematerra, P., White, N.D.G. (eds.), Proceedings of the 10th International Working Conference on Stored Product Protection, 27 June-2 July 2010, Estoril, Portugal, Julius-Kuhn-Archiv, Berlin, Germany.
20. Bonjour, E.L., and **G.P. Opit**. 2010. Efficacy of dust formulations of spinosad for controlling

- insects infesting stored wheat, pp. 815-818. In: Carvalho, O.M, Fields, P.G., Adler, C.S., Arthur, F.H., Athanassiou, C.G., Campbell, J.F., Fleurat-Lessard, F., Flinn, P.W., Hodges, R.J., Isikber, A.A. Navarro, S., Noyes, R.T., Riudavets, J., Sinha, K.K., Thorpe, G.R., Timlick, B.H., Trematerra, P., White, N.D.G. (Eds), Proceedings of the Tenth International Working Conference on Stored Product Protection, 27 June-2 July 2010, Estoril, Portugal, Julius-Kuhn-Archiv, Berlin, Germany.
21. Throne, J.E., **G.P. Opit**, and P.W. Flinn. 2008. Comparison of methods for sampling psocids in stored wheat. In S. Navarro, C. Adler, and L.S. Hansen (eds.), Proceedings of the International Organisation for Biological and Integrated Control West Palaearctic Region Section Working Group on Integrated Protection of Stored Products, Poznan, Poland, 20-23 August 2007. IOBC/WPRS Bulletin 40: 67-74.
 22. Throne, J.E., **G.P. Opit**, and P.W. Flinn. 2006. Seasonal distribution of psocids in stored wheat. Pages 1095-1103 in I. Lorini, B. Bacaltchuk, H. Beckel, D. Deckers, E. Sundfeld, J.P. dos Santos, J.D. Biagi, J.C. Celaro, L.R. D'A. Faroni, L de O.F. Bortolini, M.R. Sartori, M.C. Elias, R.N.C. Guedes, R.G. da Fonseca, and V.M. Scussel (eds.), Proceedings of the 9th International Working Conference on Stored Product Protection. Brazilian Post-harvest Association – ABRAPOS, Campinas, Brazil.
 23. Flinn, P.W., **G.P. Opit**, and J.E. Throne. 2006. Integrating the Stored Grain Advisor Pro expert system with an automated electronic grain probe trapping system. Pages 408-413 in I. Lorini, B. Bacaltchuk, H. Beckel, D. Deckers, E. Sundfeld, J.P. dos Santos, J.D. Biagi, J.C. Celaro, L.R. D'A. Faroni, L de O.F. Bortolini, M.R. Sartori, M.C. Elias, R.N.C. Guedes, R.G. da Fonseca, and V.M. Scussel (eds.), Proceedings of the 9th International Working Conference on Stored Product Protection. Brazilian Post-harvest Association – ABRAPOS, Campinas, Brazil.
 24. **Opit, G.**, J. Nechols, K. Williams, and D. Margolies. 2006. Blow thrips and mites away. Greenhouse Grower 24(3): 8-12.
 25. Chen, Y. and **G. Opit**. 2005. Managing twospotted spider mites. Ornamental Outlook, July 2005, 31-32.
 26. **Opit, G.P.**, J. Nechols, K. Williams, Y. Chen, and D. Margolies. 2005. Two pests to be on the lookout for – scouting helps control thrips, twospotted spider mites. GMPRO 25 (3): 46-52.
 27. **Opit, G.P.**, K. Williams, D. Margolies, J. Nechols, and Y. Chen. 2003. Look before you leap – managing an infestation of twospotted spider mites on ivy geranium. Greenhouse Business 9 (12): 25-26.
 28. Gillespie, D.R., R.R. McGregor, and **G.P. Opit**. 1999. Evaluation of *Cotesia marginiventris* (Cresson) (Hymenoptera: Braconidae) for biological control of *Trichoplusia ni* (Hübner) (Lepidoptera: Noctuidae) on greenhouse vegetable crops in British Columbia. International Organization for Biological Control, West Palearctic Regional Section, Integrated Control in Glasshouses. Brest, France, May 1999, Bulletin. 22 (1): 89-92.
 29. Gillespie, D.R., **G.P. Opit**, R. McGregor, *et al.* 1998. Recommendations for the use of parasitic wasp *Cotesia marginiventris* (Hymenoptera: Braconidae) for biological control of cabbage looper *Trichoplusia ni*. Research Branch, Pacific Agri-Food Research Centre, Agassiz. Technical Report #142.
 30. Gillespie, D.R., **G.P. Opit**, R. McGregor, *et al.* 1997. Use of *Cotesia marginiventris* (Cresson) (Hymenoptera: Braconidae) for biological control of cabbage loopers, *Trichoplusia ni* (Lepidoptera: Noctuidae) in greenhouse vegetable crops in British Columbia. Pacific Agri-Food Research Centre, Agassiz. Technical Report #141.
 31. Gillespie, D.R., D.M.J. Quiring, **G.P. Opit**, and M. Greenwood. 1994. Biological control of two-spotted spider mites on greenhouse tomato. Pacific Agriculture Research Center, Agassiz, BC, Canada, Technical Report #105.

INVITED PRESENTATIONS

1. **Opit, G. P. 2016.** Alternatives to insecticides for control of stored-product psocid pests. Talk: The 25th International Congress of Entomology, Orlando, FL. September 25–30, 2016.
2. **Opit, G. P. 2016.** Analysis of data from three Nigeria commodity storage and handling extension research studies — experimental designs and analysis (CRD, RCBD, Factorial, split-plot, mean comparisons, contrasts). Talk: Presentation to University of Ibadan and Nigerian Stored Products Research Institute Researchers and Staff with USDA-funded Nigeria Capacity Building on Stored Commodities International Institute of Tropical Agriculture (IITA), Ibadan, Nigeria. August 5–10, 2016.
3. **Opit, G. P. 2016.** Analysis of data from three Nigeria commodity storage and handling extension research studies — introduction to repeated measures analysis and working with repeated measures datasets. Talk: Presentation to University of Ibadan and Nigerian Stored Products Research Institute Researchers and Staff with USDA-funded Nigeria Capacity Building on Stored Commodities International Institute of Tropical Agriculture (IITA), Ibadan, Nigeria. August 5–10, 2016.
4. Ofodile, S., and **G. P. Opit. 2016.** Analysis of data from three Nigeria commodity storage and handling extension research studies — multivariate procedures, PCA, and clusters. Talk: Presentation to University of Ibadan and Nigerian Stored Products Research Institute Researchers and Staff with USDA-funded Nigeria Capacity Building on Stored Commodities International Institute of Tropical Agriculture (IITA), Ibadan, Nigeria. August 5–10, 2016.
5. **Opit, G. P. 2016.** Analysis of data from three commodity storage and handling extension research studies — introduction to repeated measures analysis. Talk: Presentation to University of Ibadan and Nigerian Stored Products Research Institute Researchers and Staff with USDA-funded Nigeria Capacity Building on Stored Commodities International Institute of Tropical Agriculture (IITA), Ibadan, Nigeria. August 5–10, 2016.
6. Ileleji, K., **Opit, G. P.**, and S. McNeill. 2016. Reducing Post-Harvest Losses in Nigeria: Capacity Building in the Stored Commodity Sector. Talk: Presentation to USDA Senior Staff, Washington, DC. August 1, 2016.
7. **Opit, G. P.**, E. Thoms, T.W. Phillips, and M. Payton. 2015. The efficacy of Profume[®] gas fumigant (sulfuryl fluoride) to control phosphine-resistant grain insects infesting stored wheat. Talk: 63rd Annual Meeting of the Entomological Society of America. Minneapolis, MN. November 15–18, 2015.
8. Gautam, S. and **G. P. Opit. 2015.** Phosphine resistance in stored-product insects in California. Talk: 63rd Annual Meeting of the Entomological Society of America. Minneapolis, MN. November 15–18, 2015.
9. **Opit, G. P.**, and S. Gautam. 2015. Phosphine Resistance in Stored-Product Insect Pests from Almond Storage and Processing Facilities in California. Talk: 43rd Almond Board of California Annual Conference, Sacramento, CA. December 8–10, 2015.
10. **Opit, G.P. 2015.** Challenges to and possible solutions for successful postharvest loss mitigation in sub-Saharan Africa. Makerere University College of Agricultural and Environmental Sciences, Kampala Uganda. February 13, 2015.
11. **Opit, G.P. 2015.** Operation Wealth Creation: a partnership between Makerere University College of Agricultural and Environmental Sciences and Uganda Peoples Defense Forces. World Food Program, Kampala Uganda. February 18, 2015.
12. **Opit, G.P.**, J. Campbell, F. Arthur, P. Armstrong, E. Osekre, S. Washburn, O. Baban, S. McNeill, G. Mbata, I. Ayobami, and P.V. Reddy. 2014. Assessment of maize postharvest losses in the Middle

- Belt of Ghana. The 11th International Working Conference on Stored Product Protection, Chiang Mai, Thailand. November 24-28, 2014.
13. Konemann, C.E, **G.P. Opit**, S.G. Gautam, N.S. Bajracharya, and K. Shakya. 2014. Levels of phosphine resistance in rusty grain beetles, *Cryptolestes ferrugineus* (Stephens) (Coleoptera: Laemophloeidae), from stored wheat in Oklahoma. The 11th International Working Conference on Stored Product Protection, Chiang Mai, Thailand. November 24-28, 2014.
 14. Gautam, S.G., S. Walse, J.S. Tebbets, and **G.P. Opit**. 2014. Efficacy of propylene oxide in combination with carbon dioxide against eggs of six postharvest insect pests at normal atmospheric pressure. The 11th International Working Conference on Stored Product Protection, Chiang Mai, Thailand. November 24-28, 2014.
 15. **Opit, G.P.** 2014. Curbing maize postharvest losses in Ghana. USDA-sponsored side event, entitled “Food Waste and Food Losses: From Harvest to Landfills”, at the World Food Prize Symposium, Des Moines, IA, October 15-17, 2014.
 16. Gautam, S.G. and **G.P. Opit**. 2014. Phosphine resistance in red flour beetle and Indianmeal moth populations in almond storage facilities in the Central Valley of California. San Joaquin Valley Agricultural Sciences Center, Parlier, CA. July 25, 2014.
 17. Gautam, S.G. and **G.P. Opit**. 2014. Phosphine resistance in red flour beetle and Indianmeal moth populations in California almond storage facilities. The 16th Annual Food Quality and Safety Symposium, Lodi, CA. July 23, 2014.
 18. **Opit, G.P.** 2014. Research Findings on Phosphine Resistance in the United States. Food Industry Sanitation Auditors. Little Rock, AR. April 15, 2014.
 19. **Opit, G.P.** 2014. Psocids in Food Facilities. Food Protection Alliance. Manhattan, KS. March 11, 2014.
 20. Bajracharya N. and **G. P. Opit**. 2014. ClimbUp® BG Trap for Monitoring Red Flour Beetle. Urban Pest Management Conference, Lincoln, NE. February 17-20, 2014.
 21. Opit, G.P. 2014. Research Findings on Phosphine Resistance in the United States. The Industrial Fumigant Company, LLC. Kansas City, MO. February 13, 2014.
 22. **Opit, G.P.** and N. S. Bajracharya. 2013. Effects of phosphine resistance on fitness in *Rhyzopertha dominica* and *Tribolium castaneum* from Oklahoma. The 6st Annual Meeting of the Entomological Society of America. Austin, TX. November 10-13, 2013.
 23. **Opit, G.P.** 2013. Phosphine resistance and its management in the United States. Annual Meeting of the Entomological Society of Canada. Guelph, ON, Canada. October 20-23, 2013.
 24. **Opit, G.P.** and N.S. Bajracharya. 2013. Effects of phosphine resistance on fitness in *Rhyzopertha dominica* and *Tribolium castaneum* from Oklahoma. The 61st Annual Meeting of the Entomological Society of America. Austin, TX. November 10-13, 2013.
 25. Gautam, S.G., S. Walse, J.S. Tebbets, and **G. P. Opit**. 2013. Efficacy of propylene oxide in combination with carbon dioxide against eggs of stored-product insect pests. Talk: Methyl Bromide Alternatives Outreach Meeting. San Diego, CA. November 4-6, 2013.
 26. Konemann, C, and **G.P. Opit**. 2013. Phosphine Resistance in *Cryptolestes ferrugineus* (Coleoptera: Laemophloeidae) From Stored Wheat in Oklahoma. 9th Conference of the IOBC/WPRS (OILB/SROP) Working Group on “Integrated Protection of Stored Products”. Bordeaux, France. July 1-4, 2013.
 27. **Opit, G.P.**, S.G. Gautam, S. Walse, and D. Margosan. 2013. Influence of Egg Morphology on Ovicidal Efficacy of Fumigants. The 9th Conference of the IOBC/WPRS (OILB/SROP) Working Group on “Integrated Protection of Stored Products”. Bordeaux, France. July 1-4, 2013.
 28. **Opit, G. P.** 2013. Phosphine Resistance in *Rhyzopertha dominica* and *Tribolium castaneum*: Resistance Management. USDA ARS San Joaquin Valley Agricultural Sciences Center. Parlier, CA. June 7, 2013.

29. **Opit, G. P. 2013.** Detection and Level of Phosphine Resistance in Idianmeal Moth, Red Flour Beetle, and Dried Fruit Beetle. Almond Board of California – Almond Food Quality and Safety Committee. Modesto, CA. June 4, 2013.
30. **Opit, G. P. 2013.** Influence of Egg morphology on Ovicidal Efficacy of Fumigants. Nigerian Stored Products Research Institute, Lagos Research Center. Lagos, Nigeria. May 23, 2013.
31. **Opit, G. P. 2013.** Assessment of the Fitness Cost of Phosphine Resistance in *Rhyzopertha dominica* and *Tribolium castaneum*. Nigerian Stored Products Research Institute, Lagos Research Center. Lagos, Nigeria. May 21, 2013.
32. **Opit, G. P. 2013.** Phosphine Resistance in Major Postharvest Insects from Stored Wheat in Oklahoma USA. Nigerian Stored Products Research Institute, Lagos Research Center. Lagos, Nigeria. May 16, 2013.
33. **Opit, G.P. 2013.** Strong Phosphine Resistance in Stored Grain Insects in the U.S. and Implications for its Management. International Association of Operative Millers (IAOM) 2013 Annual Conference. Niagara Falls, Canada. April 29 – May 3, 2013.
34. **Opit, G.P. 2013.** Strong phosphine resistance in stored grain insects in Oklahoma and implications for its management. Oklahoma State University, Department of Entomology and Plant Pathology (EPP) Spring 2013 Seminar Series. Stillwater, OK. January 9, 2013.
35. **Opit, G.P. 2012.** Stored-product pests of corn and their management in the USA. China Agricultural University Plant Quarantine Laboratory. Beijing, China. December 14-20, 2012.
36. **Opit, G.P. 2012.** Research projects at Oklahoma State University Stored Product Entomology Laboratory. China Agricultural University Plant Quarantine Laboratory. Beijing, China. December 14-20, 2012.
37. Phillips, T.W., **G.P. Opit**, J.M. Aikins, and M. Hasan. 2012. Phosphine resistance in major stored grain insects in the USA. 9th International Conference on Controlled Atmosphere and Fumigation in Stored Products (CAF 2012). Antalya, Turkey. October 15-19, 2012.
38. **Opit, G.P.**, T.W. Phillips, J.M. Aikins, and M. Hasan. 2012. Occurrence and level of phosphine resistance in stored-product insects in Oklahoma USA. 24th International Congress of Entomology. Daegu, Korea. August 19-25, 2012.
39. Otitodun, G.O., and **G.P. Opit**, G.P. 2012. Efficacy of Nigeria-Derived Diatomaceous Earth, Botanical Insecticides, and Riverbed Sand against Major Post-harvest Insects on Wheat. United States Department of Agriculture – Foreign Agricultural Service (USDA-FAS) Reducing Post-Harvest Losses Workshop for Cameroon. Yaounde, Cameroon. July 13-20, 2012.
40. Otitodun, G.O., and **G.P. Opit**, G.P. 2012. Effects of rice husk ash (RHA) on mortality and progeny development of *Sitophilus oryzae*, *Rhyzopertha dominica*, and *Tribolium castaneum* on wheat. United States Department of Agriculture – Foreign Agricultural Service (USDA-FAS) Reducing Post-Harvest Losses Workshop for Cameroon. Yaounde, Cameroon. July 13-20, 2012.
41. **Opit, G.P. 2012.** Phosphine resistance in stored grain insect pests in the USA and its implications and opportunities for graduate studies in USA universities. School of Agricultural Sciences, Makerere University, Kampala, Uganda. July 12, 2012.
42. **Opit, G.P. 2012.** Food Security by Reduction of Post-Harvest Losses. United States Agency for International Development, American Embassy, Kampala, Uganda. July 11, 2012.
43. **Opit, G.P.**, T.W. Phillips, J.M. Aikins, and M. Hasan. **2012**. Phosphine resistance in stored grain insects and its impact on stored grain protection. Annual Meeting of the North Central Branch of the Entomological Society of America. Lincoln, NE. June 3-6, 2012.
44. **Opit, G.P.**, T. W. Phillips, J.M. Aikins, and M. Hasan. 2011. Phosphine resistance in *Tribolium castaneum* and *Rhyzopertha dominica* in wheat. Annual Meeting of the Entomological Society of America. Reno, NV. November 12-16, 2011.

45. **Opit, G.P.** 2011. Food security in sub-Saharan Africa. Invited talk for the U.S. State Department African Food Security Fellows, 26 September, 2011, Oklahoma State University, Stillwater, OK.
46. **Opit, G.P.** 2011. Biology and control of stored product psocids. Invited talk at the School of Agriculture, Food, and Rural Development, 29 June, 2011, Newcastle University, Newcastle upon Tyne, UK.
47. **Opit, G.P.** 2011. Biology of stored product psocids. Invited talk at the Nigerian Stored Products Research Institute, 17 May, 2011, Ilorin, Kwara State, Nigeria.
48. **Opit, G.P.** 2011. Using heat to disinfect concrete silos. Invited talk at the Nigerian Stored Products Research Institute, 18 May, 2011, Ilorin, Kwara State, Nigeria.
49. **Opit, G.P.** 2011. Food security in the African context. Invited talk for the U.S. State Department African Food Security Fellows, 26 April, 2011, Oklahoma State University, Stillwater, OK.
50. **Opit, G.P.** 2011. Psocids in Food Processing Plants. Invited talk at the Minnesota Pest Management Conferences - Food Plant Pest Management Conference, 6-8 March, 2011, Minneapolis, MN.
51. **Opit, G.P.** 2011. Identification and control of psocids. Invited talk at the Minnesota Pest Management Conferences - Structural Pest Management Conference, 6-8 March, 2011, Minneapolis, MN.
52. **Opit, G.P.**, K. Ileleji, and S. McNeill. 2010. US Commodity Storage Programs in Nigeria. Invited talk at The Partnership on Trade Industry and Commerce (POTICO) III Conference: Post-Harvest Storage Workshop, Lagos, Nigeria. June 1 & 2, 2010.
53. **Opit, G.P.**, K. Ileleji, and S. McNeill. 2010. Commodity Storage and Global Food Security. Invited talk at The Partnership on Trade Industry and Commerce (POTICO) III Conference: Post-Harvest Storage Workshop, Lagos, Nigeria. June 1 & 2, 2010.
54. **Opit, G.P.**, K. Ileleji, and S. McNeill. 2010. Opportunities for Growing Commercial Agriculture in Africa. Invited talk at The Partnership on Trade Industry and Commerce (POTICO) III Conference: Post-Harvest Storage Workshop, Lagos, Nigeria. June 1 & 2, 2010.
55. **Opit, G. P.** and H. K. Loechelt-Yoshioka. 2009. Psocids and their identification. Invited talk at the FDA LB316 Microanalytical Training Course, 12-22 May, 2009, Athens, GA.
56. **Opit, G.P.** and E.L. Bonjour. 2008. Seasonal distribution of stored-product psocids. Invited talk at the National Meeting of the Entomological Society of America, 15-19 November, 2008, Reno, NV.
57. **Opit, G.P.** 2007. Psocids: a growing challenge. International Association of Operative Millers, 111th Annual Technical Conference and Trade Show, Kansas City, KS, 5-9 May 2007.
58. **Opit, G.P.** 2007. Psocids: an increasing challenge. American Institute of Baking, Pest Management for Food Seminar, Manhattan, KS, 16-18 April 2007.
59. Nechols J.R, D.C. Margolies, K.A. Williams, and **G.P. Opit**. 2006. Developing an adoptable biological control-based IPM program for greenhouse floricultural crops: a case study. Presented as part of a work session "Are alternative IPM approaches for greenhouse and nursery pests feasible?" at the 5th National IPM Symposium, St. Louis, IL, 6-8 April 2006.
60. Williams, K., **G.P. Opit**, V. Jonas, S. Schumacher, D. Margolies, and J. Nechols. 2000. Ivy geranium production: highlights of present research. Talk: Great Plains Greenhouse Growers Conference, Lawrence, Kansas, USA.

PRESENTATIONS AT PROFESSIONAL MEETINGS

1. Gautam, S. G., **G. P. Opit**, and K. Shakya. 2016. Phosphine resistance in *Oryzaephilus surinamensis* (L.) from almond storage and processing facilities in California. Talk: The 25th International Congress of Entomology, Orlando, FL. September 25–30, 2016.

2. Ocran, A., **G. P. Opit**, K. Shakya, and S. G. Gautam Survival of Stored-Product Psocids (Psocoptera: Liposcelididae) at 43% Relative Humidity. 2016. Poster: The 25th International Congress of Entomology, Orlando, FL. September 25–30, 2016.
3. Hubhachen, Z., H. Jiang, D. Schlipalius, Y. Park, R.N.C. Guedes, B. Oppert, **G. Opit**, and T. W. Phillips. 2016. A new point mutation in the gene coding for strong phosphine resistance in *Tribolium castaneum* (Coleoptera: Tenebrionidae) from Brazil. Talk: The 25th International Congress of Entomology, Orlando, FL. September 25–30, 2016.
4. Sulochana, P., **G. Opit**, E. A. Osekre, N. Manu, J. Danso, and K. Shakya. 2016. Efficacy of the deltamethrin-incorporated ZeroFly® storage bag against stored-product insects. Poster: The 25th International Congress of Entomology, Orlando, FL. September 25–30, 2016.
5. Paudyal, S., **G. P. Opit**, and S. G. Gautam. 2016. ZeroFly® Storage Bag as a Barrier to Stored-Product Insect Pests Infestation. Talk: The 64th Annual Meeting of the Southwestern Branch of the Entomological Society of America, Tyler, TX. February 21–25, 2016.
6. Ocran, A., **G. P. Opit**, K. Shakya, and S. G. Gautam. 2016. Effects of 43% relative humidity on survival of stored-product psocids (Psocoptera: Liposcelididae). Poster: The 64th Annual Meeting of the Southwestern Branch of the Entomological Society of America, Tyler, TX. February 21–25, 2016.
7. Paudyal, S., **G. P. Opit**, S. G. Gautam, and K. Shakya. 2015. Effectiveness of the ZeroFly® Storage Bag Fabric as a Barrier to Stored-Product Insect Pests. Poster: 63rd Annual Meeting of the Entomological Society of America. Minneapolis, MN. November 15–18, 2015.
8. Paudyal, S., **G.P. Opit**, and S.G. Gautam. 2015. Evaluation of the effectiveness of the Zerofly® Storage Bag to prevent stored-product insect pest infestation. Poster: 63rd Annual Meeting of the Southwestern Branch of the Entomological Society of America. Tulsa, OK. February 23-26, 2015.
9. Paudyal, S., **G.P. Opit**, and S.G. Gautam. 2015. Evaluation of the effectiveness of the ZeroFly® Storage Bag to prevent stored-product insect pest infestation. Talk: 26th Annual Research Symposium, Oklahoma State University, Stillwater, OK, February, 2015.
10. Ileleji, K. E, **G. P. Opit**, S. G. McNeill and H. V. Tarver. 2015. Benefits of Training Stakeholders across the Grain Value Chain– A Capacity Building Effort in Nigeria. Talk: The First International Congress on Postharvest Loss Prevention Rome, Italy, October 4–7, 2015.
11. Paudyal, S., **G.P. Opit**, and S.G. Gautam. 2015. Evaluation of the effectiveness of the Zerofly® Storage Bag to prevent stored-product insect pest infestation. Poster: 63rd Annual Meeting of the Southwestern Branch of the Entomological Society of America. Tulsa, OK. February 23-26, 2015.
12. **Opit, G.P.**, E. Thoms, and T. W. Phillips. 2015. Effectiveness of Profume® gas fumigant (sulfuryl fluoride) for the control of phosphine-resistant grain insects infesting stored wheat. The 10th Conference of the IOBC/WPRS (OILB/SROP) Working Group on “Integrated Protection of Stored Products”. Zagreb, Croatia. 28 June–1 July, 2015.
13. Gautam, S.G. and **G.P. Opit**. 2015. Phosphine resistance in eggs of *Tribolium castaneum* and *Plodia interpunctella* from almond storage facilities in the Central Valley of California. The 10th Conference of the IOBC/WPRS (OILB/SROP) Working Group on “Integrated Protection of Stored Products”. Zagreb, Croatia. 28 June–1 July, 2015.
14. Konemann, C.E., **G.P. Opit**, and S.G. Gautam. 2015. Establishing discriminating doses of phosphine for adults of four psocid (Psocoptera: Liposcelididae) species. The 10th Conference of the IOBC/WPRS (OILB/SROP) Working Group on “Integrated Protection of Stored Products”. Zagreb, Croatia. 28 June–1 July, 2015.
15. Paudyal, S., **G. P. Opit**, and S. G. Gautam. 2014. Contact Toxicity of Deltamethrin against *Rhyzopertha dominica* (F.), *Sitophilus oryzae* (L.), and *Tribolium castaneum* (Herbst) Adults.

- Poster: The 62nd Annual Meeting of the Entomological Society of America. Portland, OR. November 16-19, 2014.
16. Gautam, S. G. and **G. P. Opit**. 2014. Resistance frequencies and levels of resistance in *Tribolium castaneum* (Herbst) and *Plodia interpunctella* (Hübner) populations in almond storage facilities in California. Talk: The 62nd Annual Meeting of the Entomological Society of America. Portland, OR. November 16-19, 2014.
 17. Bajracharya, N. S., **G. P. Opit**, and C. E. Konemann. 2014. Phosphine Resistance in Populations of *Cryptolestes ferrugineus* (Stephens) (Coleoptera: Laemophloeidae) in Oklahoma. Poster: The 62nd Annual Meeting of the Entomological Society of America. Portland, OR. November 16-19, 2014.
 18. Gautam, S. G., **G. P. Opit**, D. Margosan, and S. Walse. 2014. Differences in stored-product insect egg morphologies in relation to tolerance to fumigants. The 11th International Fumigants and Pheromones Conference. Krakow, Poland. June 2-4, 2014.
 19. Gautam, S. G., **G. P. Opit**, D. Margosan, and S. Walse. 2014. Developing a Model System to Study Fumigant Penetration into Eggs Using Osmium Tetroxide as a Model Molecule. The 11th International Fumigants and Pheromones Conference. Krakow, Poland. June 2-4, 2014.
 20. Gautam, S. G., **G. P. Opit**, J. S. Tebbets, and S. Walse. 2014. Dose-Response Relationships of Five Stored-Product Insect eggs to Propylene Oxide at Low Pressure. The 11th International Fumigants and Pheromones Conference. Krakow, Poland. June 2-4, 2014.
 21. Bajracharya, N. S., **G. P. Opit**, and C. E. Konemann. 2014. Levels of Phosphine resistance in populations of *Cryptolestes ferrugineus* (Stephens) (Coleoptera: Laemophloeidae) from stored grain in Oklahoma. Poster: The 62nd Annual Meeting of the Southwestern Branch of the Entomological Society of America. San Antonio, TX. February 24-27, 2014.
 22. **Opit, G. P.**, K. Shakya, S. G. Gautam, and S. Paudyal. 2014. Effects of constant temperature and relative humidities on population growth of three morphs of *Liposcelis bostrychophila* (Psocoptera: Liposcelididae). Poster: The 62nd Annual Meeting of the Southwestern Branch of the Entomological Society of America. San Antonio, TX. February 24-27, 2014.
 23. Gautam, S. G., **G. P. Opit**, D. Margosan, and S. Walse. 2014. Investigating possible routes of fumigant penetration into eggs of *Plodia interpunctella* (Lepidoptera: Pyralidae) and *Carpophilus hemipterus* (Coleoptera: Nitidulidae) using osmium tetroxide as a model molecule. Poster: The 62nd Annual Meeting of the Southwestern Branch of the Entomological Society of America. San Antonio, TX. February 24-27, 2014.
 24. **Opit, G.P.**, N. Bhattarai, S.G. Gautam, and S. Paudyal. 2014. Efficacies of spinosad and a combination of chlorpyrifos-methyl and deltamethrin against five pest species of psocids. Poster: The 62nd Annual Meeting of the Southwestern Branch of the Entomological Society of America. San Antonio, TX. February 24-27, 2014.
 25. Bajracharya, N., **G.P. Opit**, J. Talley, and C.L. Jones. 2013. Fitness Effects of Phosphine Resistance Determined by Measurement of Developmental Rates of Resistant and Susceptible Populations of *Rhyzopertha dominica* and *Tribolium castaneum*. Poster: The 61st Annual Meeting of the Entomological Society of America. Austin, TX. November 10-13, 2013.
 26. Bajracharya, N., **G.P. Opit**, J. Talley, and C.L. Jones. 2013. Comparing Effectiveness of Three Traps Used to Monitor *Tribolium castaneum* (Coleoptera: Tenebrionidae). Talk: The 61st Annual Meeting of the Entomological Society of America. Austin, TX. November 10-13, 2013.
 27. Gautam, S.G., **G.P. Opit**, J.S. Tebbets, D. Margosan, D. Hoffman, and S. Walse. 2013. Possible relationship between egg morphology of stored-product insect eggs and fumigant efficacy. Talk: 61st Annual Meeting of the Entomological Society of America. Austin, TX. November 10-13, 2013.

28. Gautam, S.G., **G.P. Opit**, J.S. Tebbets, and S. Walse. 2013. Efficacy of propylene oxide against eggs of four key California stored-product insect pests. Poster: The 61st Annual Meeting of the Entomological Society of America. Austin, TX. November 10-13, 2013.
29. Gautam, S.G., **G.P. Opit**, J.S. Tebbets, and S. Walse. 2013. Efficacy of propylene oxide against eggs of four key California stored-product insect pests. Poster: The 10th Annual Graduate Research in the Biological Sciences Symposium, BMBGSA, OSU. Stillwater, OK. September 19-20, 2013.
30. Bajracharya, N., **G.P. Opit**, J. Talley, and C.L. Jones. 2013. Fitness Effects of Phosphine Resistance Determined by Measurement of Developmental Rates of Resistant and Susceptible Populations of *Rhyzopertha dominica* and *Tribolium castaneum*. Poster: The 10th Annual Graduate Research in the Biological Sciences Symposium, BMBGSA, OSU. Stillwater, OK. September 19-20, 2013.
31. Bajracharya, N., **G.P. Opit**, J. Talley, and C.L. Jones. 2013. Assessment of the fitness cost of phosphine resistance in *Rhyzopertha dominica* and *Tribolium castaneum* through population growth rate studies. Poster: 61st Annual Meeting of the Southwestern Branch of the Entomological Society of America. Las Cruces, NM. February 25-28, 2013.
32. Gautam, S.G., **G.P. Opit**, J.S. Tebbets, and S. Walse. 2013. Efficacy of propylene oxide against eggs of six species of stored-product insects under vacuum. Poster: The 61st Annual Meeting of the Southwestern Branch of the Entomological Society of America. Las Cruces, NM. February 25-28, 2013.
33. Oppert, B., T.D. Morgan, T.W. Phillips, M.J. Aikins, **G.P. Opit**, R.N.C. Guedes, K. Hoon, Y. Sun, G. Meridith, K. Bramlett, N.S. Hernandez, B. Sanderson, M. Taylor, D. Dhingra, and B. Blakey. 2013. Using RNA-Seq to understand phosphine resistance in two stored-product beetles. Poster: 14th Annual Advances in Genome Biology and Technology (AGBT) Meeting. Marco Island, FL. February 20-23, 2013.
34. Gautam, S., **G.P. Opit**, S. Walse, and D. Margosan. 2012. Differences in egg morphology between coleopteran and lepidopteran stored-product insect pests in relation to tolerance to fumigants. Talk: The 60th Annual Meeting of the Entomological Society of America. Knoxville, TN. November 11-14, 2012.
35. Gautam, S., **G.P. Opit**, and K. Shakya. 2012. Effects of constant temperatures on development of the psocid *Liposcelis fusciceps*. Poster: The 60th Annual Meeting of the Entomological Society of America. Knoxville, TN. November 11-14, 2012.
36. Shakya, N., **G.P. Opit**, J. Talley, and C.L. Jones. 2012. Comparing Effectiveness of Three Traps Used to Monitor *Tribolium castaneum* (Coleoptera: Tenebrionidae). Poster: The 60th Annual Meeting of the Entomological Society of America. Knoxville, TN. November 11-14, 2012.
37. Shakya, N., **G.P. Opit**, J. Talley, and C.L. Jones. 2012. Efficacy of Storcide™ II and Liquid Formulation of Spinosad (Sensat™) against Phosphine-Resistant *Rhyzopertha dominica* and *Tribolium castaneum* on Wheat. Poster: The 60th Annual Meeting of the Entomological Society of America. Knoxville, TN. November 11-14, 2012.
38. Otitodun G.O., **G.P. Opit**, and E.U. Okonkwo. 2012. Efficacy of Nigeria-Derived Diatomaceous Earth, Botanical Insecticides, and Riverbed Sand against Major Post-harvest Insects on Wheat. Poster: The 60th Annual Meeting of the Entomological Society of America. Knoxville, TN. November 11-14, 2012.
39. Gautam, S.G., **G.P. Opit**, S. Walse, and D. Margosan. 2012. Differences in egg morphology between coleopteran and lepidopteran stored-product insect pests in relation to resistance to fumigants. The 24th International Congress of Entomology. Daegu, Korea. August 19-25, 2012.

40. Ileleji K.E., **G.P. Opit**, and S. McNeill. 2012. The benefits of training stakeholders across the grain value chain – lessons from a capacity building effort in Ghana. Poster: Purdue Improved Crop Storage Workshop. Accra, Ghana. April 10-12, 2012.
41. Shakya N., **G.P. Opit**, J. Talley, and C.L. Jones. 2012. Efficacy of Storcide™ II and Liquid Formulation of Spinosad (Contain) against Phosphine-Resistant *Rhyzopertha dominica* and *Tribolium castaneum* on Wheat. Talk: The 60th Annual Meeting of the Southwestern Branch of the Entomological Society of America. Little Rock, AR. March 4-7, 2012.
42. Gautam S.G., **G.P. Opit**, and K. Shakya. 2012. Population growth of the psocid *Liposcelis fusciceps* at constant temperatures and relative humidities. Poster: The 60th Annual Meeting of the Southwestern Branch of the Entomological Society of America. Little Rock, AR. March 3-7, 2012.
43. Gautam S.G., **G.P. Opit**, and S. Walse. 2011. Differences between the External Morphology of Dried Fruit Beetle (DFB) and Navel Orangeworm (NOW) Eggs. Poster: Annual Meeting of the Entomological Society of America. Reno, NV. November 12-16, 2011.
44. Arif, M., F.M. Ochoa Corona, **G.P. Opit**, Z. Li, Z. Kucèrová, V. Stejskal, and Q.Q. Yang. 2011. Sensitive detection and discrimination of stored-product pests of genus *Liposcelis* (Psocoptera: Liposcelididae) and *Lepinotus* (Psocoptera: Trogiidae). Poster: Annual Meeting of the Entomological Society of America. Reno, NV. November 12-16, 2011.
45. Pearson, G.E.R., M. Pava-Ripoll, A.K. Miller, **G.P. Opit**, and G.C. Ziobro. 2011. Could incidental storage insect pests be potential food allergens? Talk: Annual Meeting of the Entomological Society of America. Reno, NV. November 12-16, 2011.
46. Gautam, S.G., **G.P. Opit**, S. Walse, and D. Margosan. 2011. Differences between the external morphology of the Dried Fruit Beetle and Navel Orangeworm eggs. Talk: The 8th Annual Graduate Research in the Biological Sciences Symposium, BMBGSA, OSU. Stillwater, OK. September 22-23, 2011.
47. **Opit, G.P.**, and E. L. Bonjour. 2011. Development of integrated pest management of stored-product pests for a food processing plant. Talk: Proceedings of the International Organization for Biological and Integrated Control - West Palaearctic Region Section Working Group on Integrated Protection of Stored Products, Volos, Greece. July 4-7, 2011.
48. Bonjour, E. L. and **G.P. Opit**. 2011. Efficacy of liquid formulations of spinosad for controlling insects infesting stored wheat. Poster: Proceedings of the International Organization for Biological and Integrated Control - West Palaearctic Region Section Working Group on Integrated Protection of Stored Products, Volos, Greece. July 4-7, 2011.
49. Pearson, G.E.R., M. Pava-Ripoll, A.K. Miller, **G.P. Opit**, and G.C. Ziobro. 2011. Allergen cross-reactivity of food-associated insects and crustaceans: a potential public health concern. Poster: FDA 1st Annual Foods Program Science and Research Conference. White Oak, MD 2011.
50. Gautam, S.G., **G.P. Opit**, K.L. Giles, and B. Adam. 2011. Weight Loss and Germination Failure Caused by Psocids in Wheat. Talk: The 59th Annual Meeting of the Southwestern Branch of the Entomological Society of America. Amarillo, Texas. March 7-10, 2011.
51. Gautam, S.G., **G.P. Opit**, and K.L. Giles. 2011. Reproductive parameters of the psocid *Liposcelis rufa* Broadhead at constant temperatures. Poster: The 22nd Annual OSU Research Symposium and Research Scholar Conference, OSU. Stillwater, OK. February 23-25, 2011.
52. Rodriguez-Fernandez, J.I, S.M.N. Lazzari1, F.C. Ceruti, F.A. Lazzari, and **G.P. Opit**. 2010. ESPECTROSCOPIA NO INFRAVERMELHO PRÓXIMO (NIRS): VARIAÇÃO INTRA E INTERESPECÍFICA DE PSOCOPTERA E OTIMIZAÇÃO DE ANÁLISES NUMÉRICAS, page 2299. Poster: XXIII Congresso Brasileiro de Entomologia, 26-30 September, 2010, Natal - RN, Brazil.
53. **Opit, G.P.**, S.G. Gautam, B.A. Aminatou, and J.E. Throne. 2010. Ecological studies of the psocids *Liposcelis brunnea*, *L. rufa*, *L. pearmani*, and *Lepinotus reticulatus*. Poster: The 10th

- International Working Conference on Stored Product Protection, 27 June-2 July 2010, Estoril, Portugal.
54. Bonjour, E.L., and **G.P. Opit**. 2010. Efficacy of dust formulations of spinosad for controlling insects infesting stored wheat. Poster: The 10th International Working Conference on Stored Product Protection, 27 June-2 July 2010, Estoril, Portugal.
 55. Sonia, M.N, F. Lazzari, C. Ceruti, J.I. Rodriguez-Fernandez, **G.P. Opit**, and F. A. Lazzari. 2010. Intra and interspecific variation assessment in Psocoptera using near infrared spectroscopy. Poster: The 10th International Working Conference on Stored Product Protection, 27 June-2 July 2010, Estoril, Portugal.
 56. Athanassiou, C. G., F. H. Arthur, J. E. Throne, **G. P.Opit**, M. Hasan, J. Aikins, T. W. Phillips, and N. G. Kavallieratos. 2010. Effect of selected pesticides against stored-product psocids. Poster: The 10th International Working Conference on Stored Product Protection, 27 June-2 July 2010, Estoril, Portugal.
 57. Zhihong, L., Z. Kučerová, S. Zhao, M. Qin, **G.P. Opit**, V. Stejskal, I. Kalinovic, Q. Yang. 2010. From RFLP specific primer to DNA Barcoding: preliminary study on molecular identification of a common stored product psocid. Poster: The 10th International Working Conference on Stored Product Protection, 27 June-2 July 2010, Estoril, Portugal.
 58. **Opit, G.P.**, J.A. Hardin, E.L. Bonjour, and C.L. Jones. 2009. Efficacy of ozone against the psocids *Liposcelis entomophila*, *L. bostrychophila*, and *L. decolor*. Poster: The 57th Annual Meeting of the Entomological Society of America, 13-16 December, 2009, Indianapolis, IN.
 59. Sandipa, G., **G.P. Opit**, and K. Giles. 2009. Population growth of the psocid, *Liposcelis rufa* Broadhead (Psocoptera: Liposcelididae), at constant temperatures and relative humidities. Poster: The 57th Annual Meeting of the Entomological Society of America, 13-16. December, 2009, Indianapolis, IN.
 60. **Opit, G.P.**, E.L. Bonjour, and R. Beeby. 2009. Seasonal abundance and distribution of psocids in an animal feed warehouse. Poster: Conference of the IOBC/WPRS (OILB/SROP) Working Group on Integrated Protection of Stored Products. Campobasso, Italy. June 29 – July 2, 2009.
 61. Lazzari, S.M.N, F. C. Ceruti, J.I. Rodriguez-Fernandez, **G.P. Opit**, and F.A. Lazzari. 2009. Patterns of diversity in Psocoptera using near infrared spectroscopy.” Poster: Conference of the IOBC/WPRS (OILB/SROP) Working Group on Integrated Protection of Stored Products. Campobasso, Italy. June 29 – July 2, 2009.
 62. Bonjour, E.L., C.L. Jones, **Opit, G.P.**, R. Beeby, F.H. Arthur, and T.W. Phillips. 2009. Efficacy of heat to disinfest concrete grain silos. Poster: Conference of the IOBC/WPRS (OILB/SROP) Working Group on Integrated Protection of Stored Products. Campobasso, Italy. June 29 – July 2, 2009.
 63. **Opit, G.P.** and E.L. Bonjour. 2009. Effect of interaction between *Tribolium confusum* Duval (Coleoptera: Tenebrionidae) and *Liposcelis decolor* (Pearman) (Psocoptera: Liposcelididae). Poster: Annual Meeting of the Southwestern Branch of the Entomological Society of America. Stillwater, OK. February 23-27, 2009.
 64. **Opit, G.P.** and E.L. Bonjour. 2009. Efficacy of Diacon® II for the control of *Plodia interpunctella* (Lepidoptera: Pyralidae) and *Tribolium castaneum* (Coleoptera: Tenebrionidae) in bird seed blocks. Poster: Annual Meeting of the Southwestern Branch of the Entomological Society of America. Stillwater, OK. February 23-27, 2009.
 65. Throne, J.E., P.W. Flinn, and **G.P. Opit**. 2007. Comparison of methods for sampling psocids in stored wheat. Talk: International Organization for Biological and Integrated Control of Noxious Animals and Plants, Poznan, Poland, 20-23 August, 2007.

66. Flinn, P.W., J.E. Throne, and **G.P. Opit**. 2007. Automated monitoring system for stored-product insects. Talk: International Organization for Biological and Integrated Control of Noxious Animals and Plants, Poznan, Poland, 20-23 August, 2007.
67. **Opit, G.P.**, J. E. Throne, and P.W. Flinn. 2006. Temperospatial distribution of psocids in stored wheat. Talk: Annual meeting of the Entomological Society of America, Indianapolis, IN, USA.
68. Throne, J.E., **G.P. Opit**, and P.W. Flinn. 2006. Seasonal distribution of psocids in stored wheat. Talk: The 9th International Working Conference on Stored Product Protection, Campinas, Brazil, 15-18 October 2006.
69. Flinn, P.W., J.E. Throne, and **G.P. Opit**. 2006. Integrating the stored grain advisor expert system with an automated electronic grain probe trapping system. Talk: The 9th International Working Conference on Stored Product Protection, Campinas, Brazil, 15-18 October 2006.
70. **Opit, G.P.** and J.E. Throne. 2006. Prevalence of psocids in stored wheat and the biology of *Lepinotus reticulatus* Enderlein (Psocoptera: Trogiidae). Talk: Annual Meeting of the North Central Branch of the Entomological Society of America. Normal, IL. March 27, 2006.
71. **Opit, G.P.**, G.K. Fitch, K.A. Williams, D.C. Margolies, and J.R. Nechols. 2005. Effects of overhead watering and spaghetti tube irrigation on biological control of *Tetranychus urticae* by *Phytoseiulus persimilis*. Poster: Annual Meeting of the North Central Branch of the Entomological Society of America. West Lafayette, IN. March 22, 2005.
72. Holt, K.M., **G.P. Opit**, J.R. Nechols, D.C. Margolies and K.A. Williams. 2005. Testing for non-target effects of Conserve® on twospotted spider mite (Acari: Tetranychidae) and its predator, *Phytoseiulus persimilis* (Acari: Phytoseiidae). Poster: Annual Meeting of the North Central Branch of the Entomological Society of America. West Lafayette, IN. March 21, 2005.
73. **Opit, G.P.**, J.R. Nechols, D.C. Margolies, and K.A. Williams. 2005. Integrating scouting-based action thresholds for biological control of the twospotted spider mite and western flower thrips on greenhouse bedding plants. Talk: Symposium "Incorporating Natural Enemies into Crop Protection Decision Making" at the National Meeting of the Entomological Society of America, Ft. Lauderdale, FL, 6-9 November.
74. **Opit, G.**, J. Nechols, D. Margolies, and K. Williams. 2004. Survival and horizontal distribution of predatory mites (Acari: Phytoseiidae) released using mechanical blowers. Poster: Annual meeting of the Entomological Society of America, Salt Lake City, UT, USA.
75. **Opit, G.P.**, J. Nechols, D. Margolies, and K. Williams. 2004. Action thresholds for greenhouse bedding plants: a moving target. Talk: Annual Meeting of the North Central Branch of the Entomological Society of America, Kansas City, KS, USA.
76. **Opit, G.P.**, Y. Chen, K. Williams, J. Nechols, and D. Margolies. 2003. Developing action thresholds for twospotted spider mites on ivy geranium. Poster: Annual meeting of the Entomological Society of America, Cincinnati, OH, USA.
77. **Opit, G.P.**, J. Nechols, D. Margolies, K. Williams, and Y. Chen. 2003. Developing a biologically based management strategy for spider mites on ivy geranium. Talk: Fourth National Integrated Pest management Conference, Indianapolis, IN, USA.
78. **Opit, G.P.**, J. Nechols, and D. Margolies. 2003. Biological control of twospotted spider mites, *Tetranychus urticae*, using *Phytoseiulus persimilis* on ivy geranium: assessment of predator release ratios. Talk: Kansas State University, Graduate Research Forum.
79. **Opit, G.P.**, J. Nechols, D. Margolies, K. Williams, and Y. Chen. 2002. Assessment of twospotted spider mite damage and predator release ratios on greenhouse ivy geranium. Poster: Annual meeting of the Entomological Society of America, Fort Lauderdale, FL, USA.
80. **Opit, G.P.**, J. Nechols, D. Margolies, and K. Williams. 2001. Assessing the effectiveness of predator:prey ratios for the control of twospotted spider mite on ivy geranium. Poster: Annual meeting of the Entomological Society of America, San Diego, CA, USA.

81. **Opit, G.P.**, V. Jonas, D. Margolies, J. Nechols, and K. Williams. 2000. Effect of water stress and ivy geranium cultivar, (*Pelargonium peltatum* (L.) L'Her ex Ait.), one susceptible ('Amethyst') and one resistant ('Sybil Holmes'), on twospotted spider mite, *Tetranychus urticae* Koch (Acari: Tetranychidae), development and population growth. Poster: NCB ESA Annual Meeting, Minneapolis, Minnesota, USA.
82. **Opit, G.P.**, V. Jonas, D. Margolies, J. Nechols and K. Williams. 2000. Effect of water management and ivy geranium cultivar (*Pelargonium peltatum* (L.) L'Her ex Ait.), on two spotted spider mite, *Tetranychus urticae* Koch (Acari: Tetranychidae), population growth and distribution. Poster: Annual meeting of the Entomological Society of America, Montreal, Canada.

INDUSTRY PUBLICATIONS

1. **Opit, G.P.** 2014. Coping with Phosphine Resistance. *Milling Journal* (Third Quarter): 18-22.
2. **Opit, G.P.**, and S. Bajracharya. 2014. Strong Phosphine Resistance in Stored Grain Insects in the U.S. and Implications for Management? *International Miller* (First Quarter): 17-19.
3. Gautam, S.G., and **G.P. Opit**. 2014. Insect Eggs - Are Openings in Stored-Product Insect Eggs Related to Effectiveness of Fumigants? *Fumigants & Pheromones Issue 110* (Spring 2014): 5.
4. **Opit, G. P.**, and S. Bajracharya. Strong Phosphine Resistance in Stored Grain Insects in the U.S. and Implications for its Management? *International Miller* (in press – to be published in March 2014).
5. **Opit, G. P.**, and S. Bajracharya. Can Phosphine-Resistant Lesser Grain Borers and Red Flour Beetles Still Thrive in the Absence of Phosphine Use? *Fumigants & Pheromones Issue 108* (Fall 2013): 7.
6. **Opit, G.**, and T. Phillips. 2013. 'Strong' Phosphine Resistance Found in U.S. Stored Grain Insects. *Feed and Grain*, June/July 2013 Issue: 18-23 (Figure 4).
7. **Opit, G.P.**, and S. Bajracharya. 2013. Phosphine-Resistant Stored-Product Insect Pests can be Destroyed! *Fumigants & Pheromones Issue 106* (Spring 2013): 4-5
8. Gautam, S., **G.P. Opit**, and S. Walse. 2013. Insect Eggs – why are some stored product insect eggs difficult to kill using fumigants? *Fumigants & Pheromones Issue 105* (Winter 2013): 7.

INTERNATIONAL OUTREACH PUBLICATIONS

1. Ileleji, K., **G. P. Opit**, S. McNeill. 2011. Use D.I.C.E. to Reduce Aflatoxins, Improve Grain Quality, & Increase Profits. Poster. Purdue Extension, West Lafayette, IN. Extension Publication # ABE-130.
2. Ileleji, K., **G.P. Opit**, S. McNeill. 2011. Protecting Stored Grain with D.I.C.E. Post-Harvest Grain Management System. Brochure. Purdue Extension, West Lafayette, IN. Extension Publication # ABE-131.
3. **Opit, G.P.**, S. McNeill, and K. Ileleji. 2011. Fumigate Well & Safely...for Better Control of Grain Insects, Grain Availability, and Profits. Poster. Oklahoma State University Cooperative Extension, Stillwater, OK. Extension Publication # L-349.
4. **Opit, G.P.**, S. McNeill, and K. Ileleji. 2011. Phosphine Fumigation. Brochure. Oklahoma State University Cooperative Extension, Stillwater, OK. Extension Publication # L-350.
5. **Opit, G.P.**, S. McNeill, and K. Ileleji. 2011. Use Integrated Pest Management (IPM) when Storing Grain... for Good and Safe Control of Grain Pests, & for Increased Food Availability and Profits. Poster. Oklahoma State University Cooperative Extension, Stillwater, OK. Extension Publication # L-351.
6. **Opit, G.P.**, S. McNeill, and K. Ileleji. 2011. Integrated Pest Management. Brochure. Oklahoma

State University Cooperative Extension, Stillwater, OK. Extension Publication # L-352.

TEACHING ACTIVITIES

Oklahoma State University

ENTO 2993	Introduction to Entomology	Spring	2016
ENTO 2993	Introduction to Entomology	Fall	2016
ENTO 2993	Introduction to Entomology	Fall	2015
ENTO 2993	Introduction to Entomology	Fall	2014
ENTO 2993	Introduction to Entomology	Fall	2013
ENTO 2993	Introduction to Entomology	Fall	2012
ENTO 2993	Introduction to Entomology	Fall	2011
ENTO 3021	Postharvest Insect Pests	Spring	2009