

2021 CURRICULUM VITAE

DR. KAMAL J.K. GANDHI

1. ACADEMIC HISTORY

Name: Kamal J.K. Gandhi
Present Rank: Professor
EFT: 70% Research, 20% Instruction, 5% Service, 5% Administrative
Tenure Status: Tenure granted in 2013
Administrative Title: Director (since 2018), Southern Pine Health Research Cooperative
Graduate Faculty Status: Full status, granted in 2008
Highest Degree Earned: Ph.D., 2005, University of Minnesota, USA
Other Education: M.S., 1999, University of Alberta, Canada
B.S., 1993, University of Delhi, India

Academic Positions

2018-Present Professor, Warnell School of Forestry and Natural Resources, University of Georgia
2008-Present Adjunct Faculty, Department of Entomology, University of Georgia
2013-2018 Associate Professor, Warnell School of Forestry and Natural Resources, University of Georgia
2008-2013 Assistant Professor, Warnell School of Forestry and Natural Resources, University of Georgia
2006-2008 Postdoctoral Researcher, Department of Entomology, The Ohio State University
2000-2001 Research Fellow, Departments of Forest Resources and Entomology, University of Minnesota
1999-2000 Research Project Coordinator, University of Alberta and Weyerhaeuser Canada

2. INSTRUCTIONAL ACTIVITY

Course-Work

A. Undergraduate and Split-level courses

Course Number and Name	Semester	Credit Hours	# Students	% Teach
FORS 4210/6210: Forest Health and Protection	Spring 2021	3	40	50
FORS 4210/6210: Forest Health and Protection	Spring 2020	3	37	50
FORS 4210/6210: Forest Health and Protection	Spring 2019	3	48	50
FORS 5610/7610: Prescribed Fire in the Forest Ecosystem	Spring 2019	2	15	100

FYOS 1001: Freshman Odyssey Seminar, What's Bugging my Trees?	Fall 2018	1	15	100
FORS 5610/7610: Prescribed Fire in the Forest Ecosystem	Spring 2018	2	11	100
FORS 4210/6210: Forest Health and Protection	Spring 2018	3	43	50
FORS 5610/7610: Prescribed Fire in the Forest Ecosystem	Spring 2017	2	16	100
FORS 4210/6210: Forest Health and Protection	Spring 2017	3	41	50
FORS 5610/7610: Prescribed Fire in the Forest Ecosystem	Spring 2016	2	16	100
FORS 4210/6210: Forest Health and Protection	Spring 2016	3	35	100
FORS 4210/6210: Forest Health and Protection	Spring 2015	3	33	100
FORS 4210/6210: Forest Health and Protection	Spring 2014	3	45	100
FANR 3200-3200L: The Ecology of Natural Resources	Fall 2013	5	27	50
FORS 4210/6210: Forest Health and Protection	Spring 2013	3	37	100
FANR 3200-3200L: The Ecology of Natural Resources	Fall 2012	5	34	50
FYOS 1001: Freshman Odyssey Seminar, What's Bugging my Trees?	Fall 2012	1	14	100
FORS 4210/6210: Forest Health and Protection	Spring 2012	3	39	100
FANR 3200-3200L: The Ecology of Natural Resources	Fall 2011	5	39	50
FORS 4210/6210: Forest Health and Protection	Spring 2011	3	34	100
FANR 3200-3200L: The Ecology of Natural Resources	Fall 2010	5	41	50
FORS 4210/6210: Forest Health and Protection	Spring 2010	3	46	100
FANR 3200: The Ecology of Natural Resources	Fall 2009	4	39	50
FORS 4210/6210: Forest Health and Protection	Spring 2009	3	38	100

B. Graduate Courses

Course Number and Name	Semester	Credit Hours	# Students	% Teach
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FORS 8220-8220L: Advanced Forest Entomology	Fall 2020	3	8	100
FORS 8080: Forest Health Seminar	Spring 2020	1	10	50
FORS 8080: Forest Health Seminar	Spring 2019	1	11	50
FORS 8220-8220L: Advanced Forest Entomology	Fall 2018	3	7	100
FORS 8220-8220L: Advanced Forest Entomology	Fall 2016	3	6	100
FANR 8900: Teaching Practicum	Fall 2014	1-3	9	50
FORS 8220-8220L: Advanced Forest Entomology	Fall 2014	3	8	100
FANR 7900/9000: Teaching Practicum	Fall 2013	1/3	15	33
FORS 8220-8220L: Advanced Forest Entomology	Fall 2012	3	4	100
FORS 8980: Advanced Forest Entomology	Fall 2010	3	6	100

C. Directed Studies and Honors Project

- 2010, Two Directed Studies by students in Warnell School and Odum School of Ecology.
- 2009, One each of Honors Project and Directed Studies by students in Warnell School.

D. Extension Courses

- 2020, Extension talk on bark, woodboring and ambrosia beetles on loblolly pines, Georgia Arborist Association Bi-monthly Training & General Membership Meeting, July 2020.
- 2020, Extension talk on current forest health issues, University of Georgia Extension Gwinnett Green Industry, Lawrenceville, Georgia, March 2020.
- 2018, Trained scientists, state, and federal personnel on the diagnosis and detection of white pine scale insect, Chattahoochee National Forest, USDA-NIFA-AFRI meeting.
- 2016, Module on forest health issues in the southern Appalachians for a continuing education course, NatRAT - Mountains.
- 2015, Taught the forest entomology section of the continuing education course: Emerging Issues in Forest Health. The course was attended by land-owners, arborists, forest managers, etc.
- 2014, Bark Beetle Academy Workshop, Gainesville, Florida. Co-developed a module for pine bark beetle management with Jeff Eickwort (Florida Forest Service).
- 2014, Bark Beetle Academy Workshop, Gainesville, Florida. Co-developed a module for ecology and identification of woodboring beetles with Rick Hoebeke (University of Georgia).
- 2012, Taught the forest entomology section of the continuing education course: Emerging Issues in Forest Health.
- 2012, Invited to teach the ecology component of the International Organization for Biological Control, Nearctic Regional Section, Carabid Shortcourse 2012 sponsored by the USDA-ARS, Sioux Falls, South Dakota.

- 2010, Taught the forest entomology section of the continuing education course: Emerging Issues in Forest Health. The course was attended by 47 people that included land-owners, arborists, forest managers, etc.

E. Lectures in Other Courses

- FANR 1100, Natural History. Integrated pest management, Spring and Fall 2018; Spring 2019 (co-taught).
- ECOL 4950, Senior Seminar in Ecology. Hemlock woolly adelgid management, Fall 2017.
- FORS 5010/7010: Taught a lecture on urban insects and their management, Spring 2009-2016 (each year; co-taught in 2016).
- FORS 1000: Introduction to Forestry: Assisted with lecture on forest insects, Spring 2014.
- WILD 5330/7330, Wildlife Management in Agriculture Ecosystems: Designed and taught laboratories on insect sampling and their identifications in grassland and crop ecosystems, Fall 2011-2013, 2015, 2016.
- FANR 3200, Ecology of Natural Resources. Taught a lecture on biogeography, Spring 2015.
- FORS 5610/7610, Prescribed Fire in the Forest Ecosystem. Contributed a module on interactions between fire and forest insects at Jones Center, Spring 2014.
- FANR/MARS 1100, Natural Resource Conservation: Taught a lecture on new and emerging exotic forest pests in Georgia, Fall 2011.
- First Year Odyssey Seminar: Managing your Family Forest for Fun and Profit: Taught a lecture on insects and diseases in forest stands, Fall 2011 and 2012.
- FANR 3200: Designed and taught a new lab and lectures on insect populations, Spring 2009 and 2010.

F. Invited Speaker for Graduate Events

- Science Policy, Advocacy, and Politics, ComSciCon-ATL, Science Communication Panel Member, 2020.
- Panel member, Gender, the Body, and Fieldwork Across Disciplines Symposium, 2019.
- Prof-caffeination hour, Warnell Graduate Student Association, 2018.
- Invited Co-speaker on Securing an Academic Job, Warnell Seminar Series on Teaching, 2010.

G. Contribution to K-12 Students

- Assisted with training to obtain an Insect Badge for Boy Scouts of America, 2013.
- Assisted with designing of forest health component of the Insectival (Insect Festival) at the Georgia State Botanical Garden, 2013.
- Information for curriculum material, as related to ecological impacts of exotic emerald ash borer, provided for K-12 students in Ohio, 2011.

Major Advising/Mentoring of Students

Graduate Students

Currently Serve as a Major Advisor:

1. Keith Caprio, M.F.R., August 2020-onwards. Non-thesis forestry degree.
2. Lea Clark, M.F.R., January 2019-onwards, Non-thesis forestry degree.

3. Christine Favorito, M.S., January 2020-onwards, Thesis Title: Pollinators in managed forests.
4. Ben Gochmour, Ph.D., August 2018-onwards, Thesis Title: *Ips avulsus* on longleaf pines in southeastern U.S.
5. Holly Munro, M.S., January 2017-onwards, Thesis Title: Southern pine beetle dynamics.
6. Katie O'Shields, M.S., August 2020-onwards, Thesis Title: Southern pine beetle and host tree odor interactions.
7. Haley Ritger, Ph.D., August 2015-onwards, Thesis Title: Relationships between ecophysiology and bark beetles in longleaf pine trees.
8. Seth Spinner, M.S., January 2020-onwards, Thesis Title: Subcortical beetles in windthrown pine stands.

Students Graduated as a Major Advisor (current positions):

1. Brittany Barnes, M.S., 2012, Thesis Title: Distribution and trapping techniques for woodboring insects in southeastern U.S. (Research Professional, University of Georgia)
2. Kayla Brownell, M.S., 2014, Thesis Title: Ecology of native and exotic bark and woodboring beetles in Georgia. (Agriculture Inspector, Georgia Department of Agriculture)
3. Jordan Burke, M.S., 2011, Thesis Title: Interactions between fire, bark beetles, fungi, and loblolly pines. (Postdoctoral Researcher, University of British Columbia, Deceased)
4. Jamie Dinkins, M.S., 2011, Thesis Title: Responses of *Sirex noctilio* to southern pine species. (Ph.D. student, Barcelona University Autonomia)
5. Christine Fortuin, Ph.D., 2020, Thesis Title: Pollinator dynamics in managed and contaminated landscapes. (Postdoctoral Researcher, University of Georgia)
6. Angela Mech, Ph.D., 2015, Thesis Title: Factors affecting hemlock health in the southern Appalachians. (Assistant Professor, University of Maine)
7. Bailey McNichol, M.S., 2018, Thesis Title: Biological attributes of endemic and epidemic individuals of southern pine beetle. (Ph.D. student, University of Nebraska)
8. Derek Robertson, M.S., 2014, Thesis Title: Chemical ecology of hymenopteran parasitoids of native siricids. (Athens, Georgia)
9. Ashley Schulz, M.S., 2015, Thesis Title: Interactions between scale insect, pathogens, and health of white pine trees in the Appalachians. (Postdoctoral Researcher, Colorado State University)
10. Ansley Silva, M.S., 2016, Thesis Title: Effects of chemical and radioactive contamination on carrion insects. (Yoga Instructor, University of Washington)
11. Jenny Staeben, Ph.D., 2014, Thesis Title: Assessing the chemical ecology and cost-share prevention program for southern pine beetle. (Lawyer, Wyoming)
12. Thomas Whitney, Ph.D., 2019, Thesis Title: Genetics of *Matsucoccus macrocetrices* and white pine trees. (Entomologist, Davey Tree Company)

Serve on Graduate Committees:

Current Committees

1. Nawa Pokhrel, M.S. 2020, Warnell School of Forestry and Natural Resources.
2. Mason Richins, M.S. 2019, Warnell School of Forestry and Natural Resources.
3. Crystal Bishop, M.S., 2019, Warnell School of Forestry and Natural Resources.
4. Simone Lim-Hing, Ph.D. 2019, Department of Plant Biology.

5. John Soto, Ph.D., 2018, Department of Plant Pathology.
6. Zackary Parker, M.S., 2018, Warnell School of Forestry and Natural Resources.

Previous Committees

1. Alexandra Kenna, M.S., 2019-2020, The Odum School of Ecology.
2. Victoria Cassidy, M.S., 2018-2020, Warnell School of Forestry and Natural Resources.
3. Megan Buland, M.S., 2017-2019, Warnell School of Forestry and Natural Resources.
4. Angela Myer, Ph.D., 2014-2019, Department of Entomology.
5. Travis Pruitt, MFR, 2017-2018, Warnell School of Forestry and Natural Resources.
6. Roberto Carrera-Martinez, M.S., 2016-2018, Warnell School of Forestry and Natural Resources.
7. Kira McEntire, Ph.D., 2013-2018, Warnell School of Forestry and Natural Resources.
8. Todd Nimms, MNR, 2016-2017, Warnell School of Forestry and Natural Resources.
9. Tommy McElrath, Ph.D., 2012- 2017, Department of Entomology.
10. Mohammad Nabavi, M.S., 2014-2016, Warnell School of Forestry and Natural Resources.
11. Jessica Mitchell, M.S., 2014-2016, Warnell School of Forestry and Natural Resources.
12. Courtney Holt, Ph.D., 2012- 2016, Department of Entomology.
13. Changho Ahn, Ph.D., 2014-2016, Warnell School of Forestry and Natural Resources.
14. Sabrie Breland, M.S., 2012- 2015, The Odum School of Ecology.
15. Joseph C. Poythress, M.S., 2012- 2015, Department of Horticulture.
16. Katherine Servidio, M.S., 2013-Fall 2014, Warnell School of Forestry and Natural Resources.
17. Cera Oscika, M.S., 2009-2013, Department of Entomology.
18. David Jensen, MFR, 2012-2013, Warnell School of Forestry and Natural Resources.
19. Kevin Chase, M.S., 2011-2013, Mississippi State University.
20. Joanna Hatt, M.S., 2010-2013, Warnell School of Forestry and Natural Resources.
21. Jena Hickey, Ph.D., 2010-2012, Warnell School of Forestry and Natural Resources.
22. Fern Lehman, M.S., 2009-2012, Odum School of Ecology.
23. Brett Maley, M.S., 2009-2011, Warnell School of Forestry and Natural Resources.

Postdoctoral Researcher

1. Christine Fortuin, 2020-present.
2. Chelsea Miller, 2020-present.
3. Nicholas Bolton, 2017-2018.
4. David Coyle, 2010-2015.

External Examiner for Graduate Thesis

- Ph.D. Thesis, University of Melbourne, Australia, 2013.

Undergraduate Students

- Warnell Senior Thesis Major Advisor: Courtney Brissey, 2012; Madeleine Dupuy, 2013; Shawn Harrington, 2014; Sarah Klincet, 2019-2020.
- Warnell Senior Thesis Committee: Elise McDonald, Fall 2019; Anna Vizurraga, Spring 2015; Serenia Larrison, Spring 2014; Jamie Smoak, Fall 2011; Katherine Servidio, Fall 2011; Christine Holtz, Fall 2010.

- Warnell Senior Project: Steven Andrews, Daniel Jones, Jackson Mower, Andrew Rhonemus, Spring 2019.
- Warnell Senior Project: S. Brewer, M. Jennings, and D. Wilder, Spring 2013.
- Warnell Senior Project: B. Brannon, D. Noe, and P. Tupper, Fall 2010.
- Warnell Undergraduate Advising Current: Gleb Mitskevich; Joshua Ryan Sego; Chad Mcardle.
- Warnell Undergraduate Advising Completed: Caleb Skipper; Whitney Michelle Pemberton; Justin Andrew Sheppard; Kathleen Garcia; Matthew Mrizek; Jonathan Ray Alexander Barfield; Robert Massenburg; Johnathon Paynter; Rebecca Smith; Matthew Usry.
- Honors Seminar (3070H): assisted with information on bark beetles, Spring 2015.
- Honors Thesis, Reader: H. Field, College of Journalism, Spring 2014.

Personnel Awards from the Forest Entomology Laboratory

- Holly Munro won the Roger F. Anderson Award for outstanding graduate student at the Southern Forest Insect Work Conference, 2020.
- At the Annual Warnell School Awards, following students won awards: Christine Fortuin - Shirley Forestry and Natural Resources Education Endowment; Ben Gochnour - Robert Gooding McAlpine Scholarship; Holly Munro - Martha Love May Memorial Scholarship, 2020
- Holly Munro was the Society of American Foresters (SAF) Diversity Scholar and the useR! International Conference Diversity Scholar Award, 2020
- Holly Munro won the first Place Poster Presentation, Warnell Graduate Student Symposium, 2020
- Holly Munro won the first place in oral presentation at the SOFOR GIS Conference, 2019
- Brittany Barnes received the Outstanding Staff Award at the Warnell School, 2020.
- At the Annual Warnell School Awards, following students won awards: Holly Munro - Fanning Graduate Fellowship, Archie Patterson Endowed Scholarship, and Twin Rivers Timber Land and Timber Scholarship, 2019
- Bailey McNichol co-won the first award for her oral presentation at the Society of American Foresters Meeting, 2018.
- Christine Fortuin was awarded the USDA SARE Graduate Student grant, 2018.
- Thomas Whitney won the Roger F. Anderson Award for outstanding graduate student at the Southern Forest Insect Work Conference, 2018.
- Holly Munro won the second place in President's Prize for Oral Presentation, Entomological Society of America, Entomological Society of Canada, and Entomological Society of British Columbia Meeting, 2018.
- Thomas Whitney won the first place in oral presentation at the Southern Forest Insect Work Conference, 2018.
- Holly Munro won the Fanning Award, Graduate School, UGA, 2018.
- Ben Gochnour was selected to participate in the NSF GS-LEAD program for leadership training, UGA, 2018.
- Holly Munro won the T.L. Bissell Award for best M.S./B.S. oral presentation at the Annual Georgia Entomological Society Meeting, 2018.
- Thomas Whitney won the C.M. Beckham Award for 2nd best Ph.D. oral presentation at the Annual Georgia Entomological Society Meeting, 2018.

- Holly Munro won the Allen Scholarship, Warnell School of Forestry and Natural Resources, University of Georgia, 2018.
- Haley Ritger won the Innovative and Interdisciplinary Research Grant, Graduate School, University of Georgia, 2018.
- Christine Fortuin won the first award for oral presentation, and Holly Munro won the second award for poster presentation at the Annual Warnell Graduate Student Symposium, 2018.
- Haley Ritger was selected to participate in the NASA DEVELOP National Program, 2018.
- Thomas Whitney won the second place award for oral presentation at the Southern Forest Insect Work Conference, 2017.
- Bailey McNichol won the first award for her oral presentation and Holly Munro won the third award for her poster presentation at the Annual Warnell Graduate Student Symposium, 2017.
- Thomas Whitney won the second place award for oral presentation at the XXV International Congress of Entomology, Orlando, Florida, 2016.
- Bailey McNichol received the Warnell School Graduate Assistantship, 2016-2018.
- Haley Ritger won the Martha Love May Memorial Scholarship at Warnell School, 2016 and 2017.
- Christine Fortuin won the EPA-STAR Graduate Fellowship, 2016.
- Christine Fortuin won the first award for her oral presentation at the Annual Warnell Graduate Student Symposium, 2016.
- Thomas Whitney won the OVPR International Travel Grant, 2016.
- Thomas Whitney won the Innovative and Interdisciplinary Research Grant from the Graduate School, University of Georgia, 2015.
- Ansley Silva won the second award for her poster at the Annual Meeting of the Georgia Entomological Society, 2015.
- Ansley Silva won the Elmo C. Hester, Jr. Scholarship, 2015.
- Thomas Whitney and Ashley Schulz respectively won the first and second awards for their oral presentations at the Annual Warnell Graduate Student Symposium, 2015.
- Ashley Schulz won the first award for her poster presentation at the Annual Meeting of the Entomological Society of America, Portland, Oregon, 2014.
- Thomas Whitney received the Excellence in Graduate Recruitment Fund Top-up Award, University of Georgia, 2014.
- Ashley Schulz won the Great Lakes National Scholarship, 2014.
- Mauranda Upchurch won first award for her poster presentation at the Science Fair for High School Students by the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCCHE), 2014.
- Christiane Helbig won the second place award for her oral presentation at the Southern Forest Insect Work Conference, 2014.
- Ashley Schulz won a Sigma Xi Travel-in-Aid Award for her research project, 2014.
- Ashley Schulz won Robert Gooding McAlpine Scholarship, Courtney Brissey won Martha Love May Memorial Scholarship, and Angela Mech won Young Alumni Scholarship for Leadership & Training and Warnell Outstanding Graduate Teaching Assistant Award, 2014.
- Courtney Brissey was inducted into Xi Sigma Pi Society, 2014.

- Courtney Brissey won second prize and Angela Mech won first prize for graduate oral presentations at the Annual Warnell Graduate Student Symposium, February 2014.
- Derek Robertson won the best image award for series of SEM photos on a parasitoid wasp at the Southern Forest Insect Work Conference, 2013.
- Angela Mech won the NAUFRP IUFRO Work Congress Student Scholarship, 2014.
- Angela Mech won the C.M. Beck award for outstanding Ph.D. presentation at the Georgia Entomological Society, 2013.
- Angela Mech was selected to participate in the Future Faculty Program at Center for Teaching and Learning, UGA, 2013.
- Angela Mech won an award for outstanding poster presentation at the Women at Frontier, *Thinc*. Conference at UGA, 2013.
- Angela Mech won the Robert Goodling McAlpine Scholarship and Rotaract Student Service Award, 2013.
- Derek Robertson won the Gerald and Charlotte Alexander Saunders Scholarship, 2013.
- Jenny Staeben won the Judith Fitzgerald Brooks Memorial Scholarship, 2013.
- Angela Mech was inducted into the Blue Key Society for Outstanding Students, 2013.
- Jenny Staeben and Angela Mech were inducted into Xi Sigma Pi Society, 2013.
- Angela Mech won 2013 UGA Teaching Assistant of the Year Award.
- Courtney Brissey won one of the 2013 UGA Student Employee of the Year Award.
- Angela Mech won the first place, and Derek Robertson and Jenny Staeben won the second place awards for graduate oral presentations, and Madeleine Dupuy won the second place award for her undergraduate poster at the Annual Warnell Graduate Student Symposium, 2013.
- Angela Mech was selected to be Who's Who as Graduate Student from Warnell, 2012.
- Angela Mech won the Archie E. Patterson Award, 2012.
- Angela Mech and Brittany Barnes, respectively, won first and third place awards for their oral presentations, and Courtney Brissey won first place award for undergraduate poster at the Annual Warnell Graduate Student Symposium, 15-16 February, 2012.
- Angela Mech, Jordan Burke, and Jenny Staeben won second place awards, and Brittany Barnes won third place award at the Warnell Graduate Student Symposium, 3-4 March 2011.
- David Coyle was nationally selected to be one of the postdoctoral researchers to participate in the First IV Program by NSF to enhance teaching and curriculum building abilities.
- David Coyle was selected to represent the North Central Forest Pest Workshop at the plenary sessions at the 2011 North American Forest Insect Work Conference, Portland.
- Jamie Dinkins won the Outstanding M.S. Student Display at the Entomological Society of America, Southeastern Branch Meeting, Atlanta, 7-10 March 2010.
- Angela Mech received the Warnell Graduate Assistantship for 2010-2014.
- Brittany Barnes, Jamie Dinkins, and Angela Mech won third place awards for their oral presentations at the Warnell Graduate Student Symposium, 3-4 March 2010.
- Jackson Audley won one of the 2010 University of Georgia, Student Employee of the Year Award.

Hosting of Other Students within University of Georgia

A. Graduate Student Training

1. Courtney Holt (Ph.D. student, an Interdisciplinary Life Sciences Program), 2011.
2. Michael Bordeaux (Ph.D. student, Warnell School), 2010.
3. Patti Newell (Ph.D. student, Warnell School), 2010.
4. Brett Maley (M.S. student, Warnell School), 2010.
5. Jane Shetsov (Ph.D. student, Odum School of Ecology), 2009.
6. Britnie Foutch (Ph.D. student, an Interdisciplinary Life Sciences Program), 2009.

B. Undergraduate Student and Technician Training

1. Joshua Barbosa, 2020-present.
2. Sarah Klincet, 2020.
3. Keith Caprio, 2020.
4. Katie O'Shields, 2019-2020.
5. Tina Patterson, 2019.
6. Matigan Lee, 2019.
7. Michael DelRossi, 2018-2019.
8. Monty Morris, 2018-2018.
9. Derek Robertson, 2017-2018.
10. Lea Clark, 2017-2018.
11. Neema Tavakolian, 2017.
12. Jamie Botsch, 2017.
13. Holly Munro, 2016.
14. Arya Aghdasi, 2015-2016.
15. Danielle Sank, 2014- 2015.
16. John Doyle, 2014- 2015.
17. Steven Hughes, 2013- 2014.
18. Ansley Silva, 2013- 2014.
19. Kristopher Smoot, 2012- 2013; 2015.
20. Joel Adair, 2012.
21. Courtney Brissey, 2011-2013.
22. Sean Meadows, 2010-2011.
23. Harman Johar, 2010.
24. Jackson Audley, 2009-2011.
25. Brittany Barnes, 2009.
26. Jordan Burke, 2009.

C. High School Students

1. Eduardo Ricome, Young Scholar Program, 2016.
2. Mauranda Upchurch, Young Scholar Program, 2014.
3. Juan Prado-Graziosi, Young Scholar Program, 2012.
4. Nakia Lee, Young Scholar Program, 2011.
5. Connie Reeder, a foreign exchange student, 2010.
6. Agnieszka Gaertig and Chastity Lester, Young Dawgs Program, 2010.

Hosting of Personnel from outside the University of Georgia (National & International)

1. Danyang Fu, Ph.D. student, Northwestern A&F University, China, 2019-2020.
2. Michael Muller, Sabbatical at UGA, Dresden Technological University, Germany, 2018.

3. Mauricio Lagos, Visiting Scientist, ORISA, Honduras, August 2016.
4. Jiangming Yao, Ph.D. student, Guangxi University, China, March 2015-2016.
5. Christiane Helbig, Ph.D. student, Dresden Technological University, Germany, Oct. 2013-2014.
6. Kayla Perry, M.S. student, The Ohio State University, 2013.

Other Laboratory Teaching Experiences

University of Minnesota

FR 4611 Field Silviculture (Forest Entomology Component), 2000-2002

ENT 4251 Forest and Shade Tree Entomology, 2001

University of Alberta

ZOOL 302 Invertebrate Development, 1999

ZOOL 351 Aquatic Invertebrates of Alberta, 1998

BIOL 108 Organisms in their Environment, 1997-1998

ZOOL 250 Survey of the Invertebrates, 1997

3. SCHOLARLY ACTIVITIES

A. PUBLICATIONS (first or last position indicates Principal Investigator, † = with lab personnel)

Books

Gandhi, K.J.K., and Hofstetter, R. 2021. *Bark Beetle Management, Ecology, and Climate Change*. Elsevier Inc. In preparation.

Refereed Papers

1. Schulz, A.N., Mech, A.M., Allen, C.R., Ayres, M.P., **Gandhi, K.J.K.**, Havill, N.P., Herms, D.A., Hoover, A.M., Hufbauer, R.A., Liebhold, A.M., Marsico, T.D. Raffa, K.F., Tobin, P.C., Uden, D.R., and Thomas, K.A. 2021. Predicting non-native insect impact: focusing on the trees to see the forest. Submitted.
2. †McNichol, B.H., Sullivan, B.T., †Munro, H.L., Montes, C.R., Nowak, J.T., Villari, C., and **Gandhi, K.J.K.** 2021. Phenotypic plasticity in an eruptive bark beetle and its value in predicting outbreaks. *Ecosphere*, <https://doi.org/10.1002/ecs2.3336>.
3. †Munro, H.L., Montes, C.R., Kinane, S., and **Gandhi, K.J.K.** 2020. Through space and time: predicting populations of an eruptive pest and predator. *Forest Ecology and Management*, <https://doi.org/10.1016/j.foreco.2020.118770>.
4. †Fortuin, C.C., McCarty, E., and **Gandhi, K.J.K.** 2020. Acute contact with imidacloprid in soil affects the nesting and survival success of a solitary wild bee, *Osmia lignaria* (Hymenoptera: Megachilidae). *Chemosphere*, <https://doi.org/10.1016/j.chemosphere.2020.128572>.
5. Vogt, J.T., **Gandhi, K.J.K.**, Olatinwo, R., Bragg, D., and Klepzig, K.D. 2020. Weather-related disturbance and forest insects and fungi in southern U.S. USDA Forest Service, Southern Research Station, General Technical Report, SRS-255. DOI: 10.2737/SRS-GTR-255.
6. †Munro, H.L., **Gandhi, K.J.K.**, †Barnes, B.F., Montes, C.R., Nowak, J.T., Shepherd, W.P., Villari, C., and Sullivan, B.T. 2020. Electrophysiological and behavioral responses of two bark beetles, *Dendroctonus frontalis* and *D. terebrans* (Coleoptera:

- Curculionidae), to odors of host pines (*Pinus* spp.). *Chemoecology*, <https://doi.org/10.1007/s00049-020-00311-7>.
7. Schulz, A.N., Mech, A.M., Allen, C.R., Ayres, M.P., **Gandhi**, K.J.K., Gurevitch, J., Havill, N.P., Herms, D.A., Hufbauer, R.A., Liebhold, A.M., Raffa, K.F., Raupp, M.J., Thomas, K.A., Tobin, P.C., and Marsico, T.D. 2020. Evaluating expert assessment of non-native insect impacts on North American conifers. *NeoBiota* 55:61-83.
 8. Bonello, P., Campbell, F., Cipollini, D., Conrad, A., Farinas, C., **Gandhi**, K.J.K., Hain, F., Parry, D., Schowalter, D., Villari, C., and Wallin, K. 2020. Invasive tree pests devastate ecosystems – time to fix a flawed response framework. *Frontiers in Forests and Global Change*, <https://doi.org/10.3389/ffgc.2020.00002>.
 9. †Silva, A.E., †Barnes, B.F., †Coyle, D.R., Abernethy, E.F., Turner, K.L., Rhodes, O.E., Beasley, J.C., and **Gandhi**, K.J.K. 2020. Effects of industrial disturbances on biodiversity of carrion-associated beetles. *Science of the Total Environment*, <https://doi.org/10.1016/j.scitotenv.2019.135158>.
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Outreach Papers

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1. Merkle, S., Koch, J., Tull, R., Carey, D., Montello, P., †Barnes, B.F., Herms, D., and **Gandhi**, K.J.K. 2020. A new hope: ash embryogenic research for creating emerald ash borer-resistant ash clones. Proceedings of the Research Forum on Invasive Species, Annapolis, Maryland, 2020, submitted.
2. †Munro, H.L., Montes, C.R., and **Gandhi**, K.J.K. 2020. Using environmental variables to predict southern pine beetle numbers. Proceedings of the Annual 2020 Warnell Graduate Student Symposium, Athens Georgia. 12-14 February 2020.
3. Bishop, C., **Gandhi**, K.J.K., Klepzig, K.D., and Villari, C. 2020. Effects of post-hurricane management practices on lower stem and root-feeding beetles and their fungal associates in longleaf pine forests. Proceedings of the Annual 2020 Warnell Graduate Student Symposium, Athens Georgia. 12-14 February 2020.
4. Parker, Z., Harding, S., **Gandhi**, K.J.K., and Villari, C. 2020. Characterizing the phenolic defense responses of loblolly pine (*Pinus taeda*) to root-infecting blue-stain fungi. Proceedings of the Annual 2020 Warnell Graduate Student Symposium, Athens Georgia. 12-14 February 2020.
5. Cassidy, V., Asaro, C., Dickens, D., **Gandhi**, K.J.K., and McCarty, E. 2020. Systemic insecticide suppression of the Nantucket pine tip moth in young loblolly pines. Proceedings of the Annual 2020 Warnell Graduate Student Symposium, Athens Georgia. 12-14 February 2020.
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- entire tree genus? Conference Proceedings of the International Union of Forest Research Organizations, Division 7- Forest Health, Working Unit 7.03.11: Tree Resistance to Insects Conference, Cortina D'amezzo, Italy, 30 Aug.-2 Sept. 2009. Pp. 22.
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B. PRESENTED PAPERS (presenters are underlined; § = international or national conferences; * = invited paper, † = lab personnel)

Oral Presentations

1. †Spinner, S., †Barnes, B.F., McCarty, E., and **Gandhi**, K.J.K. 2020. Responses of bark and woodboring beetles to severe wind-damage in southern pine stands. National

- Meeting of the Catastrophic Wind Disturbances in the Anthropocene: Patterns, Processes, and Ecosystem Management. Virtual, 30 Nov-1 Dec 2020.
2. Bishop, C., Kane, M., **Gandhi**, K.J.K., Klepzig, K.D., and Villari, C. 2020. Effects of post-hurricane management practices on lower stem and root-feeding beetles and their fungal associates in longleaf pine forests. National Meeting of the Catastrophic Wind Disturbances in the Anthropocene: Patterns, Processes, and Ecosystem Management. Virtual, 30 Nov-1 Dec 2020.
 3. [†]Gochmour, B.M., Sheehan, T., [†]Barnes, B.F., Klepzig, K.D., and **Gandhi**, K.J.K. 2020. Response of bark beetles and associates to wind disturbance and salvage operations following Hurricane Michael. National Meeting of the Catastrophic Wind Disturbances in the Anthropocene: Patterns, Processes, and Ecosystem Management. Virtual, 30 Nov-1 Dec 2020.
 4. De Soto, J., **Gandhi**, K.J., Klepzig, K.D., and Villari, C. 2020. Chemical ecology of loblolly pine (*Pinus taeda*) and the fungi associated with southern pine beetle (*Dendroctonus frontalis*). Georgia Association of Plant Pathologist Annual Meeting. 10 March 2020.
 5. [†]Munro, H.L., Montes, C.R., Kinane, S., and **Gandhi** K.J.K. 2020. Predicting numbers of an eruptive pine tree pest and its predator under changing climate conditions. Southern Pine Health Research Cooperative Annual Meeting, 26-27 October 2020.
 6. Bishop, C., **Gandhi**, K.J.K., Klepzig, K.D., and Villari, C. 2020. Effects of post-hurricane management practices on lower stem and root-feeding beetles and their fungal associates in longleaf pine forests. The Annual 2020 Warnell Graduate Student Symposium, Athens Georgia. 12-14 February 2020.
 7. Parker, Z., Harding, S., **Gandhi**, K.J.K., and Villari, C. 2020. Characterizing the phenolic defense responses of loblolly pine (*Pinus taeda*) to root-infecting blue-stain fungi. The Annual 2020 Warnell Graduate Student Symposium, Athens Georgia. 12-14 February 2020.
 8. Cassidy, V., Asaro, C., Dickens, D., **Gandhi**, K.J.K., and McCarty, E. 2020. Systemic insecticide suppression of the Nantucket pine tip moth in young loblolly pines. The Annual 2020 Warnell Graduate Student Symposium, Athens Georgia. 12-14 February 2020.
 9. Bonello, P., Campbell, F., Cipollini, D. Conrad, A., Farinas, C., **Gandhi**, K.J.K., Parry, D., Showalter, D., Villari, C., and Wallin, K. 2020. Invasive alien forest pathogens and pests devastate ecosystems and economies – Time to fix a flawed response framework. Plant Health 2020, American Phytopathological Society Annual Meeting, 13 Aug 2020.
 10. Lim-Hing, S., [†]Barnes, B., [†]Clarke, L., **Gandhi**, K.J.K., McCarty, E., Morris, L., and Villari, C. 2020. Effects of Mn deficiency on loblolly pine resistance – Updates. Southern Pine Health Research Cooperative Semi-annual Meeting, 23 April 2020.
 11. ^{*}**Gandhi**, K.J.K. 2020. Extent, severity, and contributors to the dieback of southern pine stands. Annual meeting of the Ecological Society of America. Virtual.
 12. **Gandhi**, K.J.K. 2020. Ecological and economic importance of catastrophic wind disturbance events. National Meeting of the Catastrophic Wind Disturbances in the Anthropocene: Patterns, Processes, and Ecosystem Management. Virtual, 30 Nov-1 Dec 2020.

13. Drake, J., **Gandhi**, K.J.K., Welch-Devine, M., Bledsoe, B., Shepherd, M., Seymour, L., and Marty, E. 2020. Disasters colliding: the epidemiology of severe weather events. National Meeting of the Catastrophic Wind Disturbances in the Anthropocene: Patterns, Processes, and Ecosystem Management. Virtual, 30 Nov-1 Dec 2020.
14. ***Gandhi**, K.J.K., †Barnes, B.F., and †Whitney, T.D. 2020. How to find scale insects on eastern white pine trees. Annual meeting of the Eastern White Pine Health Alliance. Virtual, 8 Dec 2020.
15. ***Gandhi**, K.J.K. 2020. Solving critical forest health issues in plantation forestry. Talk given to a private forest company. Virtual, 13 May 2020.
16. †**Munro**, H.L., Montes, C.R., and **Gandhi** K.J.K. 2020. Through space and time: Predicting numbers of an eruptive pine tree pest and its predator under changing climate conditions. Annual Convention of the Society of American Foresters. Virtual, 29-31 October 2020.
17. **Gandhi**, K.J.K., †McNichol, B.H., †Ritger, H.M.W., †Barnes, B.F., Boring, L.R., Brantley, S.T., Klepzig, K.D., Montes, C.R., Nowak, J.T., and Villari, C. 2020. Multi-faceted interactions between prescribe fire and bark beetles in loblolly and longleaf pine ecosystems. Annual Convention of the Society of American Foresters. Virtual, 29-31 October 2020.
18. **Schulz**, A.N., Mech, A.M., Ayres, M.P., **Gandhi**, K.J.K., Havill, N.P., Herms, D.A., Hoover, A., Liebhold, A.M., Marsico, T.D., Raffa, K.F., Thomas, K.A., Tobin, P.C., Uden, D.R., and Hufbauer R.A. 2020. Which factors drive impact of introduced insects feeding on North American conifers and woody angiosperms? The data speak. The 68th Annual Meeting of the Entomological Society of America. Virtual.
19. **Mech**, A.M., Thomas, K.A., Marsico, T.D., Herms, D.A., Allen, C.R., Ayres, M.P., **Gandhi**, K.J.K., Gurevitch, J., Havill, N.P., Hufbauer, R.A., Liebhold, A.M., Raffa, K.F., Schulz, A.N., Uden, D.R., and Tobin. P.C. 2020. How available data can be used to predict the impact of non-native forest insects. Annual Convention of the Society of American Foresters. Virtual, 29-31 October 2020.
20. **Thomas**, K.A., Mech, A.M., Tobin, P.C., Herms, D.A., Ayres, M.P., Havill, N.P., Allen, C.R., **Gandhi**, K.J.K., Gurevitch, J., Hoover, A., Hufbauer, R.A., Liebhold, A.M., Raffa, K.F., Schulz, A.N., Uden, D.R., and Marsico T.D. 2020. Predicting the impact of non-native insects on forest trees: the data speak. 2020 NAISMA Annual Conference. Virtual.
21. **Thomas**, K.A., Mech, A.M., Tobin, P.C., Herms, D.A., Ayres, M.P., Havill, N.P., Allen, C.R., **Gandhi**, K.J.K., Gurevitch, J., Hoover, A., Hufbauer, R.A., Liebhold, A.M., Raffa, K.F., Schulz, A.N., Uden, D.R., and Marsico T.D. 2020. Predicting the impact of non-native insects: the data speak. 105th Annual Ecological Society of America Meeting. Virtual.
22. **Klepzig**, K.D., and **Gandhi**, K.J.K. 2020. Will the spiral be unbroken? Progress and gaps in understanding forest declines. Annual Convention of the Society of American Foresters. Virtual, 29-31 October 2020.
23. †**Fortuin**, C.F., and **Gandhi**, K.J.K. 2019. Effects of imidacloprid soil drench applications on nesting blue orchard mason bees (*Osmia lignaria*). Annual Meeting of the Entomological Society of America. Missouri, 17-20 November 2019.
24. †**Munro**, H.L., Montes, C., and **Gandhi**, K.J.K. 2019. Effect of temperature and precipitation on the spatial risk of southern pine beetles in the southeastern United

- States. The 12th Southern Forestry and Natural Resources GIS Conference, Athens, Georgia.
25. [†]Munro, H.L., Montes, C., and **Gandhi**, K.J.K. 2019. Spatio-temporal effects of climate change on southern pine beetle. The International Union of Forest Research Organizations, World Congress, Curitiba, Brazil.
 26. [†]Munro, H.L., Montes, C., and **Gandhi**, K.J.K. 2019. Temperature-based model for predicting southern pine beetle numbers. The Southern Mensurationist Conference, Asheville, North Carolina.
 27. Buland, M., [†]Barnes, B., Klepzig, K., **Gandhi**, K.J.K., and Villari, C. 2019. Elucidating the phoretic fungal community of root-feeding beetles in the Georgia Piedmont. The 2019 Mycological Society of America Annual Meeting, Minneapolis, Minnesota.
 28. Parker, Z., Harding, S., **Gandhi**, K.J.K., and Villari, C. 2019. Loblolly pine (*Pinus taeda*) phenolic defense response to blue-stain fungi vectored by root-feeding beetles. The Southern Appalachian Forest Entomology and Pathology Seminar, Newland, North Carolina.
 29. Parker, Z., Harding, S., [†]Barnes, B., **Gandhi**, K.J.K., and Villari, C. 2019. Defense responses of loblolly pine phenolics to blue-stain fungi vectored by root-feeding beetles. The Warnell Graduate Student Symposium, Athens, Georgia.
 30. Buland, M., [†]Barnes, B., Klepzig, K., **Gandhi**, K.J.K., and Villari, C. 2019. Elucidating the phenology and associate fungal community composition of root-feeding beetles in the Georgia Piedmont. The Warnell Graduate Student Symposium, Athens, Georgia.
 31. Lim-Hing, S., [†]Barnes, B., [†]Clark, L., **Gandhi**, K., McCarty, E., Sutter, L., Morris, L., and Villari, C. 2019. Effects of Manganese deficiency on loblolly pine resistance. The Southern Pine Health Research Cooperative Semi-annual Meeting, Athens, Georgia.
 32. McCarty, E., Dickens, E., Clabo, D., Villari, C., and **Gandhi**, K.J.K. 2019. Pine tip moth: susceptibility of loblolly genetic lines. The Southern Pine Health Research Cooperative Semi-annual Meeting, Athens, Georgia.
 33. Buland, M., [†]Barnes, B., Klepzig, K., **Gandhi**, K.J.K., and Villari, C. 2019. Elucidating the phoretic blue-stain fungal community of root-feeding beetles in Georgia using a metabarcoding approach. The American-Phytopathological-Society, Plant Health Annual Meeting, Cleveland, Ohio.
 34. *^{§†}Barnes, B.F., [†]Whitney, T.D., Sullivan, B., and **Gandhi**, K.J.K. 2019. White Pine Bast Scale (*Matsucoccus macrocicatrices*). The NE 1601 Annual Meeting on eastern white pine health and management, Hadley, Massachusetts, 4-6 June 2019.
 35. [†]Munro, H.L., Sullivan, B.T., Barnes, B.F., Nowak, J.T., Shepherd, W.P., and **Gandhi**, K.J.K. 2019. Kairomonal activity of 4-allylanisole as a synergist for southern pine beetle. The 60th Annual Southern Forest Insect Work Conference, Savannah, Georgia, 23-26 July 2019.
 36. Parker, Z., Harding, S., **Gandhi**, K.J.K., and Villari, C. 2019. Induced defensive responses of loblolly pines (*Pinus taeda*) to root-infecting blue-stain fungi. The 60th Annual Southern Forest Insect Work Conference, Savannah, Georgia, 23-26 July 2019.
 37. *Klepzig, K., Sheehan, T., Gochnour, B., Bishop, C., Villari, C., and **Gandhi**, K.J.K. 2019. Hurricane Michael: Wind damage and forest health in a complex longleaf pine

- ecosystem. The 60th Annual Southern Forest Insect Work Conference, Savannah, Georgia, 23-26 July 2019.
38. * **Gandhi**, K.J.K., McNichol, B., Barnes, B., Nowak, J., Villari, C., and Montes, C. 2019. Interactions between southern *Ips* bark beetle outbreaks, prescribed fire, and loblolly pine (*Pinus taeda* L.) mortality. The 60th Annual Southern Forest Insect Work Conference, Savannah, Georgia, 23-26 July 2019.
 39. *McCarty, E., Dickens, D., Cassidy, V., Asaro, C., and **Gandhi**, K.J.K. 2019. Pine tip moth: Systemic insecticide suppression in South Georgia. The 60th Annual Southern Forest Insect Work Conference, Savannah, Georgia, 23-26 July 2019.
 40. †Munro, H.L., **Gandhi**, K.J.K., and Montes, C.R. 2019. Spatial-temporal effects of temperature on southern pine beetle (SPB) populations. The 2019 Plantation Management Research Cooperative Annual Meeting, 17-18 July 2019, Athens, Georgia.
 41. †Munro, H.L., **Gandhi**, K.J.K., and Montes, C.R. 2019. Modeling southern pine beetle abundance as a function of temperature. The 20th Biennial Southern Silvicultural Research Conference, Shreveport, Louisiana.
 194. Merkle, S., Koch, J., Tull, R., Carey, D., Montello, P., Barnes, B., Herms, D., and **Gandhi**, K.J.K. 2019. Combining breeding, somatic embryogenesis and cryostorage to create emerald ash borer-resistant ash varieties. The 35th Southern Forest Tree Improvement Conference, Lexington, Kentucky. 3-6 June 2019.
 42. ***Gandhi**, K.J.K. 2019. University of Georgia, Forest Entomology Program. University of Florida Forest Health Meeting, Gainesville, Florida, 20 Feb 2019.
 43. Cassidy, V., Asaro, C., Dickens, D., **Gandhi**, K.J.K., and McCarty, E. 2019. Suppression of the Nantucket pine tip moth on loblolly pine plantations. The Annual Warnell Graduate Student Symposium, University of Georgia, Athens, Georgia, 6-8 February 2019.
 44. †Munro, H.L., Sullivan, B.T., †Barnes, B.F., Montes, C., Nowak, J.T., Shepherd, W.P., Villari, C., and **Gandhi**, K.J.K. 2018. Semiochemical communication between sympatric southern pine beetle and black turpentine beetles in southern pine forests. The Warnell Graduate Student Symposium, Athens, Georgia, 31 Jan-2 Feb 2018.
 45. †Fortuin, C., and **Gandhi**, K.J.K. 2018. Wild bees in managed southeastern forests: effects of roads and clearcuts on native bee abundance. The Warnell Graduate Student Symposium, Athens, Georgia, 31 Jan-2 Feb 2018.
 46. §Cram, M.M., Lucas, S., †Schulz, A.N., and **Gandhi**, K.J.K. 2018. Pathogenicity of fungi isolated from cankers found on eastern white pine (*Pinus strobus* L.) saplings across the southeastern U.S. The 2018 USDA-AFRI-White Pine Health in Eastern Timberlands or WHIET Workshop & USDA-NIFA-Multistate White Pine Health Meeting, Athens, Georgia.
 47. §†Schulz, A., †Mech, A.M., Asaro, C., †Coyle, D.R., Cram, M.M., Lucardi, R.D., and **Gandhi**, K.J.K. 2018. What's been "bugging" the white pine? A quest to inspect the abiotic and biotic factors associated with *Pinus strobus* dieback in the southern Appalachian Mountains. The 2018 USDA-AFRI-White Pine Health in Eastern Timberlands or WHIET Workshop & USDA-NIFA-Multistate White Pine Health Meeting, Athens, Georgia.
 48. §†Whitney, T.D., Lucardi, R.D., and **Gandhi**, K.J.K. 2018. First glimpse into the continental-wide population structure and genetic diversity of the eastern white pine

- bast scale (*Matsucoccus macrocitrices* Richards). The 2018 USDA-AFRI-White Pine Health in Eastern Timberlands or WHIET Workshop & USDA-NIFA-Multistate White Pine Health Meeting, Athens, Georgia.
49. §Lucardi, R.D., †Whitney, T.D., and **Gandhi**, K.J.K. 2018. Biogeographical implications and anthropogenic impacts in the post-Columbian era on eastern white pine genetic diversity and resilience. The 2018 USDA-AFRI-White Pine Health in Eastern Timberlands or WHIET Workshop & USDA-NIFA-Multistate White Pine Health Meeting, Athens, Georgia.
 50. §Sullivan, B.T., Munro, H.L., and **Gandhi**, K.J.K. 2018. Managing the southern pine beetle with semiochemicals: past and present. Joint meeting of the Entomological Society of America, Entomological Society of Canada, and Entomological Society of British Columbia, 11-14 Nov. 2018, Vancouver, Canada.
 51. §†*Whitney, T.D., Lucardi, R., and **Gandhi**, K.J.K. 2018. Origins of an emergent forest health pest: Population genetic structure of the eastern white pinebast scale (*Matsucoccus macrocitrices*). Joint meeting of the Entomological Society of America, Entomological Society of Canada, and Entomological Society of British Columbia, 11-14 Nov. 2018, Vancouver, Canada.
 52. §†Munro, H.L., Sullivan, B.T., †Barnes, B.F., Montes, C., Nowak, J.T., Villari, C., and **Gandhi**, K.J.K. 2018. *Exo*-brevicommin as a synergist for southern pine beetle pheromone in southeastern United States. Joint meeting of the Entomological Society of America, Entomological Society of Canada, and Entomological Society of British Columbia, 11-14 Nov. 2018, Vancouver, Canada.
 53. §Brantley, S.T., Flatley, W.T., Fornwalt, P.J., **Gandhi**, K.J.K., and Bigelow, S.W. 2018. Frequent-fire conifer forests of North America: Understanding trade-offs between water yield and carbon sequestration. 5th IUFRO Conference on Forests and Water in a Changing Environment. Valdivia, Chile. November 5–9, 2018.
 54. *§**Gandhi**, K.J.K. 2018. Creating a diverse forest entomology program. Joint meeting of the Entomological Society of America, Entomological Society of Canada, and Entomological Society of British Columbia, Vancouver, Canada, 11-14 Nov. 2018.
 55. ***Gandhi**, K.J.K. 2018. Solving the current and emerging forest health issues in the southern U.S. Department of Entomology, University of Georgia, 27 August 2018.
 56. †*Munro, H.L., Sullivan, B.T., †Barnes, B.F., Montes, C., Nowak, J.T., Shepherd, W.P., Villari, C., and **Gandhi**, K.J.K. 2018. Electrophysiological and behavioral response of black turpentine beetle and southern pine beetle to resin constituents in southern pine forests. Annual Meeting of the Southern Forest Insect Work Conference, San Antonio, Texas, 17-20 July 2018.
 57. †*McNichol, B., Sullivan, B.T., Nowak, J.T., †Barnes, B.F., Villari, C., and **Gandhi**, K.J.K. 2018. Characterizing phenotypic differences between outbreak and non-outbreak phases of southern pine beetle populations. Annual Meeting of the Southern Forest Insect Work Conference, San Antonio, Texas, 17-20 July 2018.
 58. †Ritger, H.M.W., Brantley, S.T., O'Brien, J.J., Klepzig, K.D., Moore, C.T., Boring, L.R., and **Gandhi**, K.J.K. 2018. Effects of fire exclusion and fire reintroduction on bark beetles and tree defenses in longleaf pine. Annual Meeting of the Southern Forest Insect Work Conference, San Antonio, Texas, 17-20 July 2018.
 59. †Whitney, T.D., Lucardi, R., and **Gandhi**, K.J.K. 2018. Origins of an emergent forest health pest: Population genetic structure of the eastern white pine bast scale

- (*Matsucoccus macrocitrices*). Annual Meeting of the Southern Forest Insect Work Conference, San Antonio, Texas, 17-20 July 2018.
60. †Munro, H.L., Sullivan, B.T., †Barnes, B.F., Montes, C., Nowak, J.T., Villari, C., and **Gandhi**, K.J.K. 2018. *Exo-brevicommin* as a synergist for southern pine beetle pheromone in southeastern United States. Annual Meeting of the Southern Forest Insect Work Conference, San Antonio, Texas, 17-20 July 2018.
 61. ***Gandhi**, K.J.K. 2018. Insect effects on forest health. Annual Meeting of the Southern Forest Insect Work Conference, San Antonio, Texas, 17-20 July 2018.
 62. ***Gandhi**, K.J.K., Bolton, N., Martin, J., Fortuin, C., Wigley, B., and Verschuyt. Habitat for pollinators in working forests. Annual Meeting of NCASI, Atlanta, Georgia, 5 June 2018.
 63. *§Mech, A., Herms, D.A., Marsico, T., Thomas, K., Tobin, P., Allen, C.R., Ayres, M., **Gandhi**, K.J.K., Gurevitch, J., Havill, N., Hufbauer, R., Liebhold, A., Raffa, K., Schulz, A., and Uden, D. 2018. Predicting the impacts of non-native specialist insects. XXIX USDA Interagency Research Forum on Invasive Species, Annapolis, MD, 9-12 January 2018.
 64. Buland, M., Barnes, B., Klepzig, K., **Gandhi**, K., and Villari, C. 2018. Species composition of *Leptographium* and *Grosmannia* blue-stain fungi in loblolly pine stands in Georgia The Warnell Graduate Student Symposium, Athens, Georgia, 31 Jan.-2 Feb. 2018.
 65. Buland, M., Barnes, B., Klepzig, K., **Gandhi**, K., and Villari, C. 2018. Species composition of *Leptographium* and *Grosmannia* blue-stain fungi in Georgia loblolly pine stands. In Southern Appalachian Forest Entomology and Pathology Seminar.
 66. §Liebhold, A., Mech, A., Tobin, P., Marsico, T., Thomas, K., Herms, D., Allen, C., Ayres, M., **Gandhi**, K., Gurevitch, J., Havill, N., Hoover, A., Hufbauer, R., Raffa, K., Raupp, M., Schulz, A., Uden, D. 2017. Predicting the impact of non-Native specialist insects feeding on North American host plants. COST Action FP1401 - A global network of nurseries as early warning system against alien tree pests - Working Group and Management Committee Meeting, Offenburg, Germany, September 2017.
 67. *Mech, A., Tobin, P., Marsico, T., Thomas, K., Herms, D., Allen, C., Ayres, M., **Gandhi**, K.J.K., Gurevitch, J., Havill, N., Hoover, A., Hufbauer, R., Liebhold, A., Raffa, K., Raupp, M., Schulz, A., Uden, D. 2017. Predicting the next high-impact insect invasion. John Wesley Powell Center for Analysis and Synthesis Seminar Series, Fort Collins, Colorado, August 2017.
 68. §Mech, A.M., Marsico, T.D., Thomas, K.A., Herms, D.A., Tobin, P.C., Allen, C., Ayres, M., **Gandhi**, K.J.K., Gurevitch, J., Havill, N., Hoover, A., Hufbauer, R., Liebhold, A., Raffa, K., Raupp, M., Schulz, A., Uden, D. 2017. Predicting the impact of non-native specialist insects feeding on North American host plants. Ecological Society of America. Portland, Oregon, 6-11 August 2017.
 69. §Thomas, K.A., Mech, A., Herms, D.A., Tobin, P., Marsico, T., Allen, C., Ayres, M., **Gandhi**, K.J.K., Gurevitch, J., Havill, N., Hoover, A., Hufbauer, R., Liebhold, A., Raffa, K., Raupp, M., Schulz, A., Uden, D. 2017. Establishing traits that may determine the impacts of introduced herbivorous insects on North American conifers. 2017. Entomological Society of America, Pacific Branch, Portland, Oregon, 2-5 April 2017.

70. *§**Gandhi**, K.J.K. 2017. Resilience of eastern conifer trees to native and non-native insects under climatic changes. The Annual Meeting of the Society of American Foresters, Albuquerque, New Mexico, 14-16 Nov 2017.
71. **Gandhi**, K.J.K. 2017. Linking organismal, population and community insect ecology for sustainable forestry. Building resilient and healthy sustainable southern forests, Warnell Forest Health Meeting, Athens, Georgia, 1-2 Nov. 2017
72. *§**Gandhi**, K.J.K. 2017. Invasion patterns and ecological impacts of an exotic herbivore in North America. The 125th Anniversary of International Union of Forestry Organizations (IUFRO), Freiburg, Germany, 18-22 Sept. 2017.
73. *†**McNichol**, B., Sullivan, B., Nowak, J., †Barnes, B., Villari, C., and **Gandhi**, K.J.K. 2017. Quantifying phenotypic variability in southern pine beetle populations. The 2017 Southern Forest Insect Work Conference, Melbourne, Florida, 24-28 July 2017.
74. †**Fortuin**, C., †Botsch, B., Benton, E., Delaplane, K., Brosi, B., and **Gandhi**, K.J.K. 2017. Wild bees in managed southeastern forests: effects of roads and clearcuts on native bee abundance. The 2017 Southern Forest Insect Work Conference, Melbourne, Florida, 24-28 July 2017.
75. †**Whitney**, T.D., †Barnes, B., Cram, M.M., Lucardi, R.D., and **Gandhi**, K.J.K. 2017. Patterns of bark scale and pathogen colonization mirror patterns of eastern white pine dieback. The 2017 Southern Forest Insect Work Conference, Melbourne, Florida, 24-28 July 2017.
76. ***Gandhi**, K.J.K. 2017. Forest health issues affecting loblolly pines. Warnell School, Plantation Management Research Cooperative (PMRC) Meeting, Athens, Georgia, 19 July 2017.
77. *§**Gandhi**, K.J.K. 2017. Interactions between pine health and forest management practices: examples from the southeastern U.S. The 28th Annual Meeting of the Tree Protection Cooperative Programme (TPCP) and of the DST/NRF Centre of Excellence in Tree Health Biotechnology, Pretoria, South Africa. 15-17 May 2017.
78. *†**Whitney**, T.D., Costanza, K.L.K., Livingston, W.H., and **Gandhi**, K.J.K. 2017. Current health status of *Pinus strobus* (Eastern white pine) across eastern North America. Annual meeting of the Northeastern Forest Pest Council, Bangor, Maine, 8-10 March 2017.
79. ***Gandhi**, K.J.K. 2017. What's "bugging" our pine forests? Georgia Chapter of the Society of American Foresters, Athens, Georgia, 28 March 2017.
80. †**McNichol**, B., Sullivan, B., Nowak, J.T., Villari, C., and **Gandhi**, K.J.K. 2017. Phenotypic variation in southern pine beetle. The 26th Annual Southern Appalachian Forest Entomologist/Pathologist Seminar (SAFEPS), Crossnore, North Carolina, 2-3 March 2017.
81. †**McNichol**, B., Sullivan, B., Nowak, J.T., Villari, C., and **Gandhi**, K.J.K. 2017. Improving the prediction and monitoring of population levels of southern pine beetle. The 2017 Annual Warnell Graduate Student Symposium, Athens, Georgia, 9-10 February 2017.
82. †**Ritger**, H., Boring, L., O'Brien, J., Brantley, and **Gandhi**, K.J.K. 2017. Effects of fire regime on subcortical insects, tree physiology, and their interactions in longleaf pine (*Pinus palustris*). The 2017 Annual Warnell Graduate Student Symposium, Athens, Georgia, 9-10 February 2017.

83. Barnes, B., Coyle, D., Green, G., Helbig, C., Klepzig, K., Koch, F.H., Morris, L., Nowak, J.T., Otrrosina, W., Smith, W., and **Gandhi**, K.J.K. 2017. Interactions between abiotic and biotic factors affecting southern pine health. In The 26th Annual Southern Appalachian Forest Entomologist/Pathologist Seminar (SAFEPS), Crossnore, North Carolina, 2-3 March 2017
84. *§**Gandhi**, K.J.K. 2016. Frequent fire ecosystems: faunal management and conservation. IUFRO Regional Congress for Asia and Oceania, Beijing, China, 23-28 October 2016.
85. §†Helbig, C.E., †Coyle, D.R., Klepzig, K.D., Nowak, J.T., and **Gandhi**, K.J.K. 2016. Attraction of bark and woodboring insects to loblolly pines as based on tree health. The 2016 XXV International Congress of Entomology, Orlando, Florida, 25-30 September 2016.
86. §**Gandhi**, K.J.K., †Staebe, J.C., Miller, D.R., and Nowak, J.T. 2016. Multi-trophic interactions within the pine beetle guild in the southern U.S. The 2016 XXV International Congress of Entomology, Orlando, Florida, 25-30 September 2016.
87. §†Whitney, T.D., **Gandhi**, K.J.K., Barnes, B., Cram, M., Aghdasi, A., and †Yao, J. 2016. Scale insect and pathogen colonization patterns on ailing white pine. The 2016 XXV International Congress of Entomology, Orlando, Florida, 25-30 September 2016.
88. †Whitney, T.D., Cram, M., Lucardi, R.D., and Gandhi, K.J.K. 2016. Range-wide dieback of eastern white pine: overview, likely drivers, and future work. Annual North Central Forest Pest Workshop, Gaylord, Michigan, 19-22 September 2016.
89. Mech, A.M., Tobin, P.T., Marsico, T.D., Thomas, K.A., Herms, D.A., Allen, C.R., Ayres, M.P., **Gandhi**, K.J.K., Gurevitch, J., Havill, N., Hufbauer, R., Liebhold, A., Raffa, K., Raupp, M., and Schulz, A. 2016. Looking for black and white in the grey: Variation in invasion success and management challenges in a global community. The 2016 XXV International Congress of Entomology, Orlando, Florida, 25-30 September 2016.
90. *§Klepzig, K.D., **Gandhi**, K.J.K., and Hulcr, J. 2016. New to science vs. new to the neighborhood: insect-fungal invasive complexes. IUFRO Conference, Morgantown, West Virginia, July 2016.
91. *Barnes, B., †Coyle, D.R., Green, G., †Helbig, C., Klepzig, K.D., Koch, F.H., Morris, L., Nowak, J.T., Otrrosina, W.J., Smith, W.D., and **Gandhi**, K.J.K. 2016. Interactions between abiotic and biotic factors affecting southern pine health. Annual Meeting of the Georgia Forestry Association, Jekyll Island, Georgia, 24-25 July 2016.
92. *§**Gandhi**, K.J.K. 2016. Integrated pest management of southern pine beetle. ORISA, Tegucigalpa, Honduras, 24-25 May 2016.
93. Klooster, W.S., Goebel, P.C., Herms, C.P., McCullough, D.G., Smith, A., **Gandhi**, K.J.K., Hartzler, D., Knight, K.S., Cardina, J., and Herms D.A. 2016. Forest responses following emerald ash borer (*Agilus planipennis*) induced ash mortality in southeastern Michigan. North American Forest Insect Work Conference, Washington DC, 31 May-3 June.
94. §Poythress, J.C., Affolter, J., and **Gandhi**, K.J.K. 2016. Effects of wild and cultivars native plants on hemipteran biodiversity. North American Forest Insect Work Conference, Washington DC, 31 May-3 June 2016.

95. §Coulson, R.N., **Gandhi**, K.J.K., and Riggins, J.J. 2016. Teaching forest protection – what is relevant: conclusions from the SFIWC Workshop. North American Forest Insect Work Conference, Washington DC, 31 May-3 June 2016, pp. 38-39.
96. §**Gandhi**, K.J.K., and Coulson, R. 2016. Stepping inside-outside the forest health curriculum innovation box. North American Forest Insect Work Conference, Washington DC, 31 May-3 June 2016.
97. *§[†]Whitney, T.D., Lucardi, R.D., and **Gandhi**, K.J.K. 2016. Range-wide dieback of eastern white pine: overview, likely drivers, and future work. Annual Meeting of the Northeastern Forest Pest Council, Kingston, Ontario, Canada, 8-10 March 2016.
98. ***Gandhi**, K.J.K., [†]Coyle, D.R., Barnes, B., [†]Helbig, C., Klepzig, K.D., Koch, F.H., Morris, L., Nowak, J.T., Otrrosina, W.J., and Smith, W.D. 2016. Are we managing southern pine forests for resilience to abiotic and biotic impacts? Annual Meeting of the Entomological Society of America, Southeastern Branch, Raleigh, North Carolina, 14-15 March 2016.
99. [†]Whitney, T.D., Barnes, B., Aghdasi, A., [†]Yao, J., Cram, M. and **Gandhi**, K.J.K. 2016. Patterns of scale insect and pathogen incidence on Chattahoochee white pines. Annual Warnell Graduate Student Symposium, University of Georgia, Athens, Georgia, 20-22 January 2016.
100. [†]Fortuin, C., Wigley, B.T., Martin, J.A., and **Gandhi**, K.J.K. 2016. Interactions between pollinator communities and forest management practices in the southeastern U.S. Annual Warnell Graduate Student Symposium, University of Georgia, Athens, Georgia, 20-22 January 2016.
101. [†]Barnes, B.F., [†]Coyle, D.R., Klepzig, K.D., Nowak, J.T., [†]Helbig, C., Smith, W.D., Koch, F.H., Otrrosina, and **Gandhi**, K.J.K. 2015. Interactions between rhizophagous beetles and abiotic factors affecting southern pine health. Annual Meeting of the Georgia Entomological Society, Jekyll Island, Georgia, 9-10 April 2015.
102. §Brantley, S.T., Flatley, W.T., **Gandhi**, K.J.K., and Fornwalt, P.J. 2015. Water yield tradeoffs of promoting carbon sequestration in frequent-fire forest ecosystems of the southeastern United States. The 6th International Fire Ecology and Management Congress, San Antonio, Texas, 16-20, November 2015.
103. [†]Coyle, D.R., Barnes, B.F., Green, G., Klepzig, K.D., Nowak, J., and **Gandhi**, K.J.K. 2015. Regional relevance of southern pine decline and its impact on landowner knowledge and attitudes. Annual Meeting of the Southern Forest Insect Work Conference, Fayetteville, Arkansas, 21-24 July 2015.
104. *[†]Coyle, D.R., [†]Barnes, B.F., [†]Helbig, C., Klepzig, K.D., Koch, F.H., Morris, L., Nowak, J.T., Otrrosina, W., Smith, W., and **Gandhi**, K.J.K. 2015. The role of abiotic and biotic factors, particularly rhizophagous weevils, in southern pine health. Western Forest Insect Work Conference, Santa Fe, New Mexico, 30 March-2 April 2015.
105. §Flatley, W.T., Brantley, S.T., **Gandhi**, K.J.K., Fornwalt, P.J., and Jack, S.B. 2015. Does fire suppression alter ecosystem services provided by frequent fire conifer forests across North America? The 6th International Fire Ecology and Management Congress, San Antonio, Texas, 16-20, November 2015.
106. §Flatley, W.T., Brantley, S.T., **Gandhi**, K.J.K., Fornwalt, P.J., and Jack, S.B. 2015. Does fire suppression alter ecosystem services provided by frequent fire conifer forests across North America? Annual Meeting of the Society of American Foresters, Baton Rouge, Louisiana, 3-7 November 2015.

107. ***Gandhi**, K.J.K. 2015. Linking community, ecosystem, and organismal insect ecology for sustainable forestry. Department of Entomology Seminar Series, Texas A&M, College Station, Texas, 5 February 2015.
108. ***Gandhi**, K.J.K. 2015. Emerald ash borer: life-stages, signs & symptoms, and management. Wintergreen 2015 Tradeshow and Conference, Duluth, Georgia, 21-23 January 2015.
109. ***Gandhi**, K.J.K. 2015. Responses of saproxylic insects to forest fires in North America. Frequent Fire Ecosystem Conference, Joseph Jones Ecological Research Center, Newton, Georgia, 7-9 January 2015.
110. ***Gandhi**, K.J.K. 2015. Unraveling of forest processes due to invasion by exotic emerald ash borer. Seminar Series, Department of Biological Sciences, Arkansas State University, Jonesboro, Arkansas, 2 September 2015.
111. ***Gandhi**, K.J.K. 2015. Pitch canker in the southeastern U.S. Forest Industry Productivity Meeting, Fargo, Georgia, 19-20 August 2015.
112. ***Gandhi**, K.J.K. 2015. Insect pests of trees. Green Industry Update, Cobb County Extension, University of Georgia, 19 May 2015.
113. ***Gandhi**, K.J.K. 2015. Being a female professor in academia. Annual Meeting of the Southern Forest Insect Work Conference, Fayetteville, 21-24 July 2015.
114. ***Gandhi**, K.J.K., †Coyle, D.R., †Barnes, B., †Helbig, C., Green, G., Klepzig, K.D., Koch, F.H., Morris, L., Nowak, J.T., Otrrosina, W.J., and Smith, W.D. 2015. Elucidating interactions between abiotic and biotic factors affecting southern pine health. Annual Meeting of the Society of American Foresters, Baton Rouge, Louisiana, 3-7 November 2015.
115. §**Gandhi**, K.J.K., †Coyle, D.R., †Barnes, B., †Helbig, C., Green, G., Klepzig, K.D., Koch, F.H., Morris, L., Nowak, J.T., Otrrosina, W.J., and Smith, W.D. 2015. Elucidating interactions between abiotic and biotic factors affecting southern pine health. Annual Meeting of the Entomological Society of America, Minneapolis, Minnesota, 15-18 November 2015.
116. ***Gandhi**, K.J.K., †Coyle, D.R., †Barnes, B., †Helbig, C., Green, G., Klepzig, K.D., Koch, F.H., Morris, L., Nowak, J.T., Otrrosina, W.J., and Smith, W.D. 2015. An update on loblolly pine health issues in the Southeast. Forest Insight Conference, Valdosta, Georgia, 27-29 October 2015.
117. ***Gandhi**, K.J.K., †Coyle, D.R., Klepzig, K.D., Nowak, J.T., †Barnes, B., †Helbig, C., Smith, W.D., Koch, F.H., and Otrrosina, W.J. 2015. Pine health issues in the Southeast. Forest Industry Productivity Meeting, Fargo, Georgia, 19-20 August 2015.
118. **Gandhi**, K.J.K., †Barnes, B.F., †Bookwalter, J., Chase, K., †Robertson, D., Asaro, C., Meeker, J.R., Miller, D., Riggins, J., Shepherd, W., and Sullivan, B. 2015. Community, population, and chemical ecology of *Sirex* and their parasitoids in the Southeast. Annual Meeting of the Southern Forest Insect Work Conference, Fayetteville, 21-24 July 2015.
119. †**Mech**, A.M., Rhea, J.R., and **Gandhi**, K.J.K. 2015. Status of hemlock, HWA, and biological control in Georgia. Southern Appalachian Forest Entomology/Pathology Seminar (SAFEPS). Crossnore, 11-12 March 2015.
120. †**Schulz**, A.N., Asaro, C., †Coyle, D.R., Cram, M.M., Lucardi, R.D., †**Mech**, A.M., and **Gandhi** K.J.K. 2015. An update on the range of *Matsucoccus macrocitrices* and

- dieback of the woody “weed” of the East. Southern Appalachian Forest Entomology/Pathology Seminar (SAFEPS). Crossnore, 11-12 March 2015.
121. †Schulz, A.N., Asaro, C., †Coyle, D.R., Cram, M., Lucardi, R., †Mech, A.M., and **Gandhi**, K.J.K. 2015. Determining the distribution of *Matsucoccus macrocicatrices* in white pine forests of the southern Appalachian Mountains. Warnell Graduate Student Symposium, University of Georgia, Athens, 18-20 February 2015.
 122. †Silva, A., †Coyle, D.R., Abernethy, E., Turner, K., Rhodes, G., Beasley, J., and **Gandhi**, K.J.K. 2015. Death and destruction: effects of pollution on carrion beetles. Annual Meeting of the Georgia Entomological Society, Jekyll Island, 9-10 April 2015.
 123. †Whitney, T.D., †Schulz, A., Asaro, C., †Coyle, D.R., Cram, M.M., †Mech, A.M., Lucardi, R.D., and **Gandhi**, K.J.K. 2015. Linkages between a scale insect and eastern white pine dieback: overview and future directions. Annual Meeting of the Southern Forest Insect Work Conference, Fayetteville, 21-24 July 2015.
 124. †Whitney, T.D., **Gandhi**, K.J.K., and Lucardi, R.D. 2015. Genetic characterization of the coevolution between *Pinus strobus* and an associated insect herbivore. Warnell Graduate Student Symposium, University of Georgia, Athens, 18-20 February 2015.
 125. †Brissey, C.L., **Gandhi**, K.J.K., and Boring, L.R. 2014. Impacts of fire on bark beetle assemblages in longleaf (*Pinus palustris*) of Southwest Georgia. Annual Meeting of the Georgia Entomological Society, Valdosta, Georgia, 9-11 April 2014.
 126. †Brissey, C.L., Boring, L.R., and **Gandhi**, K.J.K. 2014. Effects of basal area on bark beetle assemblages in *Pinus palustris* of Southwest Georgia. Annual Warnell Graduate Student Symposium, Athens, Georgia, 19-20 Feb. 2014.
 127. †Brissey, C.L., †Coyle, D.R., †Mech, A.M., and **Gandhi**, K.J.K. 2014. Differences in lure preference among bark beetle assemblages along Raper Creek, Georgia. Southern Appalachian Forest Entomology/Pathology Seminar (SAFEPS), Crossnore, North Carolina, 6-7 March 2014.
 128. †Coyle, D.R., Klepzig, K.D., Nowak, J.T., †Barnes, B., †Helbig, C., Smith, W.D., Koch, F.H., Otrrosina, W.J., Bates, C., Cameron, S., and **Gandhi**, K.J.K. 2014. Abiotic and biotic factors influencing pine health in Georgia and Alabama. 2014 IUFRO World Congress, Salt Lake City. 5-11 Oct. 2014.
 129. †Coyle, D.R., Klepzig, K.D., Nowak, J.T., †Barnes, B., †Helbig, C., Koch, F.H., Morris, L.A., Smith, W.D., Otrrosina, W.J., and **Gandhi**, K.J.K. 2014. Abiotic and biotic factors influencing southern pine health in Georgia and Alabama: a holistic perspective. Southern Research Station Stateline Meeting for Georgia, Alabama, Florida, Tallahassee, Florida, 29-30 September, 2014.
 130. †Coyle, D.R., Klepzig, K.D., Nowak, J.T., †Barnes, B., †Helbig, C., Koch, F.H., Morris, L.A., Smith, W.D., Otrrosina, W.J., and **Gandhi**, K.J.K. 2014. Abiotic and biotic factors influencing southern pine health in Georgia and Alabama: a holistic perspective. The 56th Annual Southern Forest Insect Work Conference, Charleston, South Carolina, 22-25 July 2014.
 131. †Coyle, D.R., Loudermilk, E.L., Rabaglia, R.J., and **Gandhi**, K.J.K. 2014. Impact of exotic species on community diversity: is there an ecological tipping point? The 56th Annual Southern Forest Insect Work Conference, Charleston, South Carolina, 22-25 July 2014.

132. *Eickwort, J., and **Gandhi**, K.J.K. 2014. Management of pine bark beetles in the southeastern U.S. Bark Beetle Academy Workshop, Gainesville, Florida 8-10 May 2014.
133. *§**Gandhi**, K.J.K. 2014. Spatial and temporal patterns of responses of saproxylic insects to forest fires in North America. The Xth European Congress of Entomology Meeting, York, United Kingdom, 3-9 August 2014.
134. ***Gandhi**, K.J.K. 2014. A bug's eye view of pine health issues in the southeastern U.S. Warnell School of Forestry and Natural Resources Seminar Series, University of Georgia, Athens, Georgia, 20 March 2014.
135. ***Gandhi**, K.J.K. 2014. Ecology and management of *Sirex noctilio* in non-native pine forests. Annual Meeting of the Georgia Entomological Society, Valdosta, Georgia 9-11 April 2014.
136. ***Gandhi**, K.J.K., Coyle, D.R., †Barnes, B., †Helbig, C., Klepzig, K., Koch, F., Morris, L., Nowak, J., Otrrosina, W., and Smith, W. 2014. A holistic perspective of pine health issues in the southeastern U.S. Georgia Division Society of American Foresters Annual Meeting, Tifton, 20-21 Oct. 2014.
137. *§**Gandhi**, K.J.K., Smith A., and Herms, D.A. 2014. Unraveling the ecological impacts of emerald ash borer-induced ash dieback in eastern forests. Annual Meeting of the Entomological Society of America, Portland, Oregon, 15-19 Nov. 2014.
138. *§**Gandhi**, K.J.K., Baker, S., Bonham, K., Palik, B., and Kern, C. 2014. Harvest residuals as repositories of biodiversity. Annual Meeting of the Entomological Society of America, Portland, Oregon, 15-19 Nov. 2014.
139. ***Gandhi**, K.J.K., Coyle, D.R., †Barnes, B., †Helbig, C., Klepzig, K., Koch, F., Morris, L., Nowak, J., Otrrosina, W., and Smith, W. 2014. An assessment of pine health issues in the South. Presentation to a forest industry meeting, August 2014. Presented by Mike Kane, UGA.
140. ***Gandhi**, K.J.K., †Coyle, D.R., Klepzig, K., Koch, F., Morris, L., Nowak, J., Otrrosina, W., and Smith, W. 2014. Pine health issues in the South with management implications. Annual Forest Health Monitoring Meeting, Jacksonville Florida, 24-26 March 2014.
141. †Helbig, C.E., †Coyle, D.R., Klepzig, K.D., Nowak, J.T., and **Gandhi**, K.J.K. 2014. Rhizophagous weevils- primary or secondary pests on loblolly pines? The 56th Annual Southern Forest Insect Work Conference, Charleston, South Carolina, 22-25 July 2014.
142. Helbig, C., Coyle, D.R., and Gandhi, K.J.K. 2014. Do root-feeding weevils attack healthy loblolly pine? Southern Appalachian Forest Entomology/Pathology Seminar (SAFEPS), Crossnore, North Carolina, 6-7 March 2014.
143. *Hoebeke, R., and **Gandhi**, K.J.K. 2014. The other ("non-Scolytine") wood-boring pests of trees and shrubs. Bark Beetle Academy Workshop, Gainesville, Florida, 8-10 May 2014.
144. Klooster Bethel, W.S., Herms, D.A., Knight, K.S., Herms, C.P., McCullough, D.G., Smith, A., **Gandhi**, K.J.K., Hartzler, D., and Cardina, J. 2014. Impacts of emerald ash borer on native and invasive pennlant communities. Entomological Society of America Annual Meeting, Portland, Oregon, 16-19 Nov. 2014.
145. Klooster Bethel, W.S., Herms, D.A., Knight, K.S., Herms, C.P., McCullough, D.G., Smith, A., **Gandhi**, K.J.K., Hartzler, D., and Cardina, J. 2014. Impacts of emerald ash

- borer on native and invasive plant communities. 2014 Emerald Ash Borer Research and Technology Development Meeting, Wooster, Ohio, 15-16 Oct. 2014.
146. Knight, K.S., Ford, R.A., Herms, D.A., Flower, C.E., **Gandhi**, K.J.K., Hartzler, D., Hoven, B.M., Klooster Bethel, W., Long, R.A., and Smith, A. 2014. Ash decline and mortality, tree fall, and EAB population dynamics at forest stand and landscape scales 2004-2014. 2014 Emerald Ash Borer Research and Technology Development Meeting, Wooster, Ohio, 15-16 Oct. 2014.
 147. *[†]Mech, A.M., Tobin, P., Teskey, R., Rhea, R., and **Gandhi**, K.J.K. 2014. Influence of increasing summer temperatures on range dynamics of an invasive forest pest and its host tree. 2014 IUFRO World Congress, 5-11 Oct. 2014.
 148. [†]Mech, A.M., Tobin, P.C., Teskey, R.O., Rhea, J.R., and **Gandhi**, K.J.K. 2014. Georgia summer temperatures: a natural enemy of the exotic hemlock woolly adelgid. Annual Warnell Graduate Student Symposium, Athens, Georgia, 19-20 Feb. 2014.
 149. [†]Mech, A.M., Tobin, P.C., Teskey, R.O., Rhea, J.R., and **Gandhi**, K.J.K. 2014. Georgia summer temperatures: a natural enemy of the exotic hemlock woolly adelgid. Southern Appalachian Forest Entomology/Pathology Seminar (SAFEPS), Crossnore, North Carolina, 6-7 March 2014.
 150. [†]Schulz, A.N., Asaro, C., [†]Coyle, D.R., Cram, M.M., Lucardi, R., [†]Mech, A.M., and **Gandhi**, K.J.K. 2014. Severity and extent of white pine dieback in the Chattahoochee National Forest in Georgia. The 56th Annual Southern Forest Insect Work Conference, Charleston, South Carolina, 22-25 July 2014.
 151. [†]Schulz, A.N., Asaro, C., [†]Coyle, D.R., Cram, M.M., Lucardi, R., [†]Mech, A.M., and **Gandhi**, K.J.K. 2014. Mapping the distribution of a potentially new tiny terror in southern white pine forests. Annual Meeting of the Entomological Society of America, Portland, Oregon, 15-19 Nov. 2014.
 152. [†]Schulz, A.N., Lucardi, R., Nibbelink, N., and **Gandhi**, K.J.K. 2014. Assessing the distribution of eastern white pine (*Pinus strobus*) dieback in the southern Appalachian Mountains. Southeastern Ecology and Evolution Conference (SEEC), Statesboro, Georgia, 14-16 March 2014.
 153. [†]Schulz, A.N., [†]Mech, A.M., [†]Coyle, D.R., Asaro, C., Cram, M.M., Lucardi, R., and **Gandhi**, K.J.K. 2014. Patterns and causes of white pine dieback in the southern Appalachian Mountains. Southern Appalachian Forest Entomology/Pathology Seminar (SAFEPS); Crossnore, North Carolina, 6-7 March 2014.
 154. [†]Schulz, A., [†]Mech, A.M., [†]Coyle, D.R., Asaro, C., Cram, M.M., Lucardi, R., and **Gandhi**, K.J.K. 2014. Monitoring eastern white pine (*Pinus strobus*) dieback in the southern Appalachian Mountains. Annual Warnell Graduate Student Symposium, Athens, Georgia, 19-20 Feb. 2014.
 155. *[§]**Gandhi**, K.J.K. 2013. Multi-year patterns and ecological impacts of ash mortality in northern hardwood forests. Annual Meeting of the Entomological Society of Canada, Guelph, Ontario, Canada, 20-23 Oct. 2013.
 156. *[§]**Gandhi**, K.J.K., [†]Coyle, D.R., Klepzig, K., Koch, F., Morris, L., Nowak, J., Otrosina, W., and Smith, W. 2013. Pine health issues in the South with management implications. Annual Meeting of the Society of American Foresters, Charleston, South Carolina, 23-27 Oct. 2013.

157. §**Gandhi**, K.J.K., †Robertson, D., Sullivan, B., Meeker, J., Johnson, W., and Shepherd, W. 2013. Chemical and nutritional ecology of parasitoids of siricid wasps. The *Sirex* Symposium, Cornell University, Ithaca, New York, 14-15 Oct. 2013.
158. †**Brissey**, C.L., †Coyle, D.R., †Mech, A.M., and **Gandhi**, K.J.K. 2013. Responses of bark and wood-boring beetles to host attractants in hemlock-dominated forests. Annual Southern Appalachian Forest Entomologist/Pathologist Conference, Crossnore, North Carolina, 7-8 March 2013.
159. ***Gandhi**, K. J. K. 2013. Emerald ash borer: biology, management, and impacts. Georgia Department of Agriculture Meeting, Griffin, Georgia, 20 Aug. 2013.
160. †**Mech**, A.M., †Coyle, D.R., Cram, M., Asaro, C., and **Gandhi**, K.J.K. 2013. First report of white pine fungus scale in the Southeast and its potential effect on eastern white pine health. Annual Southern Appalachian Forest Entomologist/Pathologist Conference, Crossnore, North Carolina, 7-8 March 2013.
161. †**Brissey**, C.L., †Coyle, D.R., †Mech, A.M., and **Gandhi**, K.J.K. 2013. Responses of bark and wood-boring beetles to host attractants in hemlock-dominated forests. The 77th Annual Meeting of the Georgia Entomological Society, Dawsonville, Georgia, 10-12 April 2013.
162. †**Mech**, A.M., Teskey, R., Rhea, R., and **Gandhi**, K.J.K. 2013. Georgia summer temperatures: a natural enemy of the hemlock woolly adelgid. The 77th Annual Meeting of the Georgia Entomological Society, Dawsonville, Georgia, 10-12 April 2013.
163. **Jones**, C.E., Havill, N.P., Hanula, J.L., **Gandhi**, K.J.K., and Braman, K. 2013. Assessing the establishment of predatory beetles released to control the invasive hemlock woolly adelgid. The 55th Annual Southern Forest Insect Work Conference, New Orleans, Louisiana, 23-26 July 2013.
164. †**Robertson**, D., Sullivan, B., Shepherd, W., Meeker, J., Johnson, W., and **Gandhi**, K.J.K. 2013. Host attractants for *Ibalia leucospoides ensiger*, a parasitoid of siricids in North America. The 55th Annual Southern Forest Insect Work Conference, New Orleans, Louisiana, 23-26 July 2013.
165. †**Mech**, A.M., Coyle, D.R., Cram, M., Asaro, C., Gullan, P.J., Cook, L.G., and **Gandhi**, K.J.K. 2013. *Matsucoccus macrocitrices*: a new distribution and potential threat to eastern white pine in the Southeast. The 55th Annual Southern Forest Insect Work Conference, New Orleans, Louisiana, 23-26 July 2013.
166. **Riggins**, J., Formby, J., †Dinkins, J., Chase, K., **Gandhi**, K.J.K., and Krishnan, N. 2013. Overcoming a lack of biological data in modeling alien forest insect invasions. The 55th Annual Southern Forest Insect Work Conference, New Orleans, Louisiana, 23-26 July 2013.
167. †**Coyle**, D.R., Nowak, J.T., Klepzig, K.D., Otrosina, W.J., Smith, W.D., Koch, F.H., Morris, L.M., and **Gandhi**, K.J.K. 2013. Abiotic and biotic factors influencing pine health in Georgia and Alabama. The 55th Annual Southern Forest Insect Work Conference, New Orleans, Louisiana, 23-26 July 2013.
168. †**Mech**, A.M., Coyle, D.R., Cram, M., Asaro, C., and **Gandhi**, K.J.K. 2013. Scale insect and pathogen complex affecting eastern white pine in the Southeast. Annual Warnell Graduate Student Symposium, Athens, Georgia, 13-15 Feb. 2013.
169. †**Robertson**, D., Sullivan, B., Shepherd, W., Meeker, J., Johnson, W., and **Gandhi**, K.J.K. 2013. Host attractants for *Ibalia leucospoides ensiger*, a parasitoid of siricids in

- North America. Annual Warnell Graduate Student Symposium, Athens, Georgia, 13-15 Feb. 2013.
170. †Staeben, J., Sullivan, B., Nowak, J., and **Gandhi**, K.J.K. 2013. Differential selection behavior of southern pine beetle (*Dendroctonus frontalis*) and primary predator (*Thanasimus dubius*) to alpha-pinene enantiomers. Annual Warnell Graduate Student Symposium, Athens, Georgia, 13-15 Feb. 2013.
 171. ***Gandhi**, K.J.K. 2013. Current and emerging pests in the southeastern U.S. Georgia Vegetation Management Conference, Savannah, 12 April 2013.
 172. *[§]**Gandhi**, K.J.K., †Robertson, D., Johnson, W., Meeker, J., Sullivan, B., and Shepherd, W. 2013. Chemical and nutritional ecology of parasitoids of siricid wasps. The 4th International Symposium on Biological Control of Arthropods, Pucón, Chile, 4-8 March 2013. Presented by Matt Greenstone.
 173. *†Coyle, D.R., and **Gandhi**, K.J.K. 2013. Non-native insects in eastern North America alter native flora and fauna communities. 87th Annual Meeting of the Southeastern Branch, Entomological Society of America, Baton Rouge, Louisiana, 3-5 March 2013.
 174. *[§]**Gandhi**, K.J.K., †Barnes, B., †Dinkins, J., Robertson, D., Coyle, D., Chase, K., Asaro, C., Johnson, W., Meeker, J., Miller, D., Riggins, J., Sullivan, B., and Shepard, W. 2013. Community and chemical ecology of native siricids and their parasitoids. Annual USDA Interagency Research Forum on Exotic Insects, Annapolis, 8-11 Jan. 2013.
 175. Asaro, C., †Coyle, D.R., Cram, M., †Mech, A.M., Gullan, P., and **Gandhi**, K.J.K. 2012. Monitoring the impacts of a potential scale/pathogen complex on symptomatic eastern white pine trees in the Southern Appalachians. Joint Meeting of the Southern Forest Insect Work Conference and Southwide Forest Disease Workshop, Charlottesville, Virginia, 24-27 July 2012.
 176. †Barnes, B., Miller, D., Crowe, C., and **Gandhi**, K.J.K. 2012. Comparison of trapping methods for large woodboring beetles. Daniel B. Warnell Graduate Student Symposium, University of Georgia, Athens, Georgia, 15-16 Feb. 2012.
 177. [§]Chase, K.D., **Gandhi**, K.J.K., and Riggins, J.J. 2012. Forest stand type preference of *Sirex nigricornis* (Hymenoptera: Siricidae) in Mississippi. Annual Meeting of the Entomological Society of America, Knoxville, Tennessee, 11-14 Nov. 2012.
 178. Chase, K.D., **Gandhi**, K.J.K., and Riggins J.J. 2012. *Sirex nigricornis* (Hymenoptera: Siricidae) abundance in various forest stand types in Mississippi. Joint Meeting of the Southern Forest Insect Work Conference and Southwide Forest Disease Workshop, Charlottesville, Virginia, 24-27 July 2012.
 179. Chase, K.D., **Gandhi**, K.J.K., and Riggins J.J. 2012. Native siricid and parasitoid abundance, phenology, and distribution in the southeastern USA. East Texas Forest Entomology Seminar, Nacogdoches, Texas, 26-27 April 2012.
 180. *†Coyle, D.R., Dean, J.D., Morris, L., Nowak, J., Otrósina, W., Smith, W., Koch, F., Klepzig, K., Cameron, S., Bates, C., and **Gandhi**, K.J.K. 2012. Biotic and abiotic factors influencing pine health in Georgia. Joint Meeting of the Southern Forest Insect Work Conference and Southwide Forest Disease Workshop, Charlottesville, Virginia, 24-27 July 2012.
 181. *†Coyle, D.R. and **Gandhi**, K.J.K. 2012. Identification, ecology, and management of new exotic insect pests of trees. Gwinnett County Extension Green Industry Update, Lawrenceville, Georgia, 13 March 2012.

182. Cram, M., †Mech, A.M., Asaro, C., †Coyle, D.R., Gullan, P., and **Gandhi**, K.J.K. 2012. *Caliciopsis pinea* and other fungal pathogens associated with *Matsucoccus* damage to *Pinus strobus* in Virginia and Georgia. Joint Meeting of the Southern Forest Insect Work Conference and Southwide Forest Disease Workshop, Charlottesville, Virginia, 24-27 July 2012.
183. §**Gandhi**, K.J.K. 2012. Challenges for a professor starting out. Symposium: How entomologists manage: the global skills we often overlook. Annual Meeting of the Entomological Society of America, Knoxville, Tennessee, 11-14 Nov. 2012.
184. ***Gandhi**, K.J.K., Herms, D.A., Cardina, J., Long, R., Rebbeck, J., Knight, K., McCullough, D., Hartzler, D., Herms, C., Klooster, W., Smith, A., and Taylor, R. 2012. Multi-year patterns and ecological impacts of emerald ash borer-induced ash mortality in Great Lakes region. Department of Biology, Seminar, University of Minnesota, Duluth, 19 Oct. 2012.
185. *§**Gandhi**, K.J.K., Smith, A., and Herms, D.A. 2012. Responses of native arthropods to ash dieback due to emerald ash borer. Annual Meeting of Ecological Society of America, Portland, Oregon, 6-10 Aug. 2012.
186. ***Gandhi**, K.J.K., †Staebe, J., Sullivan, B., Ayres, M., and Nowak, J. 2012. Ecology of pine bark beetles in Georgia: chemocology of southern pine beetle. Jones Ecological Research Center, Newton, Georgia, 19 April 2012.
187. †Mech, A.M., † Coyle, D.R., Cram, M., Asaro, C., Gullan, P.J., and **Gandhi**, K.J.K. 2012. Scale/pathogen complex affecting white pine in the southern Appalachians. Southern Appalachian Forest Pest Workshop, Crossnore, North Carolina, 8-9 March 2012.
188. §†Mech, A.M., Teskey, R.O., Rhea, J.R., and **Gandhi**, K.J.K. 2012. Direct effects of high temperature on *Adelges tsugae* mortality. Annual Meeting of the Entomological Society of America, Knoxville, Tennessee, 11-14 Nov. 2012.
189. †Mech, A.M., **Gandhi**, K.J.K., Teskey, R.O., Hanula, J.L., and Rhea, J.R. 2012. Effects of high temperatures on aestivating hemlock woolly adelgid. Daniel B. Warnell Graduate Student Symposium, University of Georgia, Athens, Georgia, 15-16 Feb. 2012.
190. †Mech, A.M., **Gandhi**, K.J.K., Teskey, R.O., Hanula, J.L., and Rhea, J.R. 2012. Effects of high temperatures on aestivating hemlock woolly adelgid. Southern Appalachian Forest Pest Workshop, Crossnore, North Carolina, 8-9 March 2012.
191. †Staebe, J., Ayres, M., Nowak, J., and **Gandhi**, K.J.K. 2012. Predators of the semiochemical community of the southern pine beetle (*Dendroctonus frontalis*). Joint Meeting of the Southern Forest Insect Work Conference and Southwide Disease Workshop, Charlotte, Virginia, 24-27 July 2012.
192. †Staebe, J., Miller, D., and **Gandhi**, K.J.K. 2012. Semiochemical community associates of *Ips* beetles in Oconee National Forest in Georgia. Daniel B. Warnell Graduate Student Symposium, University of Georgia, Athens, Georgia, 15-16 Feb. 2012.
193. §†Staebe, J.C., Sullivan, B., Shepherd, W., Nowak, J.T., and **Gandhi**, K.J.K. 2012. Differential selection behavior of southern pine beetle (*Dendroctonus frontalis*) and primary predator, *Thanosimus dubius* to alpha-pinene enantiomers. Annual Meeting of the Entomological Society of America, Knoxville, Tennessee, 11-14 Nov. 2012.

194. †Staeben, J., Sullivan B., Shepard, W., Nowak, J., and **Gandhi**, K.J.K. 2012. The enantiomer response of southern pine beetle to host monoterpene, α -pinene. Southern Pine Beetle Working Group 2012. Joint Meeting of the Southern Forest Insect Work Conference and Southwide Disease Workshop, Charlotte, Virginia, 24-27 July 2012.
195. †Staeben, J., Sullivan B., Nowak, J., and **Gandhi**, K.J.K. 2012. Responses of southern pine beetle to two enantiomers of alpha-pinene. East Texas Forest Entomology Seminar, Nacogdoches, Texas, April 2012.
196. †Barnes, B., Miller, D.R., Asaro, C., Meeker, J.R., Johnson, W., and **Gandhi**, K.J.K. 2011. Distribution of native woodwasps and associated hymenopteran parasitoid species in the southeastern U.S. forests. Daniel B. Warnell Graduate Student Symposium, University of Georgia, Athens, Georgia, 3-4 March 2011.
197. †Brownell, K.A., and **Gandhi**, K.J.K. 2011. A comparison of communities of native and exotic subcortical beetles in nurseries and warehouses in Georgia. Daniel B. Warnell Graduate Student Symposium, University of Georgia, Athens, Georgia, 3-4 March 2011.
198. †Burke, J.L., Hanula, J.L., Horn, S., Audley, J.P., and **Gandhi**, K.J.K. 2011. The efficacy of two insecticides for protection of loblolly pines from subcortical insects in Georgia. Daniel B. Warnell Graduate Student Symposium, University of Georgia, Athens, Georgia, 3-4 March 2011.
199. Chase, K.D., †Dinkins, J.E., **Gandhi**, K.J.K., Meeker, J.R., and Riggins J.J. 2011. Native siricid abundance and *Sirex noctilio* hazard in the southeastern USA. East Texas Forest Entomology Seminar, Nacogdoches, Texas, 13-14 Oct. 2011.
200. †*Coyle, D.R. and **Gandhi**, K.J.K. 2011. Identification, ecology, and management of new exotic insect pests of shade trees. Georgia Arborists Association Meeting, Decatur, Georgia, 13 Sept. 2011.
201. †Dinkins, J., Riggins, J., Schimleck, L., Sullivan, B., Mastro, V., Zylstra, K.E., and **Gandhi**, K.J.K. 2011. Preferences of *Sirex noctilio* to southern pines: bioassays and attraction mechanisms. Daniel B. Warnell Graduate Student Symposium, University of Georgia, Athens, Georgia, 3-4 March 2011.
202. *§Fierke, M., **Gandhi**, K.J.K., and Ayers, M. 2011. *Sirex noctilio*: biology, parasitism and our native siricids. North American Forest Insect Work Conference, Portland, Oregon, 9-12 May 2011.
203. ***Gandhi**, K.J.K. 2011. Ecological invasion by exotic forest insects: a case study. The EDGE Seminar, Department of Genetics, University of Georgia, 9 Sept. 2011.
204. ***Gandhi**, K.J.K. 2011. Identification, ecology and management of new exotic insect pests of shade trees. Georgia Green Industry Association Wintergreen Conference 2011, Pesticide recertification seminar, Duluth, Georgia, 28 Jan. 2011.
205. *§**Gandhi**, K.J.K., and †Dinkins, J.E. 2011. Ecology and management of *Sirex noctilio* in North American forest stands. Annual Meeting of the Entomological Society of America, Southeastern Branch, San Juan, Puerto Rico, 18-23 March 2011.
206. *§**Gandhi**, K.J.K., and Herms, D.A. 2011. A tale of two beetles: invasion impacts and morphological anomalies in semi-urban areas. Symposium on Biocontrol agents in Urban Areas, Annual Meeting of the Entomological Society of America, Reno, Nevada, 13-15 Nov. 2011.
207. *§**Gandhi**, K.J.K., †Barnes, B., †Dinkins, J.E., Asaro, C., Dean, J., Johnson, W., Mastro, V., Meeker, J.R., Miller, D.R., Riggins, J., Schimleck, L., Sullivan, B., and K.

- Zylstra. 2011. Behavioral responses of *Sirex noctilio* to southeastern pine species. *Sirex* Meeting, USDA Forest Service and APHIS, Riverdale, 24-25 May 2011.
208. §**Gandhi**, K.J.K., Gilmore, D.W., Haack, R.A., Katovich, S.A., Krauth, S.J., Mattson, W.J., Zasada, J.C., and Seybold, S.J. 2009. Interactions between a catastrophic wind-disturbance event, subsequent fuel-reduction activities, and sub-boreal insects in northeastern Minnesota. North American Forest Insect Work Conference, Portland, Oregon, 9-12 May 2011.
 209. §**Herms**, D.A., Cardina, J., Knight, K.S., **Gandhi**, K.J.K., Klooster, W., Rice, K., Herms, C.P., Hartzler, D.M., Smith, A., and McCullough, D.G. 2011. Direct and indirect ecological impacts of emerald ash borer and ash mortality. The Emerald Ash Borer Meeting, Wooster, Ohio, 11-13 Oct. 2011.
 210. §**Herms**, D.A., Klooster, W., Knight, K.S., **Gandhi**, K.J.K., Smith, A., Herms, C.P., Hartzler, D., McCullough, D.G., and Cardina, J. 2011. Ash demography in the wake of emerald ash borer invasion: will regeneration restore ash or sustain the outbreak? Interagency Research Forum on Exotic Insects, Annapolis, Maryland, 11-14 Jan. 2011.
 211. **Knight**, K.S., Cardina, J., Herms, D.A., Herms, C.P., Klooster, W., and **Gandhi**, K.J.K. 2011. Effects of emerald ash borer (*Agilus planipennis*) on swamp, riparian, and upland forests. The 2011 Science, Practice & Art of Restoring Native Ecosystems Conference, East Lansing, Michigan, 21-22 Jan. 2011.
 212. †**Mech**, A.M., **Gandhi**, K.J.K., Teskey, R.O., Hanula, J.L., and Rhea, J.R. 2011. Interactions between high temperatures and host tree on the aestivating hemlock woolly adelgid. Daniel B. Warnell Graduate Student Symposium, University of Georgia, Athens, Georgia, 3-4 March 2011.
 213. †**Mech**, A.M., **Gandhi**, K.J.K., Teskey, R.O., Hanula, J.L., and Rhea, J.R. 2011. Interactions between high temperatures and host tree on the aestivating hemlock woolly adelgid. 20th Annual Southern Appalachian Forest Entomologist/ Pathologist Seminar in North Carolina, March 2011.
 214. †**Staebe**n, J., **Gandhi**, K.J.K., and Ayers, M. 2011. Semio-chemical community of the southern pine beetle (*Dendroctonus frontalis*). Daniel B. Warnell Graduate Student Symposium, University of Georgia, Athens, Georgia, 3-4 March 2011.
 215. †**Barnes**, B., Asaro, C., Meeker, J.R., Miller, D.R., Johnson, W., and **Gandhi**, K.J.K. 2010. Distribution and biology of native woodwasps and their hymenopteran parasitoid species in southern U.S. forests. Daniel B. Warnell Graduate Student Symposium, University of Georgia, Athens, Georgia, 4-5 March 2010.
 216. †**Burke**, J.L., Hanula, J.L., Horn, S., and **Gandhi**, K.J.K. 2010. Effects of prescribed-burning, subcortical insects, and associated fungi on loblolly pine in Georgia. Daniel B. Warnell Graduate Student Symposium, University of Georgia, Athens, Georgia, 4-5 March 2010.
 217. †**Dinkins**, J.E., Riggins, J.J., Mastro, V., Zylstra, K.E., and **Gandhi**, K.J.K. 2010. Oviposition and colonization preferences of *Sirex noctilio* on southern pine species. Southern Forest Insect Work Conference, Wilmington, North Carolina, 20-23 July 2010.
 218. †**Dinkins**, J., Riggins, J., Mastro, V., Zylstra, K.E., and **Gandhi**, K.J.K. 2010. Southern pine colonization preferences of the European woodwasp (*Sirex noctilio*): Preliminary results. Daniel B. Warnell Graduate Student Symposium, University of Georgia, Athens, Georgia, 4-5 March 2010.

219. ***Gandhi**, K.J.K., Asaro, C., [†]Barnes, B., [†]Dinkins, J., Johnson, W., Mastro, V., Meeker, J.R., Miller, D., Riggins, J.R., and Zylstra, K.E. 2010. Responses of the European woodwasp to southern pine species, and assessing distribution of native woodwasps and their parasitoids in southeastern U.S.A. 21st Interagency Research Forum on Exotic Insects, Annapolis, Maryland, 12-15 Jan. 2010.
220. [§]**Gandhi**, K.J.K., [†]Burke, J., Hanula, J.L., Horn, S., and Audley, J. 2010. Efficacy of two insecticides in the protection of loblolly pines from bark beetles in Georgia. Annual Meeting of the Entomological Society of America, San Diego, California, 12-15 Dec. 2010.
221. ***Gandhi**, K.J.K., [†]Burke, J., Milanovich, J.R., and Maerz, J.C. 2010. Invasion by exotic earthworms alters soil microarthropod communities in a northern hardwood forest. In Bellfest: a festschrift tribute to scientific work of Ross and Joyce Bell, Burlington, Vermont, 12-15 June 2010.
222. ***Gandhi**, K.J.K., Smith, A., and Herms, D.A. 2010. How arthropods are directly and indirectly affected by ash dieback due to emerald ash borer? Annual Meeting of the Ecological Society of America, Pittsburgh, 7 Aug. 2010.
223. [§]**Knight**, K.S., Cardina, J., Herms, D.A., Herms, C.P., Klooster, W., Smith, A., and **Gandhi**, K.J.K. 2010. Effects of emerald ash borer (*Agrilus planipennis*) on swamp, riparian, and upland forests. The Science, Practice and Art of Restoring Native Ecosystems 2010, 22-23 Jan. 2010.
224. **Knight**, K.S., Herms, D.A., Cardina, J., Long, R.P., Rebbeck, J., **Gandhi**, K.J.K., Smith, A., Herms, C.P., Klooster, W., and Smith, S.K. 2010. Effects of emerald ash borer on forest ecosystems: facilitation of invasive plants. Ohio Invasive Plants Conference: Connecting Research and Land Management, Columbus, Ohio, 18 Feb. 2010.
225. **Knight**, K.S., Herms, D.A., Cardina, J., Long, R.P., Rebbeck, J., **Gandhi**, K.J.K., Herms, C.P., and Smith, A. 2010. Dynamics of emerald ash borer infestation, ash mortality, succession, and invasive plant species in infested forest ecosystems: What we've learned in Michigan and Ohio. Black Ash Symposium, Bemidji, Minnesota, 25-27 May 2010.
226. [§]**Knight**, K.S., Herms, D.A., Cardina, J., Long, R., Rebbeck, J., **Gandhi**, K.J.K., Smith, A., Klooster, W.S., Herms, C.P., and Royo, A.A. 2010. EAB aftermath forests: The dynamics of ash mortality and the responses of other plant species. Symposium on Ash in North America, West Lafayette, Indiana, 9-11 March 2010.
227. [§]**Knight**, K.S., Herms, D.A., Cardina, J., Long, R., Smith, A., Rebbeck, J., **Gandhi**, K.J.K., Herms, C.P., and Klooster, W.S. 2010. When does emerald ash borer (*Agrilus planipennis*) cause changes in light regimes and shifts in species composition? Annual Meeting of the Ecological Society of America, Pittsburgh, 7 Aug. 2010.
228. **Knight**, K.S., Herms, D.A., Cardina, J., Long, R.P., Rebbeck, J., **Gandhi**, K.J.K., Herms, C.P., and Smith, A. 2010. Effects of emerald ash borer on forest ecosystems. 5 Rivers Metroparks, EAB Informational Meeting, Dayton, Ohio, 17 Aug. 2010.
229. [†]**Mech**, A.M., Hanula, J.L., Rhea, R.J., and **Gandhi**, K.J.K. 2010. Effects of beetle predator species on hemlock woolly adelgid in forests of southeastern USA. Daniel B. Warnell Graduate Student Symposium, University of Georgia, Athens, Georgia, 4-5 March 2010.

230. *Meeker, J.R., Barnes, B., Asaro, C., Miller, D.R., Johnson, W., and **Gandhi**, K.J.K., 2010. State of *Sirex*. Departmental Seminar, University of Alabama, Auburn, 20 April 2010.
231. †Staben, J., Nowak, J., Johnson, J., Clark, S., Coyle, D., and **Gandhi**, K.J.K. 2010. Southern pine beetle: evaluation of current population prediction models, and effects of their forest management activities on litter-dwelling beetles. Daniel B. Warnell Graduate Student Symposium, University of Georgia, Athens, Georgia, 4-5 March 2010.
232. *§**Gandhi**, K.J.K., Asaro, C., †Barnes, B., †Dinkins, J., Johnson, W., Mastro, V., Meeker, J.R., Miller, D., Riggins, J.R., and Zylstra, K.E. 2009. Linking organismal, population, and community insect ecology to forest health and protection issues in southern forest stands. Forest Entomology Symposium, Annual Meeting of the Entomological Society of America, Indianapolis, Illinois, 13-16 Dec. 2009.
233. ***Gandhi**, K.J.K., Gilmore, D.W., Haack, R.A., Katovich, S.A., Krauth, S.J., Mattson, W.J., Zasada, J.C., and Seybold, S.J. 2009. Interactions between a catastrophic wind-disturbance event, subsequent fuel-reduction activities, and sub-boreal insects in northeastern Minnesota. USDA-Forest Service, Superior National Forest, The Future of Fire and Wind in Northern Minnesota Forests: lessons learned from the 1999 blowdown, Cloquet, Minnesota, 18 Feb. 2009.
234. ***Gandhi**, K.J.K., Smith, A., Long, R.P., Taylor, R.A.J., and Herms, D.A. 2009. Five-year patterns of ash decline and subsequent ecological impacts due to emerald ash borer in southeastern Michigan. The Annual Meeting of the Eastern Branch of the Entomological Society of America, Harrisburg, Pennsylvania, 23 March 2009.
235. Herms, D.A., Bonello, P., Cardina, J., Cipollini, D., **Gandhi**, K.J.K., Herms, C.P., Knight, K.S., Long, R.P., McCullough, D.G., Rebek, E., Smith, A., and Smitley, D. 2009. The Emerald Ash Borer Invasion of North America: How can a Secondary Pest Threaten the Existence of an Entire Tree Genus? 60th Annual Western Forest Insect Work Conference, Spokane, Washington, 23-25 March 2009.
236. §Herms, D.A., Bonello, P., **Gandhi**, K.J.K., and Smith, A. 2009. The emerald ash borer invasion of North America: how can a secondary pest threaten the existence of an entire tree genus? International Union of Forest Research Organizations, Division 7- Forest Health, Working Unit 7.03.11: Tree Resistance to Insects Conference, Cortina D'ampezzo, Italy, 30 Aug.-2 Sept. 2009.
237. §Herms, D.A., **Gandhi**, K.J.K., Klooster, W., Knight, K.S., Herms, C.P., Smith, A., McCullough, D.G., and Cardina, J. 2009. Ash regeneration in the wake of EAB: will it restore ash or sustain the outbreak? Emerald Ash Borer Meeting, Pittsburgh, Pennsylvania, 19-21 Oct. 2009.
238. §Herms, D.A., **Gandhi**, K.J.K., Smith, A., Cardina, J., Knight, K.S., Herms, C.P., Long, R.P., and McCullough, D.G. 2009. Ecological impacts of emerald ash borer in forests of southeast Michigan. 20th USDA Interagency Research Forum on Invasive Species, Annapolis, Maryland, 13-16 Jan. 2009.
239. Herms, D.A., Klooster, W., Knight, K.S., **Gandhi**, K.J.K., Herms, C.P., Smith, A., McCullough, D., and Cardina, J. 2009. Ash regeneration in the wake of emerald ash borer: will it restore ash or sustain the outbreak? Second Annual Emerald Ash Borer MiniSymposium, USDA Forest Service, Delaware, Ohio, 4 Dec. 2009.

240. Knight, K.S., Cardina, J., Herms, C.P., **Gandhi**, K.J.K., Smith, A., Long, R.P., and Herms, D.A. 2009. Effects of emerald ash borer (*Agrilus planipennis*) on forest stands: Ash (*Fraxinus* spp.) decline and mortality. The Ohio State University Buckeye Ecologist Symposium, Columbus, Ohio, 16 Jan. 2009.
241. Knight, K.S., Herms, D.A., Cardina, J., Long, R., Rebbeck, J., **Gandhi**, K.J.K., and Smith, A. 2009. Monitoring and Modeling EAB effects in forest ecosystems: the next steps. Second Annual Emerald Ash Borer MiniSymposium, USDA Forest Service, Delaware, Ohio, 4 Dec. 2009.
242. [§]Knight, K.S., Herms, D.A., Cardina, J., Long, R.P., Rebbeck, J., **Gandhi**, K.J.K., and Smith, A. 2009. Monitoring and modeling EAB effects in forest ecosystems: an update on Ohio monitoring plots and ash mortality modeling. Emerald Ash Borer Meeting, Pittsburgh, Pennsylvania, 19-21 Oct. 2009.
243. Knight, K.S., Rebbeck, J., Cappaert, D.L., Kula, R.R., Bauer, L.S., Bogard, D.A., and **Gandhi**, K.J.K. 2009. Emerald ash borer outreach project at Dempsey middle school. Second Annual Emerald Ash Borer MiniSymposium, USDA Forest Service, Delaware, Ohio, 4 Dec. 2009.
244. [§]Knight, K.S., Rebbeck, J., Cappaert, D.L., Kula, R.R., Bauer, L.S., Bogard, D.A., and **Gandhi**, K.J.K. 2009. Citizen science project leads to emerald ash borer parasitoid discovery. Emerald Ash Borer Meeting, Pittsburgh, Pennsylvania, 19-21 Oct. 2009.
245. Rice, K.B., Herms, D.A., **Gandhi**, K.J.K., Knight, K.S., and Cardina, J. 2009. Lingering effects of EAB: indirect effects of canopy gaps on interactions between prickly ash and giant swallowtail butterfly larvae. Second Annual Emerald Ash Borer MiniSymposium, USDA Forest Service, Delaware, Ohio, 4 Dec. 2009.
246. [§]Rice, K.B., Herms, D.A., **Gandhi**, K.J.K., Knight, K.S., and Cardina, J. 2009. Lingering effects of EAB: canopy gaps and light in the understory. Emerald Ash Borer Meeting, Pittsburgh, Pennsylvania, 19-21 Oct. 2009.
247. [§]**Gandhi**, K.J.K., Knight, K., and Herms, D.A. 2008. Dynamics of coarse-woody debris in emerald ash borer-infested forest stands in southeastern Michigan. Annual meeting of the Entomological Society of America, Reno, Nevada, 15-18 Nov. 2008.
248. ***Gandhi**, K.J.K., Reding, M.E., Ranger, C.M., [†]Lightle, D.M., [†]Mosley, B.J., Nielsen, D., and Herms, D.A. 2008. Activity of Subcortical Insects in Northeastern Ohio Nurseries. Annual Meeting of the Entomological Society of America- Northcentral Branch Meeting, Columbus, Ohio, 24-27 March 2008.
249. Herms, D.A., Bonello, P., Cardina, J., Cipollini, D., **Gandhi**, K.J.K., Herms, C.P., Knight, D.S., Long, R.P., McCullough, D.G., Rebek, E., Smith, A., and Smitley, D. 2008. The emerald ash borer invasion of North America: How can a secondary pest threaten the existence of an entire tree genus? First EAB Minisymposium, Columbus, Ohio, 12 Dec. 2008.
250. Knight, K.S., Cardina, J., Herms, C.P., **Gandhi**, K.J.K., Smith, A., Long, R.P., and Herms, D.A. 2008. Invasive plants in forests infested by emerald ash borer: how scientists and managers worked together to design a useful research program. Midwest Invasive Plants Network annual meeting, Indianapolis, Indiana, 9 Dec. 2008.
251. Knight, K.S., Cardina, J., Herms, C.P., **Gandhi**, K.J.K., Smith, A., Long, R.P., Rebbeck, J., and Herms, D.A. 2008. Ash mortality and lingering ash in Ohio and Michigan. First EAB Minisymposium, Columbus, Ohio, 12 Dec. 2008.

252. §Knight, K.S., Long, R.P., Yaussy, D.A., Rebbeck, J., Smith, A., **Gandhi**, K.J.K., and Herms, D.A. 2008. How fast will the trees die? Modeling ash (*Fraxinus spp.*) decline in forest stands infested by emerald ash borer (*Agrilus planipennis*). Ecological Society of America Conference, Milwaukee, Wisconsin, 4 Aug. 2008.
253. Knight, K.S., Long, R.P., Smith, A., **Gandhi**, K.J.K., and Herms, D.A. 2008. How fast will the trees die? A transition matrix model of ash (*Fraxinus spp.*) decline in forest stands infested by emerald ash borer (*Agrilus planipennis*). Central Hardwoods Forest Conference, Lafayette, Indiana, 8 April 2008.
254. Knight, K.S., Long, R.P., Rebbeck, J., Smith, A., **Gandhi**, K.J.K., Herms, D.A., Cardina, J., and Herms, C.P. 2008. Effects of emerald ash borer on forest ecosystems. USFS Northern Research Station Seminar Series, Delaware, Ohio, 10 March 2008.
255. Knight, K.S., Long, R.P., Smith, A., **Gandhi**, K.J.K., Rebbeck, J., and Herms, D.A. 2008. How fast will the trees die? A transition matrix model of ash (*Fraxinus spp.*) decline in forest stands infested by emerald ash borer (*Agrilus planipennis*). Ohio State University, Department of Evolution, Ecology, and Organismal Biology seminar series, 10 Jan. 2008.
256. Klooster, W., Herms, C.P., Knight, K.S., **Gandhi**, K.J.K., Smith, A., Herms, D.A., and Cardina, J. 2008. Native and invasive plants in the understory of forests impacted by emerald ash borer. First EAB Minisymposium, Columbus, Ohio, 12 Dec. 2008.
257. ***Gandhi**, K.J.K., Smith, A., and Herms, D.A. 2007. Effects of ash dieback due to emerald ash borer on litter-dwelling arthropods. Natural Areas Conference, Cleveland, Ohio, 9-12 Oct. 2007.
258. §Herms, D.A., **Gandhi**, K.J.K., Cardina, J., Long, R.P., Knight, K.S., Smith, A., and McCullough, D.G. 2007. Impacts of emerald ash borer-induced gap formation on forest communities. Emerald Ash Borer and Asian Longhorned Beetle Research and Technology Development Meeting, Pittsburgh, Pennsylvania 23-24 Oct. 2007.
259. Herms, D.A., Cardina, J., Herms, C.P., **Gandhi**, K.J.K., Knight, K.S., Long, R.P., McCullough, D.G., and Smith, A. 2007. Impacts of emerald ash borer induced gap formation on forest communities. Natural Areas Conference, Cleveland, Ohio, 9-12 Oct. 2007.
260. Knight, K.S., Long, R.P., Smith, A., **Gandhi**, K.J.K., and Herms, D.A. 2007. How fast will trees die? A transition matrix model of ash (*Fraxinus spp.*) decline in forest stands infested by emerald ash borer (*Agrilus planipennis*). Natural Areas Conference, Cleveland, Ohio, 9-12 Oct. 2007.
261. §Knight, K.S., Long, R.P., Rebbeck, J., Smith, A., **Gandhi**, K.J.K., and Herms, D.A. 2007. How fast will the trees die? A transition matrix model of ash (*Fraxinus spp.*) decline in forest stands infested by emerald ash borer (*Agrilus planipennis*). Emerald Ash Borer and Asian Longhorned Beetle Research and Technology Development Meeting, Pittsburgh, Pennsylvania 23-24 Oct. 2007.
262. §**Gandhi**, K.J.K., Smith, A., Long, R.A., Taylor, R.A.J., and Herms, D.A. 2007. Three-year progression of emerald ash borer induced ash decline and mortality in the forests of southeastern Michigan. Emerald Ash Borer and Asian Longhorned Beetle Research and Technology Development Meeting, Pittsburgh, Pennsylvania 23-24 Oct. 2007.
263. §**Gandhi**, K.J.K., Smith, A., Long, R.A., and Herms, D.A. 2006. Patterns of emerald ash borer induced ash decline and mortality in the forests of southeastern Michigan.

- Proceedings of the Emerald Ash Borer and Asian Longhorned Beetle Research and Technology Development Meeting, Cincinnati, Ohio, Oct 29-Nov 2, 2006.
264. §**Gandhi**, K.J.K., Smith, A., and Herms, D.A. 2006. Effects of ash dieback due to emerald ash borer on litter-dwelling arthropods". Annual Meeting of the Entomological Society of America, Indianapolis, Indiana, 10-13 Dec. 2006.
 265. *§**Gandhi**, K.J.K. 2006. Patterns of invasions by non-native ground beetles in North America. International Carabidologists Meeting: George E. Ball Fest, Pittsburgh, Pennsylvania, 7-10 June 2006.
 266. **Gandhi**, K.J.K., Smith, A., Long, R.P., and Herms, D.A. 2006. Patterns of emerald ash borer induced ash decline and mortality in forests of the Huron River Watershed. North Central Forest Pest Workshop, Pellston, Michigan, 2-5 Oct. 2006.
 267. **Gandhi**, K.J.K., Gilmore, D.W., Haack, R.A., Katovich, S.A., Mattson, W.J., Zasada, J.C., and Seybold, S.J. 2005. Responses of sub-boreal carabids to a severe wind-disturbance event and subsequent fuel-reduction activities in northeastern Minnesota. Department of Entomology, University of California, Davis Student Retreat.
 268. §**Gandhi**, K.J.K., Gilmore, D.W., Haack, R.A., Katovich, S.A., Mattson, W.J., Zasada, J.C., and Seybold, S.J. 2005. Semiochemical attractants of four species of *Ips* and their predators in a sub-boreal forest. Annual Meeting of the Entomological Society of America, Fort Lauderdale, Florida.
 269. *§**Gandhi**, K.J.K. 2005. Teacher, mentor, and scientist beyond excellence: the merry-go-round of George Ball continues for another 14 years. Annual Meeting of the Entomological Society of America, Fort Lauderdale, Florida.
 270. §**Gandhi**, K.J.K., Gilmore, D.W., Haack, R.A., Katovich, S.A., Mattson, W.J., Zasada, J.C., and Seybold, S.J. 2004. Responses of sub-boreal carabids to a severe wind-disturbance event and subsequent fuel-reduction activities in northeastern Minnesota. Annual Meeting of the Entomological Society of America, Salt Lake City, Utah.
 271. ***Gandhi**, K.J.K., Gilmore, D.W., Katovich, S.A., Mattson, W.J., and Seybold, S.J. 2003. Responses of sub-boreal ground beetles to a severe wind-disturbance event and subsequent silvicultural activities in Minnesota. USDA-Forest Service, Gunflint Ranger Station, Grand Marais, 13 Nov. 2003.
 272. ***Gandhi**, K.J.K. 2002. Responses of sub-boreal beetles to a severe wind-disturbance event and subsequent silvicultural activities in Minnesota. Forest Health Discussion Group, St. Paul, Minnesota, 30 Oct. 2002.
 273. *§**Gandhi**, K.J.K., Spence, J.R., Langor, D.W. and Morgantini, L.E. 2002. Fire and harvest residuals as habitat reserves for epigeic beetles. Sustainable Forest Management Network Meeting, Edmonton, Canada, 2-5 Oct. 2002.
 274. **Gandhi**, K.J.K., Spence, J.R., Langor, D.W., and Morgantini, L.E. 1999. Fire-skips and carabid beetles of the northern Rockies: 'Natural lessons' for the forest industry. Science and Practice: Sustaining the Boreal Forest. Sustainable Forest Management Network Conference, Edmonton, Alberta, 1999.
 275. **Gandhi**, K.J.K. 1997. Pond-associated arthropods: Inventory initiatives in coastal montane British Columbia. 44th Annual Meeting of the Entomological Society of Alberta, Lethbridge, Alberta, 1 Oct.-2 Nov. 1996.

Other Oral Presentations

Gandhi, K.J.K. 2017. Non-native species impacts on our forests. TEDxUGA, University of Georgia, Athens, Georgia, 24 March 2017. Selected to be a presenter at the event.

Poster Presentations

1. [†]Fortuin, C.C., and **Gandhi, K.J.K.** 2020. Mason bees do not detect imidacloprid in soil: a new methodology for assessing *Osmia lignaria* (Hymenoptera: Megachilidae) soil choice in controlled laboratory environment. Annual Meeting of the Entomological Society of America. Virtual, November 2020.
2. Merkle, S., Koch, J., Tull, R., Carey, D., Montello, P., [†]Barnes, B.F., Herms, D., and **Gandhi, K.J.K.** 2020. A new hope: ash embryogenic research for creating emerald ash borer-resistant ash clones. The Research Forum on Invasive Species, Annapolis, Maryland, Jan. 2020.
3. [†]Munro, H.L., Montes, C.R., and **Gandhi, K.J.K.** 2020. Using environmental variables to predict southern pine beetle numbers. The Annual 2020 Warnell Graduate Student Symposium, Athens Georgia. 12-14 February 2020.
4. De Soto, J.G., **Gandhi, K.**, Klepzig, K.D., and Villari, C. 2019. Host response of loblolly pine (*Pinus taeda*) to fungal associates of the southern pine beetle (*Dendroctonus frontalis*). The American-Phytopathological-Society (APS) Plant Health Annual Meeting, Cleveland, Ohio.
5. Bishop, C., **Gandhi, K.**, Klepzig, K., and Villari, C. 2019. Effects of post-hurricane management practices on belowground beetles and their fungal associates in longleaf pine savannah. The Plant Center at the University of Georgia 2019 Fall Retreat, Helen, Georgia.
6. Lim-Hing, S., **Gandhi, K.**, Sutter, L., Morris, L., McCarty, E., and Villari, C. 2019. Effects of micronutrient deficiency on loblolly pine resistance to biotic stressors. The Plant Center at the University of Georgia 2019 Fall Retreat, Helen, Georgia.
7. Parker, Z., Harding, S., **Gandhi, K.**, and Villari, C. 2019. Phenolic defense responses of loblolly pines (*Pinus taeda*) to root-infecting blue-stain fungi. The Plant Center at the University of Georgia 2019 Fall Retreat, Helen, Georgia.
8. De Soto, J., **Gandhi, K.**, Klepzig, K., and Villari, C. 2019. Phytochemical host response of loblolly pine (*Pinus taeda*) to fungal symbionts of the southern pine beetle (*Dendroctonus frontalis*). The Plant Center at the University of Georgia 2019 Fall Retreat, Helen, Georgia.
9. Cassidy, V., Asaro, C., Dickens, D., **Gandhi, K.**, and McCarty, E. 2019. Efficacy and non-target effects of systemic insecticide treatments for the Nantucket pine tip moth. Annual Meeting of Southern Pine Health Research Cooperative, Athens, Georgia.
10. Lim-Hing, S., Morris, L., **Gandhi, K.**, and Villari, C. 2019. Effects of Manganese (Mn) deficiency on plant primary and secondary metabolism. Annual Meeting of Southern Pine Health Research Cooperative, Athens, Georgia.
11. Parker, Z., Harding, S., **Gandhi, K.**, and Villari, C. 2019. Induced phenolic defense response of loblolly pines to root-infecting blue-stain fungi. Annual Meeting of Southern Pine Health Research Cooperative, Athens, Georgia.
12. De Soto, J., **Gandhi, K.**, Klepzig, K., and Villari, C. 2019. Loblolly pine response to the symbiotic fungi of the southern pine beetle. Annual Meeting of Southern Pine Health Research Cooperative, Athens, Georgia.

13. §[†]Ritger, H.M.W., Brantley, S.T., Boring, L.R., and **Gandhi**, K.J.K. 2019. Effects of fire regime on bark beetles and tree defenses in longleaf pine. Annual Meeting of the Ecological Society of America, Louisville, Kentucky, 11-16 August 2019.
14. §[†]Gochmour, B.M., Klepzig, K.D., Hoebeke, E.R., [†]Barnes, B.F., and **Gandhi**, K.J.K. 2019. Bark beetle-associated communities in lightning struck longleaf pine trees. Annual Meeting of the Entomological Society of America, St. Louis, Missouri, 17-20 Nov. 2019.
15. [†]Gochmour, B.M., Sheehan, T., [†]Barnes, B.F., Klepzig, K.D., and **Gandhi**, K.J.K. 2019. Response of bark beetles and associates to wind disturbance and salvage operations following Hurricane Michael. Annual Meeting of Southern Pine Health Research Cooperative, Athens, Georgia.
16. [†]Gochmour, B.M., Sheehan, T., [†]Barnes, B.F., Klepzig, K.D., and **Gandhi**, K.J.K. 2019. Response of bark beetles and associates to wind disturbance and salvage operations following Hurricane Michael. Annual Meeting of the Georgia Entomological Society, Cordele, Georgia, 10-12 April 2019.
17. Bishop, C., Sheehan, T., [†]Barnes, B.F., Klepzig, K.D., **Gandhi**, K.J.K., and Villari, C. 2019. Response of root feeding weevils and associates to wind disturbance, salvage operations, and root damage following Hurricane Michael. Annual Meeting of the Georgia Entomological Society, Cordele, Georgia, 10-12 April 2019.
18. de Soto, J., **Gandhi**, K.J.K., Klepzig, K.D., and Villari, C. 2019. Host response of loblolly pine (*Pinus taeda*) to fungal associates of the southern pine beetle (*Dendroctonus frontalis*). Annual Meeting of the Southern Forest Insect Work Conference, Savannah, Georgia, 23-26 July 2019.
19. Shepherd, W., McNichol, B., Barrett, J., **Gandhi**, K.J.K., and Sullivan, B. 2019. Presence and proportions of mycangial fungi and sex ratio of trap-captured southern pine beetles as potential predictors of population fluctuations. Annual Meeting of the Southern Forest Insect Work Conference, Savannah, Georgia, 23-26 July 2019.
20. [†]Gochmour, B.M., Sheehan, T., [†]Barnes, B.F., Klepzig, K.D., and **Gandhi**, K.J.K. 2019. Response of bark beetles and associates to wind disturbance, salvage operations, and prescribed fire following Hurricane Michael. Annual Meeting of the Southern Forest Insect Work Conference, Savannah, Georgia, 23-26 July 2019.
21. Bishop, C., Sheehan, T., [†]Barnes, B.F., Klepzig, K.D., **Gandhi**, K.J.K., and Villari, C. 2019. Response of root feeding weevils and fungal associates to wind disturbance, salvage operations, and root damage following Hurricane Michael. Annual Meeting of the Southern Forest Insect Work Conference, Savannah, Georgia, 23-26 July 2019.
22. Merkle, S., Koch, J., Tull, R., Carey, D., Montello, P., [†]Barnes, B.F., Herms, D., and **Gandhi**, K.J.K. 2019. Combining selection, breeding and in vitro mass propagation to generate emerald ash borer-resistant ash clones. Annual Meeting of the Southern Forest Insect Work Conference, Savannah, Georgia, 23-26 July 2019.
23. [†]McNichol, B., Sullivan, B.T., Nowak, J.T., [†]Barnes, B.F., Villari, C., and **Gandhi**, K.J.K. 2018. Describing the effects of prescribed fire on southern pine engraver (*Ips* spp.) infestations and loblolly pine (*Pinus taeda*) mortality. Warnell Graduate Student Symposium, Athens, Georgia, 31 Jan.-2 Feb. 2018.
24. [†]Whitney, T.D., Lucardi, R.D., and **Gandhi**, K.J.K. 2018. Associations between *Matsucoccus macrocitrices*, *Caliciopsis pinea*, and eastern white pine

- dieback in the Appalachians. The USDA-Forest Health Monitoring Workshop, Phoenix, Arizona. 13-15 Feb. 2018.
25. †Munro, H.L., Sullivan, B.T., †Barnes, B.F., Montes, C., Nowak, J.T., Shepherd, W.P., Villari, C., and **Gandhi**, K.J.K. 2018. Antennal activity of southern pine beetle and black turpentine beetles to semiochemicals associated with black turpentine beetle attacks in southern pine forests. Warnell Graduate Student Symposium, Athens, Georgia, 31 Jan.-2 Feb. 2018.
 26. †Ritger, H.M.W., Brantley, S.T., O'Brien, J.J., Klepzig, K.D., Moore, C.T., Boring, L.R., and **Gandhi**, K.J.K. 2018. Short-term effects of prescribed fire in longleaf pine on bark beetles and tree defenses. Warnell Graduate Student Symposium, Athens, Georgia, 31 Jan.-2 Feb. 2018.
 27. †McNichol, B., Montes, C., Nowak, J.T., Barnes, B.F., Sullivan B.T., and **Gandhi**, K.J.K. 2018. What are the best predictors of southern *Ips* species infestation growth and resulting loblolly pine mortality? Annual Meeting of the Southern Forest Insect Work Conference, San Antonio, Texas, 17-20 July 2018.
 28. Bishop, C., Sheehan, T.N., **Gandhi**, K.J.K., and Klepzig, K.D. 2018. Insect responses to silvicultural treatments for adaptations to climate change. Annual Meeting of the Southern Forest Insect Work Conference, San Antonio, Texas, 17-20 July 2018.
 29. †Whitney, T.D., Lucardi, R., and **Gandhi**, K.J.K. 2018. A novel insect-pathogen complex and its association with eastern white pine dieback. Joint meeting of the Entomological Society of America, Entomological Society of Canada, and Entomological Society of British Columbia, 11-14 Nov. 2018, Vancouver, Canada.
 30. Schulz, A.N., Mech, A.M., Allen, C.R., Ayres, M.P., **Gandhi**, K.J.K., Gurevitch, J., Havill, N.P., Herms, D.A., Hufbauer, R.A., Liebhold, A.M., Raffa, K.F., Raupp, M.J., Thomas, K.A., Tobin, P.C., and Marsico, T.D. 2018. Do all great minds think alike? An assessment of expert perspective on the impacts of non-native insects in North America. Joint meeting of the Entomological Society of America, Entomological Society of Canada, and Entomological Society of British Columbia, 11-14 Nov. 2018, Vancouver, Canada.
 31. Morris, L., **Gandhi**, K.J.K., †Barnes, B.F., Villari, C., and Beard, T. 2018. Soils mediate interactions between southern pine trees and bark beetles. North American Forest Soils Conference, Quebec, Montreal, 10-16 June 2018.
 32. Merkle, S.A., †Barnes, B.F., Montello, P.M., Tull, A.R., Herms, D.A., and **Gandhi**, K.J.K. 2018. Somatic embryogenesis and cryostorage for restoration of ash forests devastated by emerald ash borer. Workshop on Tree Resistance to Insects & Diseases: Putting Promise into Practice, Ohio, 5-10 August 2018.
 33. Schulz, A.N., Mech, A.M., Allen, C.R., Ayres, M.P., **Gandhi**, K.J.K., Gurevitch, J., Havill, N.P., Herms, D.A., Hufbauer, R.A., Liebhold, A.M., Raffa, K.F., Raupp, M.J., Thomas, K.A., Tobin, P.C., and Marsico, T.D. 2018. Assessment of Expert Perceptions of Non-Native Insect Impacts: Implications for Policy and Management. Missouri Natural Resources Conference, Osage Beach, Missouri, 30 January-3 February 2018.
 34. Buland, M., Barnes, B., Klepzig, K., **Gandhi**, K., and Villari, C. 2018. Elucidating the fungal community associated with root-feeding beetles using a metabarcoding approach. The 59th Southern Forest Insect Work Conference, San Antonio, Texas.

35. Buland, M., Barnes, B., Klepzig, K., **Gandhi**, K., and Villari, C. 2018. Metabarcoding elucidation of the fungal community in loblolly pine roots in Georgia. The Plant Center at the University of Georgia 2018 Fall Retreat, Helen, Georgia.
36. §[†]Bolton, N.W., Martin, J.A., Wigley, T.B., Verschuyt, J.B., and **Gandhi**, K.J.K. 2017. North American forest management practices and their implications for insect pollinators. The Annual Meeting of the Society of American Foresters, Albuquerque, New Mexico, 14-16 Nov 2017.
37. §Buland, M., [†]Barnes, B., Klepzig, K., **Gandhi**, K.J.K., and Villari, C. 2017. Species composition of root-feeding beetle associated *Leptographium* and *Grosmannia* blue-stain fungi in loblolly pine stands in Georgia. Mycological Society of American National Meeting, 16-19 July 2017.
38. §Buland, M., [†]Barnes, B., Klepzig, K., **Gandhi**, K.J.K., and Villari, C. 2017. Species diversity of *Leptographium* and *Grosmannia* blue-stain fungi associated with root-feeding beetles in loblolly pine stands. American Phytopathological Society National Meeting, 5-9 August 2017.
39. Buland, M., [†]Barnes, B., Klepzig, K., **Gandhi**, K.J.K., and Villari, C. 2017. Species diversity of root-feeding beetle associated blue-stain fungi in loblolly pine stands. UGA Institute of Bioinformatics Symposium, 25 September 2017
40. Buland, M., [†]Barnes, B., Klepzig, K., **Gandhi**, K.J.K., and Villari, C. 2017. Species composition of root-feeding beetle associated *Leptographium* and *Grosmannia* blue-stain fungi with potential implications for loblolly pine stands in Georgia. University of Georgia Plant Center Retreat, 26-27 October 2017.
41. Buland, M., [†]Barnes, B.F., Klepzig, K.D., **Gandhi**, K.J.K., and Villari, C. 2017. Composition of *Leptographium* species associated with root-feeding beetles in loblolly pine stands. The 26th Annual Southern Appalachian Forest Entomologist/Pathologist Seminar (SAFEPS), Crossnore, North Carolina, 2-3 March 2017.
42. [†]Munro, H.L., Sullivan, B.T., [†]Barnes, B.F., Montes, C., Nowak, J.T., Villari, C., and **Gandhi**, K.J.K. 2017. Semiochemical communication between sympatric southern pine beetle and black turpentine beetles in southern pine forests. The 2017 Southern Forest Insect Work Conference, Melbourne, Florida, 24-28 July 2017.
43. [†]McNichol, B., Nowak, J., [†]Barnes, B., Sullivan, B.T., and **Gandhi**, K.J.K. 2017. Characterizing the effects of prescribed fire on *Ips* spp. infestation growth and resulting *Pinus* spp. mortality postburn. The 2017 Southern Forest Insect Work Conference, Melbourne, Florida, 24-28 July 2017.
44. [†]Ritger, H.M.W., Boring, L.R., O'Brien, J.J., Brantley, S.T., and **Gandhi**, K.J.K. 2017. Short-term effects of a fire in longleaf pine: Implications for forest and ecosystem health. The 2017 Southern Forest Insect Work Conference, Melbourne, Florida, 24-28 July 2017.
45. §[†]Whitney, T.D., Lucardi, R.D., and **Gandhi**, K.J.K. 2017. Associations between *Matsucoccus macrocicatrices*, *Caliciopsis pinea*, and eastern white pine dieback in the Appalachians. The 28th USDA Interagency Research Forum on Invasive Species, 10-13 January 2017.
46. Buland, M., [†]Barnes, B.F., Dahlen, J., Eberhardt, T.L., Klepzig, K.D., **Gandhi**, K.J.K., and Villari, C. 2017. Etiology of root-feeding beetles and blue-stain fungi in managed loblolly pine stands. The 2017 Annual Warnell Graduate Student Symposium, Athens, Georgia, 9-10 February 2017.

47. †Munro, H., Sullivan, B., †Barnes, B., Villari, C., Nowak, J.T., and **Gandhi**, K.J.K. 2017. Semiochemical interaction between black turpentine beetle and southern pine beetle in the southeastern U.S. The 2017 Annual Warnell Graduate Student Symposium, Athens, Georgia, 9-10 February 2017.
48. §Barnes, B.F., †Coyle, D.R., †Helbig, C., Green, G., Klepzig, K., Koch, F., Morris, L., Nowak, J., Ostrosina, W., Smith, W., and **Gandhi**, K.J.K. 2016. Factors impacting pine health and landowner perceptions in the Southeastern U.S. Society of American Foresters National Convention, Madison, Wisconsin, 2-6 Nov 2016.
49. Brownell, K.A., Baker, S.C., Palik, B.J., Kern, C., and **Gandhi**, K.J.K. 2016. Forest patches as repository of biotic biodiversity in harvested aspen stands in central Minnesota. IV International Carabidology Conference, University of Georgia, Athens, Georgia, 20-22 Sept 2016.
50. †Ricome, E., †Fortuin, C., †Munro, H., Aghdasi, A., †Barnes, B., and **Gandhi**, K.J.K. 2016. Enhancing pollination benefits by insects in forested habitats. Young Scholar Program Conference, University of Georgia, Athens, Georgia, 8 July 2016.
51. †Barnes, B.F., †Coyle, D.R., †Helbig, C., Green, G.T., Klepzig, J.D., Koch, F.H., Morris, L.A., Nowak, J.T., Ostrosina, W.J., and Smith, W.D., and **Gandhi**, K.J.K. 2016. Ecological and social factors affecting pine health in the southeastern U.S. North American Forest Insect Work Conference, Washington DC, 31 May-3 June 2016.
52. §†Ritger, H.M.W., Boring, L., O'Brien, J., Brantley, S.T., and **Gandhi**, K.J.K. 2016. Interactions between subcortical insects and longleaf pine physiology under prescribed fire regimes. North American Forest Insect Work Conference, Washington DC, 31 May-3 June 2016.
53. §†Whitney, T.D., **Gandhi**, K.J.K., and Lucardi, R. 2016. Link between a scale insect and eastern white pine dieback: overview and future directions. North American Forest Insect Work Conference, Washington DC, 31 May-3 June 2016.
54. *†Ritger, H.M.W., Boring, L., O'Brien, J., Brantley, S.T., and **Gandhi**, K.J.K. 2016. Interactions between subcortical insects and longleaf pine physiology under various fire regimes. The University of Georgia, Celebrate Graduate Education: in Support of the Land-Grant Mission, Tifton, Georgia, 17 March 2016.
55. **Gandhi**, K.J.K., †Barnes, B.F., †Coyle, D.R., Klepzig, J.D., Morris, L.A., Nowak, J.T., Ostrosina, W.J., and Smith, W.D. 2015. Landscape and local patterns of pine health issues in the southeastern U.S. Annual Meeting of the Plantation Management Cooperative (PMRC), University of Georgia, Athens, 15-16 July 2015.
56. †Schulz, A.N., Asaro, C., †Coyle, D.R., Cram, M., Lucardi, R., †Mech, A.M., and **Gandhi**, K.J.K. 2015. What's bugging the white pine? Updates on the relationships between eastern white pine-*M. macrocitrices*-canker complex. Southern Forest Insect Work Conference, Fayetteville, Arkansas, 20-24 July 2015.
57. †Schulz, A.N., Lucardi, R.D., Cram, M.M., and **Gandhi**, K.J.K. 2015. What's happening to the white pine? An assessment of the eastern white pine-scale insect-canker complex in the southern Appalachian Mountains. Southeastern Evolution and Ecology Conference (SEEC), Athens, 15 March 2015.
58. †Schulz, A.N., Asaro, C., †Coyle, D.R., Cram, M., Lucardi, R., †Mech, A.M., and **Gandhi**, K.J.K. 2015. What's bugging the white pine? An assessment of the white

- pine-scale insect- canker complex in the southern Appalachian Mountains. Warnell Graduate Student Symposium, University of Georgia, Athens, 18-20 Feb. 2015.
59. §†Schulz, A.N., Asaro, C., †Coyle, D.R., Cram, M.M., Lucardi, R., †Mech, A.M., and **Gandhi**, K.J.K. 2015. Interactions between eastern white pine (*Pinus strobus*) and the recently discovered scale insect-pathogen complex in the southern Appalachians. 2015 Research Forum on Invasive Species, Annapolis, Maryland, 13-16 Jan. 2015.
 60. †Silva, A., †Coyle, D.R., Abernethy, E., Turner, K., Rhodes, G., Beasley, J., and **Gandhi**, K.J.K. 2015. Effects of anthropogenic contamination on coleopteran carrion assemblages. Warnell Graduate Student Symposium, University of Georgia, Athens, 18-20 Feb. 2015.
 61. †Whitney, T.D., **Gandhi**, K.J.K., and Lucardi, R.D. 2015. Genetic structure and potential coevolution between *Pinus strobus* and an insect herbivore. Southeastern Evolution and Ecology Conference (SEEC), Athens, 15 March 2015.
 62. †Brissey, C.L., **Gandhi**, K.J.K., and Boring, L.R. 2014. Impacts of silviculture on bark beetle assemblages in longleaf (*Pinus palustris*) of Southwest Georgia. Annual Meeting of the Georgia Entomological Society, Valdosta, Georgia, 9-11 April 2014.
 63. †Brissey, C.L., Boring, L.R., and **Gandhi**, K.J.K. 2014. Effects of long-term fire exclusion on subcortical insect assemblages in longleaf pine (*Pinus palustris*) stands in Southwest Georgia. Annual Southern Forest Insect Work Conference, Charleston, South Carolina, 22-25 July 2014.
 64. **Gandhi**, K.J.K., Asaro, C., †Coyle, D.R., Cram, M., †Mech, A.M., and †Schulz, A. 2014. Interactions between *Matsucoccus macrocicatrices*, fungal pathogens, and eastern white pine dieback in the southern Appalachians. IUFRO 2014 World Congress, 5-11 Oct. 2014.
 65. ***Gandhi**, K.J.K., Coyle, D.R., †Barnes, B., †Helbig, C., Klepzig, K., Koch, F., Morris, L., Nowak, J., Otrrosina, W., and Smith, W. 2014. Evaluating the role of rhizophagous insects and associated fungi in pine health issues in southeastern U.S. Annual Meeting of the Entomological Society of America, Portland, Oregon, 15-19 Nov. 2014.
 66. †Harrington, S.M., †Brissey, C.L., Boring, L.R., and **Gandhi**, K.J.K. 2014. Impacts of fire exclusion on bark and woodboring beetles in *Pinus palustris* stands. Annual Meeting of the Georgia Chapter of the Wildlife Society, Tifton, Georgia, 11-12 Sept. 2014.
 67. †Schulz, A.N., Asaro, C., †Coyle, D.R., Cram, M.M., Lucardi, R., †Mech, A.M., and **Gandhi**, K.J.K. 2014. The BFG Complex: assessing correlations between *Matsucoccus macrocicatrices*, *Caliciopsis pinea*, and *Pinus strobus* dieback in North Georgia. The 56th Annual Southern Forest Insect Work Conference, Charleston, South Carolina, 22-25 July 2014.
 68. †Schulz, A.N., Asaro, C., †Coyle, D.R., Cram, M.M., Lucardi, R., †Mech, A.M., and **Gandhi**, K.J.K. 2014. Cryptic killer or indulgent insect? *Matsucoccus macrocicatrices* and its relationship with *Pinus strobus* in the southern Appalachian Mountains. Annual Meeting of the Entomological Society of America, Portland, Oregon, 15-19 Nov. 2014.
 69. †Silva, A., †Coyle, D.R., Abernethy, E., Turner, K., Beasley, J., and **Gandhi**, K.J.K. 2014. Effects of chemical contamination on invertebrate scavenging communities. The 56th Annual Southern Forest Insect Work Conference, Charleston, South Carolina, 22-25 July 2014.

70. †Upchurch, M., †Coyle, D.R., Barnes, B., and **Gandhi**, K.J.K. 2014. Temporal and spatial characteristics of root-colonizing fungi in pine stands. Science Fair for High School Students by the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE), 22-23 Sept. 2014.
71. †Upchurch, M., †Coyle, D.R., Barnes, B., and **Gandhi**, K.J.K. 2014. Temporal and spatial characteristics of root-colonizing fungi in pine stands. Annual Conference of the Young Scholar Program, Athens, Georgia, 11 July 2014.
72. **Gandhi**, K.J.K., Asaro, C., †Coyle, D.R., Cram, M., and †Mech, A.M. 2013. Interactions between *Matsucoccus* scale insect/pathogen complex and eastern white pine health in the southern Appalachian Mountains. Annual Meeting of the Entomological Society of America, Austin, Texas, 10-13 Nov. 2013.
73. **Gandhi**, K.J.K., †Coyle, D.R., Klepzig, K.D., Koch, F.H., Morris, L.A., Nowak, J.T., Otrosina, W.J., and Smith, W.D. 2013. Evaluating the extent and nature of pine health issues in the southeastern U.S. Annual Meeting of the Society of American Foresters Meeting, Charleston, South Carolina, 24-26 Oct. 2013. Paper presented at the USDA, Forest Service, Forest Health Protection Booth.
74. **Gandhi**, K.J.K., †Coyle, D.R., Klepzig, K.D., Koch, F.H., Morris, L.A., Nowak, J.T., Otrosina, W.J., and Smith, W.D. 2013. Evaluating the extent and nature of pine health issues in the southeastern U.S. USDA Forest Service, Evaluation Monitoring Program, Online Conference.
75. §Knight, K.S., Herms, D.A., Cardina, J., Long, R.P., Ford, R., Klooster, W., Flower, C.E., Smith, A., **Gandhi**, K.J.K., and Herms, C.P. 2013. Temporal and spatial patterns of ash mortality and emerald ash borer populations. Annual Meeting of the Ecological Society of America, Minneapolis, 4-9 Aug. 2013.
76. †Mech, A.M., Coyle, D.R., Cram, M., Asaro, C., and **Gandhi**, K.J.K. 2013. Scale insect and pathogen complex affecting eastern white pine in the Southeast. The 77th Annual Meeting of the Georgia Entomological Society, Dawsonville, Georgia, 10-12 April 2013.
77. †Robertson, D., Sullivan, B., Shepherd, W., Meeker, J., Johnson, W., and **Gandhi**, K.J.K. 2013. Morphological characteristics of *Ibalia leucospoides ensiger* antennae, a siricid parasitoid. The 77th Annual Meeting of the Georgia Entomological Society, Dawsonville, Georgia, 10-12 April 2013.
78. †Brissey, C.L., Boring, L., and **Gandhi**, K.J.K. 2013. Impacts of fire regimes and stand composition in subcortical insects in longleaf-dominated forests. The 77th Annual Meeting of the Georgia Entomological Society, Dawsonville, Georgia, 10-12 April 2013.
79. Bordeaux, J.M., Dean, J.F.D., †Coyle, D.R., and **Gandhi**, K.J.K. 2013. Landscape-scale survey of pine responses to the venom of *Sirex noctilio* using biomarkers. The 32nd Southern Forest Tree Improvement Conference, Clemson, South Carolina, 10-13 June 2013.
80. †Coyle, D.R., Nowak, J.T., Klepzig, K.D., Otrosina, W.J., Smith, W.D., Koch, F.H., Morris, L.M., and **Gandhi**, K.J.K. 2013. Do rhizophagous beetles attack healthy trees? The 55th Annual Southern Forest Insect Work Conference, New Orleans, Louisiana, 23-26 July 2013.

81. †Dupuy, M., Kern, C., Baker, S., Palik, B., and **Gandhi**, K.J.K. 2013. Remnant forests in clearcuts as reservoirs of beetle biodiversity. Annual Warnell Graduate Student Symposium, Athens, Georgia, 13-15 Feb. 2013.
82. †Robertson, D., Sullivan, B., Shepherd, W., Meeker, J., Johnson, W., and **Gandhi**, K.J.K. 2013. Morphological characteristics of *Ibalia leucospoides ensiger* antennae. Annual Warnell Graduate Student Symposium, Athens, Georgia, 13-15 Feb. 2013.
83. †Mech, A.M., Coyle, D.R., Cram, M.M., Asaro, C., and **Gandhi**, K.J.K. 2013. Scale insect and pathogen complex affecting eastern white pine health. Annual Warnell Graduate Student Symposium, Athens, Georgia, 13-15 Feb. 2013.
84. §Stanosz, G.R., Smith, D.R., Sullivan, J.P., †Mech, A.M., **Gandhi**, K.J.K., Dalusky, M.J., Mayfield, A.E., and Fraedrich, S.W. 2013. Expansion in the known geographic distribution and host range of the shoot blight pathogen *Sirococcus tsugae*. Annual USDA Interagency Research Forum on Exotic Insects, Annapolis, Maryland, 8-13 Jan. 2013.
85. §†Barnes, B.F., Miller, D.R., Crowe, C.M., and **Gandhi**, K.J.K. 2012. Comparison of trapping techniques for large woodboring beetles. Annual Interagency Research Forum on Exotic Insects, Annapolis, Maryland, 10-13 Jan. 2012.
86. †Barnes, B., Miller, D., Crowe, C., and **Gandhi**, K.J.K. 2012. A comparison of trapping methods for large woodboring beetles. Daniel B. Warnell Graduate Student Symposium, University of Georgia, Athens, Georgia, 15-16 Feb. 2012.
87. Bordeaux, J.M., Dean, J.F.D., †Coyle, D.R., and **Gandhi**, K.J.K. 2012. Assessing southern pine gene expression response to the venom of *Sirex noctilio* using biomarkers. Joint Meeting of the Southern Forest Insect Work Conference and Southwide Forest Disease Workshop, Charlottesville, Virginia, 24-27 July 2012.
88. †Brissey, C.L., †Mech, A.M., †Coyle, D.R., and **Gandhi**, K.J.K. 2012. Characterizing the communities of bark and woodboring beetles in hemlock-dominated forests. Joint Meeting of the Southern Forest Insect Work Conference and Southwide Forest Disease Workshop, Charlottesville, Virginia, 24-27 July 2012.
89. Brissey, C., †Mech, A.M., †Coyle, D.R., and **Gandhi**, K.J.K. 2012. Optimal sampling of woodboring insects in hemlock forests of Georgia. Daniel B. Warnell Graduate Student Symposium, University of Georgia, Athens, Georgia, 15-16 Feb. 2012.
90. §†Brownell, K.A., Raines, M., Price, T., Johnson, J., and **Gandhi**, K.J.K. 2012. A comparison of communities of exotic subcortical beetles around warehouses and nurseries in Georgia. Annual Interagency Research Forum on Exotic Insects, Annapolis, Maryland, 10-13 Jan. 2012.
91. †Brownell, K.A., Raines, M., Price, T., Johnson, J., and **Gandhi**, K.J.K. 2012. A comparison of communities of exotic subcortical beetles around warehouses and nurseries in Georgia. Daniel B. Warnell Graduate Student Symposium, University of Georgia, Athens, Georgia, 15-16 Feb. 2012.
92. §†Coyle, D.R., Dyer, K.A., Pickering, J., and **Gandhi**, K.J.K. 2012. Multi-species outbreak of oak defoliating caterpillars (Lepidoptera: Noctuidae) in the southeastern U.S. Annual Meeting of the Entomological Society of America, Knoxville, Tennessee, 11-14 Nov. 2012.
93. §**Gandhi**, K.J.K., †Barnes, B., Meeker, J.R., Johnson, W., Asaro, C., and Miller, D.R. 2012. Phenology and community structure of woodwasps in southeastern pine forests.

- Annual Meeting of the Entomological Society of America, Knoxville, Tennessee, 11-14 Nov. 2012.
94. §[†]Mech, A.M., [†]Coyle, D.R., Asaro, C., Cram, M., and **Gandhi**, K.J.K. 2012. Scale insect and pathogen complex affecting eastern white pine health. Annual Meeting of the Entomological Society of America, Knoxville, Tennessee, 11-14 Nov. 2012.
 95. §[†]Mech, A.M., **Gandhi**, K.J.K., Teskey, R.O., and Rhea, J.R. 2012. Impacts of high temperatures on aestivating hemlock woolly adelgid. 23rd Interagency Research Forum on Exotic Insects, Annapolis, Maryland, 10-13 Jan. 2012.
 96. [†]Mech, A.M., **Gandhi**, K.J.K., Teskey, R.O., Hanula, J.L., and Rhea, J.R. 2012. Effects of high temperatures on aestivating hemlock woolly adelgid. Daniel B. Warnell Graduate Student Symposium, University of Georgia, Athens, Georgia, 15-16 Feb. 2012.
 97. §[†]Robertson, D.J., Sullivan, B.T., Shepherd, W.P., Meeker, J.R., Johnson, C.W., and **Gandhi**, K.J.K., Robertson, D.J., Sullivan, B.T., Shepherd, W.P., Meeker, J.R., and Johnson, C.W. 2012. Antennal sensillae of *Ibalia leucospoides ensiger*, a parasitoid of siricid wasps. Annual Meeting of the Entomological Society of America, Knoxville, Tennessee, 11-14 Nov. 2012.
 98. §**Gandhi**, K.J.K., [†]Dinkins, J.E., Riggins, J.J., Schimleck, L., Sullivan, B., and Dean, J.F. 2011. Behavioral responses of the European woodwasp, *Sirex noctilio*, on southeastern pine species. Annual Interagency Research Forum on Exotic Insects, Annapolis, Maryland, 10-13 Jan. 2012.
 99. [†]Robertson, D.J., Sullivan, B.T., Shepherd, W.P., Meeker, J.R., Johnson, C.W., and **Gandhi**, K.J.K. 2012. Morphology of antennal sensillae of *Ibalia leucospoides ensiger*, a parasitoid of siricid wasps. Joint Meeting of the Southern Forest Insect Work Conference and Southwide Forest Disease Workshop, Charlottesville, Virginia, 24-27 July 2012.
 100. [†]Staeben, J., Miller, D., and **Gandhi**, K.J.K. 2012. Semiochemical community associates of *Ips* beetles in Oconee National Forest in Georgia. Daniel B. Warnell Graduate Student Symposium, University of Georgia, Athens, Georgia, 15-16 Feb. 2012.
 101. §[†]Barnes, B.F., Asaro, C., Johnson, W., Meeker, J.R., Miller, D.R., and **Gandhi**, K.J.K. 2011. Native Siricidae and their hymenopteran parasitoids in southeastern forests: Who, what, when, where and how? North American Forest Insect Work Conference, Portland, Oregon, 9-12 May 2011.
 102. §[†]Brownell, K., Raines, M., Price, T., Johnson, J., and **Gandhi**, K.J.K. 2011. A comparison of communities of native and exotic subcortical beetles around nurseries and warehouses in southern region. North American Forest Insect Work Conference, Portland, Oregon, 9-12 May 2011.
 103. §[†]Burke, J., Maerz, J., Milanovich, J., Fisk, M., and **Gandhi**, K.J.K. 2011. Invasion by exotic earthworms alters biodiversity and communities of litter- and soil-dwelling microarthropods. North American Forest Insect Work Conference, Portland, Oregon, 9-12 May 2011.
 104. §Chase, K., Riggins, J.J., [†]Dinkins, J., and **Gandhi**, K.J.K. 2011. Building a hazard map of *Sirex noctilio* in the southeastern United States using host preference data. North American Forest Insect Work Conference, Portland, Oregon, 9-12 May 2011.

105. §[†]Dinkins, J., Riggins, J.J., Schimleck, L., Sullivan, B., Dean, J.F., and **Gandhi**, K.J.K. 2011. Using resin and wood properties to provide a model explaining behavioral responses of *Sirex noctilio* to southeastern pine species. North American Forest Insect Work Conference, Portland, Oregon, 9-12 May 2011.
106. §**Gandhi**, K.J.K., [†]Dinkins, J.E., Riggins, J.J., Schimleck, L., Sullivan, B., and Dean, J.F. 2011. Behavioral responses of the European woodwasp, *Sirex noctilio*, on southeastern pine species. Annual Meeting of the Entomological Society of America, Reno, Nevada, 12-15 Nov. 2011.
107. §**Gandhi**, K.J.K., [†]Dinkins, J.E., Riggins, J.J., Schimleck, L., Sullivan, B., Dean, J.F., Zylstra, K.E., and Mastro, V. 2011. Colonization preferences of the European woodwasp, *Sirex noctilio*, on southeastern pine species. Interagency Research Forum on Exotic Insects, Annapolis, Maryland, 11-14 Jan. 2011.
108. §**Gandhi**, K.J.K., Smith, A., Hartzler, D.M., and Herms, D.A. 2011. Impacts of EAB-induced ash mortality on native forest arthropods. 11th National Emerald Ash Borer Conference, Wooster, Ohio, 11-13 Oct. 2011.
109. §[†]Jones, C., Hanula, J., **Gandhi**, K.J.K., and Braman, K. 2011. Assessing the establishment of predator beetles released to control hemlock woolly adelgid in north Georgia. North American Forest Insect Work Conference, Portland, Oregon, 9-12 May 2011.
110. [†]Lee, N., Coyle, D.R., [†]Burke, J., [†]Staebe, J., and **Gandhi**, K.J.K. 2011. Cerambycidae and Buprestidae species in pine, mixed, and hardwood forest-types. Young Scholar Program Poster Conference, 6 July 2011.
111. §[†]Mech, A.M., Rhea, J.R., Hanula, J.L., Fraedrich, S.W., Teskey, R.O., and **Gandhi**, K.J.K. 2011. Pests, pathogens, and predators Oh My: Factors influencing eastern hemlock health in the Chattahoochee National Forest, Georgia. North American Forest Insect Work Conference, Portland, Oregon, 9-12 May 2011.
112. §Meeker, J., Johnson, R.W., Bruce, B., Steiner, C.A., Shepherd, W., Sullivan, B., Barnes, B., and **Gandhi**, K.J.K. 2011. Ineffectiveness of the *Sirex* lure to attract native *Sirex* in Louisiana. North American Forest Insect Work Conference, Portland, Oregon, 9-12 May 2011.
113. §Miller, D.R., Crowe, C.M., [†]Barnes, B.F., **Gandhi**, K.J.K., and Duerr, D.A. 2011. Attaching lures to funnel traps for saproxylic beetles: inside or outside funnels? North American Forest Insect Work Conference, Portland, Oregon, 9-12 May 2011.
114. §Miller, D.R., Crowe, C.M., [†]Barnes, B.F., **Gandhi**, K.J.K., and Duerr, D.A. 2011. Attaching lures to funnel traps for saproxylic beetles: inside or outside funnels? Interagency Research Forum on Exotic Insects, Annapolis, Maryland, 11-14 Jan. 2011.
115. §[†]Staebe, J., Ayres, M., Nowak, J., and **Gandhi**, K.J.K. 2011. Semiochemical influence of bark beetles and host monoterpene on insect community associates. North American Forest Insect Work Conference, Portland, Oregon, 9-12 May 2011.
116. Stanosz, G.R., Smith, D.R., Sullivan, J., [†]Mech, A., **Gandhi**, K.J.K., Dalusky, M.J., Mayfield, A.E., and Fraedrich, S.W. 2011. Shoot blight caused by *Sirococcus tsugae* on eastern hemlock (*Tsuga canadensis*) in the north Georgia mountains. 2011 Southwide Forest Disease Workshop, Quincy, Florida, 7-10 Feb. 2011.
117. [†]Barnes, B.F., Asaro, C., Johnson, W., Meeker, J.R., Miller, D.R., and **Gandhi**, K.J.K. 2010. An assessment of the distribution and biology of native Siricidae and associated

- hymenopteran parasitoid species in the southeastern USA. Southern Forest Insect Work Conference, Wilmington, North Carolina, 20-23 July 2010.
118. †Barnes, B., Asaro, C., Meeker, J.R., Miller, D.R., Johnson, W., and **Gandhi**, K.J.K., 2010. Distribution and biology of native woodwasps and their hymenopteran parasitoid species in southern U.S. forests. Entomological Society of America, Southeastern Branch Meeting, Atlanta, Georgia, 7-10 March 2010.
 119. §†Barnes, B., Miller, D.R., Asaro, C., Johnson, W., Meeker, J.R., and **Gandhi**, K.J.K., 2010. An assessment of the distribution of native woodwasps and their parasitoids in southeastern U.S.A. 21st Interagency Research Forum on Exotic Insects, Annapolis, Maryland, 12-15 Jan. 2010.
 120. †Brownell, K.A., Miller, D.R., and **Gandhi**, K.J.K. 2010. Flight patterns of pine engraver beetles (*Ips* spp.) in the piedmont region of Georgia. Southern Forest Insect Work Conference, Wilmington, North Carolina, 20-23 July 2010.
 121. †Brownell, K.A., Miller, D.R., and **Gandhi**, K.J.K. 2010. Flight patterns for pine engraver beetles (*Ips* spp.) in northeastern Georgia. Entomological Society of America, Southeastern Branch Meeting, Atlanta, Georgia, 7-10 March 2010.
 122. †Burke, J.L., Hanula, J.L., Horn, S., Fraedrich, S.W., and **Gandhi**, K.J.K. 2010. Efficacy of two insecticides to prevent bark beetle attacks on loblolly pines in Georgia. Southern Forest Insect Work Conference, Wilmington, North Carolina, 20-23 July 2010.
 123. †Burke, J.L., Milanovich, J.R., Maerz, J.C., **Gandhi**, K.J.K. 2010. Responses of soil oribatid mites (Acari: Oribatida) to invasive earthworms in a hardwood forest. Entomological Society of America, Southeastern Branch Meeting, Atlanta, Georgia, 7-10 March 2010.
 124. †Dinkins, J., Riggins, J., Mastro, V., Zylstra, K.E., and **Gandhi**, K.J.K. 2010. Behavioral and antennal responses of the European woodwasp (*Sirex noctilio*) to southern pine species. Entomological Society of America, Southeastern Branch Meeting, Atlanta, Georgia, 7-10 March 2010.
 125. §Dinkins, J., Riggins, J., Mastro, V., Zylstra, K.E., and **Gandhi**, K.J.K. 2010. Behavioral responses of the European woodwasp to southern pine species. 21st Interagency Research Forum on Exotic Insects, Annapolis, Maryland, 12-15 Jan. 2010.
 126. §**Gandhi**, K.J.K., †Dinkins, J., Riggins, J.J., Zylstra, K., and Mastro, V.C. 2010. Behavioral responses of the European woodwasp, *Sirex noctilio*, to southern pine species. Annual Meeting of the Entomological Society of America, San Diego, California, 12-15 Dec. 2010.
 127. §Knight, K.S., Herms, D.A., Cardina, J., Long, R.P., **Gandhi**, K.J.K., and Herms, C.P. 2010. Emerald ash borer aftermath forests: the future of ash ecosystems. 21st Interagency Research Forum on Exotic Insects, Annapolis, Maryland, 12-15 Jan. 2010.
 128. §Mech, A.E., Jones, C.E., Rhea, J.R., Hanula, J.L., Teskey, R.O., and **Gandhi**, K.J.K. 2010. Status of hemlock woolly adelgid biological control beetles in the southernmost range of hemlocks. USDA Forest Service, Fifth Hemlock Woolly Adelgid Symposium, Asheville, North Carolina, 17-19 Aug. 2010.
 129. †Mech, A.M., Rhea, J.R., Hanula, J.L., and **Gandhi**, K.J.K. 2010. Effects of beetle predator species on hemlock woolly adelgid in the southern Appalachian Mountains of Georgia, USA. Southern Forest Insect Work Conference, Wilmington, North Carolina, 20-23 July 2010.

130. Miller, D.R., Crowe, C.M., †Barnes, B.F., **Gandhi**, K.J.K., and Duerr, D.A. 2010. Attaching lures to multiple funnel traps: Inside or outside funnels? Southern Forest Insect Work Conference, Wilmington, North Carolina, 20-23 July 2010.
131. †Staeben, J., Johnson, J., Nibblink, N., Nowak, J., and **Gandhi**, K.J.K. 2010. An evaluation of southern pine beetle and the cost-share prevention program in Georgia. Entomological Society of America, Southeastern Branch Meeting, Atlanta, Georgia, 7-10 March 2010.
132. †Staeben, J., Nowak, J., Johnson, J., Nibbelink, N., and **Gandhi**, K.J.K. 2010. A brief evaluation of the current southern pine beetle hazard map. Southern Forest Insect Work Conference, Wilmington, North Carolina, 20-23 July 2010.
133. §†Burke, J., Milanovich, J.R., Maerz, J.C., and **Gandhi**, K.J.K. 2009. Responses of soil microarthropods to invasion by exotic earthworms in hardwood-dominated stands of New York. Annual Meeting of the Entomological Society of America, Indianapolis, Illinois, 13-16 Dec. 2009.
134. †Burke, J., Milanovich, J.R., Maerz, J.C., and **Gandhi**, K.J.K. 2009. Effects of exotic earthworms on oribatid mites in hardwood stands of New York. Southern Forest Insect Work Conference, Gulfport, Mississippi, 28-31 July 2009.
135. Costilow, K.C., Knight, K.S., Herms, D.A., and **Gandhi**, K.J.K. 2009. Emerald ash borer on traps in relation to visual signs of infestation. Ohio State University Denman Undergraduate Research Forum, Columbus, Ohio, 13 May 2009.
136. Costilow, K.C., Knight, K.S., Herms, D.A., and **Gandhi**, K.J.K. 2009. Emerald ash borer on traps in relation to visual signs of infestation. Ohio State University Buckeye Ecologist Symposium, Columbus, Ohio, 16 Jan. 2009.
137. **Gandhi**, K.J.K., Riggins, J.J., and Mastro, V. 2009. Responses of the European woodwasp to southern pine species. Southern Forest Insect Work Conference, Gulfport, Mississippi, 28-31 July 2009.
138. §**Gandhi**, K.J.K., Ulyshen, M.D., and Horn, S. 2009. Survivorship of saproxylic beetles in prescribed-burned loblolly pine stands in Georgia. Annual Meeting of the Entomological Society of America, Indianapolis, Illinois, 13-16 Dec. 2009.
139. Knight, K.S., Herms, D.A., Cardina, J., Long, R.P., Rebbeck, J., Herms, C.P., **Gandhi**, K.J.K., Smith, A., Costilow, K.C., Long, L.C., Smith, S.K., and Cappaert, D.L. 2009. Effects of emerald ash borer (*Agrilus planipennis*) on forest ecosystems. Second Ecological Landscaping Conference: enhancing self-reliance and resilience of cities, Cleveland, Ohio, 1-2 Dec. 2009.
140. §Knight, K.S., Long, R.P., Rebbeck, J., Herms, D.A., Cardina, J., Herms, C.P., **Gandhi**, K.J.K., Smith, A., Costilow, K.C., Long, L.C., and Cappaert, D.L. 2009. Effects of emerald ash borer (*Agrilus planipennis*) on forest ecosystems. 20th USDA Interagency Research Forum on Invasive Species, Annapolis, Maryland, 13-16 Jan. 2009.
141. §Knight, K.S., Long, R.P., Rebbeck, J., Herms, D.A., Cardina, J., Herms, C.P., Klooster, W., **Gandhi**, K.J.K., Smith, A., Costilow, K., Long, L., Smith, S.K., Flower, C. Cappaert, D.L. 2009. Effects of emerald ash borer (*Agrilus planipennis*) on forest ecosystems in North America. 94th Annual Meeting of the Ecological Society of America, 4 Aug. 2009.
142. §Knight, K.S., Long, R.P., Rebbeck, J., Herms, D.A., Cardina, J., Herms, C.P., Klooster, W., **Gandhi**, K.J.K., Smith, A., Costilow, K., Long, L., Smith, S.K., Cappaert, D.L. 2009. Effects of emerald ash borer (*Agrilus planipennis*) on forest

- ecosystems in North America. Odum Conference 2009, Understanding and managing biological invasions as dynamics processed: integrating information across space and time, Albany, New York, 30 April-1 May 2009.
143. Ulyshen, M.D., Horn, S., and **Gandhi**, K.J.K. 2009. Survivorship of saproxylic beetles in prescribed-burned loblolly pine stands in Georgia. Southern Forest Insect Work Conference, Gulfport, Mississippi, 28-31 July 2009.
 144. Klooster, W., Herms, C.P., Knight, K., **Gandhi**, K.J.K., Smith, A., Herms, D.A., and Cardina, J. 2008. Native and invasive plants in the seedling layer of forests affected by emerald ash borer. 2008 North Central Weed Science Society Meeting, Indianapolis, 8-11 Dec. 2008.
 145. §Knight, K.S., Rebeck, J., Bogard, D.A., and **Gandhi**, K.J.K. 2008. A living laboratory at Dempsey wetlands: Forest ecology and emerald ash borer (*Agrilus planipennis*) research by middle school students. Ecological Society of America Conference, Milwaukee, Wisconsin, 6 Aug. 2008.
 146. Knight, K.S., Long, R.P., Rebeck, J., Smith, A., **Gandhi**, K.J.K., and Herms, D.A. 2008. Ash mortality in forests infested by emerald ash borer (*Agrilus planipennis*). Oak Openings Research Forum, Toledo, Ohio, 26 Jan. 2008.
 147. §**Gandhi**, K.J.K., Gilmore, D.W., Mielke, M., and Seybold, S.J. 2004. Use of prescribed fire as a management tool for enhancing pyrophilous beetle populations in the sub-boreal coniferous forests of Minnesota. USDA-Forest Service- Forest Health Monitoring Meeting, Sedona, Arizona, 10-12 Feb. 2004.
 148. §**Gandhi**, K.J.K., Gilmore, D.W., Katovich, S.A., Mattson, W.J., and Seybold, S.J. 2003. *Monochamus* spp. (Coleoptera: Cerambycidae) as primary colonizers of live jack pines (*Pinus banksiana*). USDA-Forest Service- Forest Health Monitoring Meeting, Monterey, California.
 149. **Gandhi**, K.J.K., Anderson, P. Gilmore, D.W., Haack, R.A., Mattson, W.J., Zasada, J.C., and Seybold, S.J. 2003. Sub-boreal beetles in wind- disturbed and prescribed-burned forests. Joint Fire Science Program Principal Investigator Workshop, Phoenix, Arizona. 11-13 March 2003.
 150. **Gandhi**, K.J.K., Anderson, P. Gilmore, D.W., Haack, R.A., Mattson, W.J., Zasada, J.C., and Seybold, S.J. 2003. Sub-boreal beetles in wind- disturbed and prescribed-burned forests. Great Lakes Silviculture Summit, Houghton, Michigan, 22-23 April 2003.
 151. **Gandhi**, K.J.K., Gilmore, D.W., Katovich, S.A., Mattson, W.J., and Seybold, S.J. 2002. Cerambycid beetles as primary colonizers of live jack pines. North Central Forest Pest Workshop, Potosi, Missouri.
 152. **Gandhi**, K.J.K., Anderson, P. Gilmore, D.W., Haack, R.A., Mattson, W.J., Zasada, J.C., and Seybold, S.J. 2002. Sub-boreal beetles in wind disturbed and managed forests. Research Review: Forest Systems of the Upper Midwest, University of Minnesota, USDA Forest Service, and the Minnesota Forest Resources Council, Cloquet, Minnesota.
 153. §**Gandhi**, K.J.K., Anderson, P. Gilmore, D.W., Haack, R.A., Mattson, W.J., Zasada, J.C., and Seybold, S.J. 2002. Sub-boreal beetles in wind disturbed and managed forests. USDA-Forest Service- Forest Health Monitoring Meeting, New Orleans, Louisiana, 28-30 Jan. 2003.

154. §**Gandhi**, K.J.K., Anderson, P.J., Gilmore D.W., Haack, R.A., Mattson, W.J., Zasada, J.C., and Seybold S.J. 2001. Responses of sub-boreal beetles to a severe windstorm event and silvicultural practices in northeastern Minnesota. North American Forest Insect Work Conference, Edmonton, Alberta, 14-18 May 2001.
155. **Gandhi**, K.J.K., Anderson, P. Gilmore, D.W., Haack, R.A., Mattson, W.J., Zasada, J.C., and Seybold, S.J. 2001. Sub-boreal beetles in wind disturbed and managed forests. North Central Forest Pest Workshop, Big Bay, Michigan, 1-4 Oct. 2001.
156. **Gandhi**, K.J.K., Anderson, P.J., Gilmore, D.W., Haack, R., Mattson, W., Seybold, S. J., and Zasada, J.C. 2001. Responses of sub-boreal beetles to a severe wind-disturbance event and silvicultural activities in Minnesota. Annual Meeting of the Minnesota Forestry Association, Minnesota.
157. §**Gandhi**, K.J.K., Anderson, P.J., Gilmore, D.W., Haack, R., Mattson, W., Seybold, S. J., and Zasada, J.C. 2000. Response of boreal beetles to a severe windstorm event and subsequent fuel reduction activity in northern Minnesota. Entomological Society of America. Montreal, Quebec.
158. †Jacobs, J., **Gandhi**, K.J.K., and Spence, J.R. 1998. Biodiversity of subalpine saproxylic beetles in the northwest Rocky Mountains: Are fire skips important refuges for old growth saproxylic beetle species? Entomological Society of Alberta, Kananaskis, Alberta, 1998.

C. Grants Activity

External Grants Awarded

1. **Gandhi**, K.J.K., Bullock, B., and Johnson, D. 2020. Regional assessment of catastrophic wind damage (RACD): Development of sampling protocols and impacts on ground-dwelling arthropods and tree physiology. USDA Forest Service, Southern Research Station, Joint Venture Agreement. Awarded: \$470,000.
2. **Gandhi**, K.J.K. 2020. Assessing the impacts of, and risks posed by, severe wind disturbances in southern US forests. USDA Forest Service, Southern Research Station, Joint Venture Agreement. Awarded: \$320,000.
3. **Gandhi**, K.J.K., and Sullivan, B.T. 2020. Enhancing the monitoring of southern pine beetle using 4-allylanisole (4AA) as a lure component. USDA Forest Service, Forest Health Protection. Awarded: \$75,000.
4. **Gandhi**, K.J.K., McCarty, E., and Villari, C. 2020. Southern Pine Health Research Cooperative, Private companies and USDA Forest Service. Awarded: \$135,000.
5. **Gandhi**, K.J.K. 2020. The 2020 Oak commodity Farm Bill survey, Georgia Department of Agriculture. Awarded: \$20,669.
6. **Gandhi**, K.J.K. 2020. Early detection and monitoring of exotic bark and wood-boring beetle species in Georgia: Year 2020 Work Plan. The Georgia Department of Agriculture. Awarded: \$16,923.
7. Klapwijk, M. J., Lyytikäinen-Saarenmaa, P., Kantona, Tuula., Malm, M., Økland, B., Liebhold, A., Pureswaran, D., Mech, A., **Gandhi**, K., and Kirichenko, N. 2019. Biogeographic analysis of historical forest insect invasions and host associations. Nordic Forest Research - SNS - 124. Awarded: 349,000 SEK. Working Group Member.
8. Hufbauer, R., Ayres, M., Herms, D., Maco, S., **Gandhi**, K.J.K., Havill, N., Liebhold, A., Marsico, T., Schulz, A., Mech, A., Raffa, K., Thomas, K., and Tobin, P. 2019.

- Forecasting high-impact insect invasions by integrating probability models with i-Tree from urban to continental scales. USDA Forest Service, National Urban and Community Forestry Challenge Cost-share Grant Program. Awarded: \$280,806. Working Group Member.
9. **Gandhi, K.J.K., Benton, E., and Villari, C.** 2019. Southern Pine Health Research Cooperative, Private companies and USDA Forest Service. Awarded: \$70,000.
 10. **Gandhi, K.J.K., and Martin, J.A.** 2019. Effects of landscape-level characteristics on wild bee pollinator populations and communities in managed forests. National Council for Air and Stream Improvement (NCASI). Awarded: \$108,752.
 11. **Gandhi, K.J.K., and Montes, C.** 2019. Release and recovery of EAB parasitoids. USDA-APHIS-PPQ. Awarded: \$35,000.
 12. **Gandhi, K.J.K., and McCarty, E.** 2019. Bark beetles in windthrown pine forests. Private Forest Company. Awarded: \$83,312.
 13. **Gandhi, K.J.K.** 2019. The 2019 Oak commodity Farm Bill survey, Georgia Department of Agriculture. Awarded: \$16,923.
 14. **Gandhi, K.J.K.** 2019. Early detection and monitoring of exotic bark and wood-boring beetle species in Georgia: Year 2019 Work Plan. The Georgia Department of Agriculture. Awarded: \$16,923.
 15. Fortuin, C., and **Gandhi, K.J.K.** 2018. Effects of imidacloprid soil drench applications on nesting blue orchard mason bees (*Osmia lignaria*). USDA Southern Region SARE Graduate Student Grant. Awarded: \$16,490.
 16. **Gandhi, K.J.K., Benton, E., and Villari, C.** 2018. Southern Pine Health Research Cooperative, Private companies and USDA Forest Service. Awarded: \$60,000.
 17. **Gandhi, K.J.K.** 2018. The 2018 Oak commodity Farm Bill survey, Georgia Department of Agriculture. Awarded: \$22,210.
 18. **Gandhi, K.J.K.** 2018. Interactions between *Ips* beetles, associated fungi and mites, and longleaf pines under a frequent fire regime. Joseph Jones Ecological Research Center. Awarded: \$53,933.
 19. **Gandhi, K.J.K.** 2018. Early detection and monitoring of exotic bark and wood-boring beetle species in Georgia: Year 2018 Work Plan. The Georgia Department of Agriculture. Awarded: \$16,923.
 20. **Gandhi, K.J.K.** 2017. Early detection and monitoring of exotic bark and wood-boring beetle species in Georgia: Year 2017 Work Plan. The Georgia Department of Agriculture. Awarded: \$16,923.
 21. **Gandhi, K.J.K., and Merkle, S.** 2017. Development and testing of putative EAB-resistant ash embryogenic cultures. USDA Forest Service, Special Technology and Development Program. Awarded: \$124,995.
 22. **Gandhi, K.J.K.** 2017. Effects of prescribe fire on *Ips* beetle outbreak dynamics in loblolly pine forests. USDA Forest Service, Forest Health Protection. Awarded: \$25,000.
 23. **Gandhi, K.J.K., Morris, L.A., and Villari, C.** 2017. Environmental effects on *Ips* beetle outbreaks in the Oconee Ranger District, Georgia. USDA Forest Service, Chattahoochee National Forest. Awarded: \$22,633.
 24. **Gandhi, K.J.K., and Livingston, W.H.** 2017. White pine health in eastern timberlands (WHIET) Work Conference. USDA-AFRI Foundation Grant. Awarded: \$25,000.
 25. **Gandhi, K.J.K., Martin, J.A.** 2017. Synthesis and meta-analysis of the interactions

- between insect pollinators and forest management practices in North America. National Council for Air and Stream Improvement (NCASI). Awarded: \$40,000.
26. Dahlen, J., and **Gandhi**, K.J.K. 2017. Resin canal frequency and tracheid properties in southern pine trees undergoing decline. USDA Forest Service, Forest Products Laboratory, Cooperative Agreement. Awarded: \$50,000.
 27. **Gandhi**, K.J.K., and Villari, C. 2016. Interactions between forest insect pests and management practices in the southeastern U.S. McIntire-Stennis Program. Approved: \$201,046.
 28. Fortuin, C., and **Gandhi**, K.J.K. 2016. Multidisciplinary approach to conserving native pollinator communities in rights-of-way. 2016 EPA STAR-Award. Awarded: \$51,000.
 29. Dahlen, J., and **Gandhi**, K.J.K. 2016. Associations between southern pine decline and wood quality. USDA Forest Service, Forest Products Laboratory, Cooperative Agreement. Awarded: \$33,000.
 30. **Gandhi**, K.J.K. 2016. Examining the life-cycle of an emerging insect pest (*Matsucoccus macrocicatrices*) on the phenomena of eastern white pine damage and dieback. USDA Forest Service, Southern Research Station, Challenge Cost Share Grant. Awarded: \$30,000.
 31. Thomas, K., Marsico, T.D., Herms, D.A., and Tobin, P.C. (Participating as a Workgroup Member on the grant). 2015. Predicting the next insect mega-invasion: Elucidating factors that facilitate invasions by herbivorous insects on North American native plants. USGS Powell Research Center Working Group Grant.
 32. **Gandhi**, K.J.K. 2015. Restoration of fire-suppressed longleaf pines with implications for bark beetle communities. Joseph Jones Ecological Research Center. Awarded: \$22,568.
 33. **Gandhi**, K.J.K. 2015. Improving the prediction and monitoring of population levels of southern pine beetle. USDA Forest Service, Forest Health Protection Grant. Awarded: \$77,000.
 34. **Gandhi**, K.J.K. 2015. Species complex of root-feeding beetles and *Leptographium* spp. in healthy and unhealthy pine stands. USDA Forest Service, Southern Research Station Cooperative Agreement. Awarded: \$25,000.
 35. **Gandhi**, K.J.K. 2015. Early detection and monitoring of exotic bark and wood-boring beetle species in Georgia: Year 2015 Work Plan. The Georgia Department of Agriculture. Awarded: \$16,923.
 36. Schulz, A., and **Gandhi**, K.J.K. 2014. Monitoring the dieback of eastern white pine (*Pinus strobus*) in the southern Appalachian Mountains. Sigma Xi, Grants-in-Aid of Research. Awarded: \$500.
 37. **Gandhi**, K.J.K. 2014. The 2014 survey of exotic bark and woodboring beetles in Georgia. The Georgia Department of Agriculture. Awarded: \$18,937.
 38. **Gandhi**, K.J.K. 2013. Analyses of abiotic and biotic factors affecting pine health in the southeastern U.S. USDA Forest Service, Forest Health Protection. Awarded: \$41,000.
 39. **Gandhi**, K.J.K. 2013. Monitoring the health and effects of a scale/pathogen complex on eastern white pines in the southern Appalachians. USDA Forest Service, Forest Health Protection, Evaluation Monitoring Grant. Awarded: \$94,230.

40. **Gandhi, K.J.K. and Lucardi, R.D.** 2013. Exploration of multiple potential factors contributing to eastern white pine dieback in the U.S.: pathogenic fungal complexes and recently discovered white pine scale. USDA Forest Service Cooperative Agreement. Awarded: \$74,920.
41. **Gandhi, K.J.K.** 2013. The 2013 survey of exotic bark and woodboring beetles in Georgia. The Georgia Department of Agriculture. Awarded: \$19,187.
42. **Gandhi, K.J.K.** 2013. Ecology of bark beetles in longleaf pine forests in southern Georgia. Joseph W. Jones Center. Awarded: \$17,459.
43. **Gandhi, K.J.K.** 2013. Completion of data analysis and publication of manuscripts on optimal nutrition, nutrient efficiency, and production of short-rotation woody crops for bioenergy. USDA Forest Service, Savannah River Site, Challenge Cost-share Grant. Awarded: \$74,686.
44. **Gandhi, K.J.K.** 2012. Evaluating pine health issues and associated insects and diseases in the southeastern U.S. forests. USDA Forest Service, Forest Health Protection, Evaluation Monitoring Grants. Awarded: \$138,000.
45. **Gandhi, K.J.K.** 2012. Early detection and monitoring of exotic bark and wood-boring beetle species in Georgia: Year 2012 Work Plan. The Georgia Department of Agriculture. Awarded: \$12,430.
46. **Gandhi, K.J.K.** 2011. Extent, severity, and types of threats to the health and resiliency of pine forests in the South. USDA Forest Service, Southern Research Station, Cooperative Agreement. Awarded: \$158,226.
47. **Gandhi, K.J.K.** 2011. Interactions between hemlock woolly adelgid and tip blight, hemlock trees, and heat stress in the southern Appalachian Mountains. USDA Forest Service, Forest Health Protection. Awarded: \$70,000.
48. **Gandhi, K.J.K., and Sullivan, B.** 2011. Development of trapping techniques for monitoring populations of hymenopteran parasitoids of *Sirex noctilio* in southern pine stands. USDA Forest Service, Special Technology Development Program. Awarded: \$76,961.
49. **Gandhi, K.J.K.** 2011. The early detection and monitoring program for exotic bark beetles in Georgia. USDA Forest Service, Forest Health Protection. Awarded: \$15,000.
50. **Gandhi, K.J.K.** 2011. Early detection and monitoring of exotic bark and wood-boring beetle species in Georgia: Year 2011 Work Plan. The Georgia Department of Agriculture. Awarded: \$15,619.
51. **Gandhi, K.J.K.** 2011. Management and ecology of economically important bark and woodboring insects in southern forest stands. McIntire-Stennis Program, \$375,604.
52. **Gandhi, K.J.K.** 2010. Southern pine beetle: evaluation of current prevention and management practices, and population levels in southeastern forests. USDA Forest Service, Forest Health and Protection. Awarded: \$179,000.
53. **Gandhi, K.J.K.** 2010. Early detection and rapid response program for exotic bark beetles in Georgia. USDA Forest Service, Forest Health and Protection. Awarded: \$18,995.
54. **Gandhi, K.J.K.** 2010. Early detection and monitoring of exotic bark and wood-boring beetle species in Georgia: Year 2010 Work Plan. Georgia Department of Agriculture. Awarded: \$20,516.

55. **Gandhi, K.J.K.** 2009. An assessment of the effects of three beetle predator species on hemlock woolly adelgid in forests of southeastern USA. USDA Forest Service, Forest Health and Protection. Awarded: \$62,454.
56. **Gandhi, K.J.K., and Miller, D.R.** 2009. An assessment of the distribution and biology of native Siricidae and associated hymenopteran parasitoid species in southeastern U.S.A. USDA Forest Service Research and Technology Development Grant to Improve Management and Detection of *Sirex noctilio*. Awarded: \$75,000.
57. **Gandhi, K.J.K., and Hanula, J.** 2009. Interactions between prescribed-burning, bark and woodboring insects, fungi, and southern pine tree species in Georgia. USDA-Forest Service, Southern Research Station, Cooperative Agreement. Awarded: \$41,978.
58. **Gandhi, K.J.K., and Riggins, J.** 2009. Development of host preference-risk assessment maps for Eurasian woodwasp (*Sirex noctilio*) on southern conifer species. USDA-Forest Service, Forest Health Monitoring, Special Technology Development Program. Awarded: \$178,394.
59. **Gandhi, K.J.K.** 2009. Early detection and monitoring of exotic bark and wood-boring beetle species in Georgia. Georgia Department of Agriculture. Awarded: \$20,542.
60. **Gandhi, K.J.K., and Epstein, M.E.** 2005. An assessment of change in the ground beetle community at the Twin Cities Army Ammunition Plant after a quarter century. Minnesota Department of Natural Resources. Awarded: \$6,250, contract. At the University of Minnesota.
61. Gilmore, D.W., Seybold, S.J., and **Gandhi, K.J.K.** 2003. Prescribed fire as a management tool for enhancing pyrophilous beetle populations in sub-boreal coniferous forests of Minnesota. USDA-Forest Service-Forest Health Protection Fire Evaluation Monitoring Grant. Awarded: \$14,000. Major contributor and writer of the grant. At the University of Minnesota.
62. Seybold, S.J., Gilmore, D.W., and **Gandhi, K.J.K.** 2001. Prescribed fire as a management tool for curbing potential epidemics of bark beetles and woodborers in a forest blowdown. USDA-Forest Service-Forest Health Protection Fire Evaluation Monitoring Grant. Awarded: \$77,425. Major contributor and writer of the grant. At the University of Minnesota.
63. **Gandhi, K.J.K.** 1995-96. Aquatic arthropod biodiversity of coastal montane ecosystems. British Columbia Ministry of Forests, Canada. Awarded: ~\$24,000 CAN, contract. At the University of Alberta.

University of Georgia Internal Grants

1. Drake, J., **Gandhi, K.J.K.**, Welch-Devine, M., Bledsoe, B., Shepherd, M., Seymour, L., and Marty, E. 2021. Disasters colliding: the epidemiology of severe weather events. Interdisciplinary Research Pre-Seed Program, University of Georgia. Awarded: \$3,500.
2. **Gandhi, K.J.K.**, Dickens, D., Hoyt, R., Li, Y., McCarty, E., Montes, C., Peterson, C., Villari, C., and Wurzbarger, N. 2020. Catastrophic wind disturbances in natural and urban forests – patterns, processes, impacts, and management. Interdisciplinary Research Pre-Seed Program, University of Georgia. Awarded: \$4,250.
3. Dahlen, J., Wilde, S., Villari, C., **Gandhi, K.J.K.**, and Shelton, J. 2018. Warnell School Instructional Equipment Funds. Awarded: \$6,473.

4. Travel funds to present at the 2018 ESA-ESC meeting in Vancouver, Canada. FY18 Provost International Travel Funds, University of Georgia. Awarded: \$1,756.
5. Travel funds to present at the 2017 IUFRO Regional Congress in Freiburg, Germany. FY17 Provost International Travel Funds, University of Georgia. Awarded: \$2,000.
6. Travel funds to present at the 2016 IUFRO Regional Congress for Asia and Oceania, Beijing, China. FY17 Provost International Travel Funds, University of Georgia. Awarded: \$2,000.
7. 2016 Internal Faculty Grant, Office of Vice President for Research, University of Georgia. Awarded: \$16,978.
8. Travel funds to present at the 2014 European Congress of Entomology, York, Great Britain. Foreign Travel Funds, Office of Vice President for Research, University of Georgia. Awarded: \$1,764.
9. Enhancing and digitizing the forest pest and pathogen collection at the University of Georgia. The 2013 Innovative Instruction Faculty Grants, University of Georgia. Awarded: \$5,000.
10. Travel funds to present at the 2013 Annual Meeting of the Entomological Society of Canada. UGA Provost Travel Funds. Awarded: \$1,295.
11. Travel funds to present at the 2012 Annual Meeting of the Ecological Society of America. UGA Provost Travel Funds. Awarded: \$991.
12. Travel funds to present at the 2011 Annual Meeting of the Entomological Society of America. UGA Provost Travel Funds. Awarded: \$842.

D. Recognition and Outstanding Achievements (Awards, Honors, Fellowships, Training)

1. 2020-2021, Aspire Leadership Fellow Program, University of Georgia.
2. 2019, Institute for Georgia Environmental Leadership, declined.
3. 2018 Summer Leadership Institute Training, University of Georgia.
4. 2016 Outstanding Research and Development Award, Southeastern Society of American Foresters (SESAP).
5. 2016-2017 Sarah Moss Fellowship, Center for Teaching and Learning, University of Georgia. Awarded: \$10,000.
6. 2015-2017, Entomological Society of America, Science Policy Fellow, \$1,000.
7. 2015-2016, Writing Fellows Program, Center for Teaching and Learning, University of Georgia, \$1,000.
8. 2013, Recognized by UGA graduate as a person contributing greatly to their career development and success, UGA Career Center, University of Georgia.
9. 2011-2013, Lilly Teaching Fellowship, Center for Teaching and Learning, University of Georgia, \$2,000.
10. 2009, Research Fellow, Office of the Vice President for Research, University of Georgia, \$1,500.
11. 2007, Critical Difference for Professional Women Grant, The Ohio State University, \$500.
12. 2004-2005, Doctoral Dissertation Graduate School Fellowship, University of Minnesota. \$16,000 nine-month salary, tuition and health insurance.
13. 2004-2005, Doctoral Dissertation Graduate School Research Award, University of Minnesota, \$2,500.

14. 2004-2005, Dayton Natural History Fund of the Bell Museum of Natural History, University of Minnesota, \$600.
15. 2003-2004, Alexander P. and Lydia Anderson Graduate School Fellowship, University of Minnesota, \$3,000 for summer stipend and \$2,900 for field-supplies.
16. 2003-2004, Dayton Natural History Fund of the Bell Museum of Natural History, University of Minnesota, \$600.
17. 2003-2004, Excellence in Mid-career Graduate Student Award, Department of Entomology, University of Minnesota, \$1,000.
18. 2003-2004, Sigma Xi Grants-in-Aid of Research Award, Sigma Xi Scientific Research Society, \$500.
19. 2003-2004, Graduate School Block Grant, University of Minnesota, \$350.
20. 2002-2003, Carolyn M. Crosby Graduate School Fellowship, University of Minnesota, \$2,900.
21. 2002-2003, Dayton Natural History Fund of the Bell Museum of Natural History, University of Minnesota, \$900.
22. 2002-2003, Sigma Xi Grants-in-Aid of Research Award, Sigma Xi Scientific Research Society, \$300.
23. 2002-2003, Graduate School Block Grant, University of Minnesota, \$300.
24. 2001-2002, Dayton Natural History Fund of the Bell Museum of Natural History, University of Minnesota, \$900.
25. 2001-2002, Graduate School Block Grant, University of Minnesota, \$400.
26. 2000-2000, Regents' Scholarship, University of Minnesota, \$9,000.
27. 1998-1999, Pansy and George Strange Graduate School Scholarship, University of Alberta, \$1,000 CAN. Canada.
28. 1998, Entomological Society of Alberta Graduate Student Travel Award, \$50 CAN. Declined. Canada.
29. 1993-1994, Summer Research Fellow, Banaras Hindu University, 2,000 Rupees. India.
30. 1993-1994, Undergraduate Student Award & Full-fee Waiver, University of Delhi, 2000 Rupees. India.
31. 1993-1994, Summer Research Fellow, Indian Institute of Science, 4,000 Rupees. Declined. India.
32. 1992-1993, Annual Merit University Award, Annual Merit College Award, Undergraduate Student Award, University of Delhi, 7,000 Rupees. India.
33. 1992-1993, Third Prize for University of Delhi Science Quiz, 1,000 Rupees. India.
34. 1992-1993, Summer Research Fellow, Indian Institute of Science, 4,000 Rupees. India.

E. Media Recognition

- Interview on National Public Radio (NPR) on everyday insects and critters, 2020.
- TRAG paper highlighted in *Science*, 2020;
<https://www.sciencemag.org/news/2020/05/deadly-imports-one-us-forest-25-tree-deaths-caused-foreign-pests-and-disease>.
- Georgia Broadcasting Public Service, Videos on forest health, 2020.
- Interviews for the paper on predicting next mega-invasion by exotic insects – Cottage Life (Canada): <https://cottage.life.com/general/which-invasives-threaten-coniferous-forests-scientists-can-now-predict/>; Scientific American, 2019:

<https://www.scientificamerican.com/article/can-we-identify-invasive-species-before-they-invade/>.

- Interview for The Associated Press related to recent declines in insects, 2018.
- ESA Media Expert, 2017.
- Positively affected students in their careers, 2016.
- Article on the 2016 Young Scholar student was published in Athens Banner Herald, 2016.
- Featured research project in The Log, alumni newsletter for Warnell School of Forestry, 2015.
- Press release for the pine health project, 2015.
- Press release for emerald ash borer in Georgia Urban Agriculture Council (UAC) magazine, 2015.
- Paper on emerald ash borer cited in New York Times in a special feature on invasive insects, June 2014.
- Athens Banner Herald, UGA Feature, 2014.
- Press release for emerald ash borer at UGA. Interviewed by local newspapers and radio stations, 2013.
- Featured Faculty in Focus at the University of Georgia website, 2013.
- Image of conducting emerald ash borer- induced ash tree mortality surveys published in a book on forestry, 2011.
- Press Release in Spring 2011 for moth species defoliating oaks in Georgia. This Press Release was widely cited across the state and nationally in newspapers, radio, and pest reports.
- Featured Faculty in the University of Georgia faculty/staff newspaper, April, 2011.
- Press Release for exotic ambrosia beetles at UGA. This Press Release was picked up by Channel 11 News, Public Broadcasting Atlanta, and Augusta Chronicle Newspaper. We also made the front-page of UGA at the end of March 2010.
- Featured Entomologist in the publication- “The Ruff Guide to Science” for the FETCH! Game for K-12 students by the Public Broadcasting Station, 2008.
- Minnesota Department of Natural Resources, Insect and Disease Newsletter, 2006.
- Article in *BioScience* 53: 624-629 about Ph.D. research; Minnesota Department of Natural Resources, Insect and Disease Newsletter; Cook County Star Newspaper, Grand Marais, 2003.
- Cook County Star Newspaper, Grand Marais, 2000.

F. Use of Collected Data in Other Journal Articles & Outreach

- List of arthropods associated with ash trees from Gandhi and Herms (2010) was requested multiple times from various U.S. and Canadian state/province and federal agencies.
- Two graphs from Gandhi et al. (2008) and Silverman et al. (2008) were republished in a paper in *Terrestrial Arthropod Reviews* (2011, 4: 63-94).
- Data from Gandhi et al. (2001) was used in meta-analysis in a paper in *Ecology* (2003, 84: 3376-3383).

4. PUBLIC SERVICE

A. Reviewer for Grant Proposals

- 2020, National Science Foundation, Panelist.

- 2020, BiodivERsA, review of proposal submitted to the Biodiversity and Climate Change or BiodivClim Program, European Union.
- 2020, McIntire-Stennis Funds, University of Georgia.
- 2019, NERC, UK.
- 2019, NSERC Canada.
- 2017, McIntire-Stennis Funds, Texas A&M University.
- 2017, National Science Foundation, Panelist.
- 2016-2017, Reviewer for Textbook Transformation Grants, University System of Georgia.
- 2016, National Science Foundation, Panelist, 2 Panels.
- 2015, Internal reviewer for a Hatch Project, Department of Horticulture, University of Georgia.
- 2014, Reviewer of the SEEDS: OARDC Research Enhancement Competitive Grants Program, The Ohio State University.
- 2014, Reviewer of proposals for the Marsden Fund, The Royal Society of New Zealand.
- 2014, Panel Member of the 2014 USDA AFRI Competitive Grants for Higher Education Challenge.
- 2014, Reviewer for the Office for Vice President for Instruction, Summer Innovative Technology Faculty Grants, University of Georgia.
- 2013, Panel Member of the 2013 USDA AFRI Competitive Grants for Higher Education Challenge.
- 2012, Reviewer for proposals submitted to Fonds de recherche du Québec – Société et culture, Government of Quebec, Canada.
- 2010, *Ad-hoc* Reviewer for the 2010 National Science Foundation Grant Program, Centers of Research Excellence in Science and Technology (CREST) and Historically Black Colleges and Universities (HBCU), Research Infrastructure for Science and Engineering (RISE), Forest Ecosystems.
- 2009, Panel Member of the 2009 USDA Cooperative State Research, Education, and Extension Service (CSREES) Competitive Grants- Managed Ecosystem Program.

B. Reviewer for Competitive Research Journals and Book Chapters (number of papers reviewed)

- 2020: *Ecosystem* (1), *Forest Science* (1), *Journal of Applied Ecology* (1), *Society and Natural Resources* (1), *Scientific Reports* (1)
- 2019: *Agriculture and Forest Entomology* (1), *Ecological Applications* (1), *Experimental Forest Landscapes* (chapter in a book) (1).
- 2018: *Agriculture and Forest Entomology* (1), *Ecosphere* (1), *Environmental Entomology* (1), *Forest Ecology and Management* (1), *Journal of Insect Behavior* (1), *Journal of the Entomological Society of British Columbia* (1)
- 2017: *Biological Invasions* (1), *Journal of Economic Entomology* (1), *Forest Science* (1), *Oecologia* (1)
- 2016: *Biological Invasions* (1), *Ecology and Evolution* (1), *Environmental Entomology* (1), *Frontiers in Ecology and the Environment* (1), *Great Lakes Entomologist* (1), *Natural Areas Journal* (1), *New Zealand Journal of Forest Science* (1)
- 2015: *Agricultural and Forest Entomology* (2), *Environmental Entomology* (1), *Biocontrol Science and Technology* (1), *Biological Invasions* (1), *Forest Ecology and Management* (1)

- 2014: *Annals of the Entomological Society of America* (1), *Biological Control* (1), *Current Zoology* (1), *Entomological News* (1), *Frontiers in Ecology and Environment* (1), *Journal of Economic Entomology* (1), *Journal of Insect Science* (1), *Journal of Forestry* (1), *New Forests* (1), *Oecologia* (1)
- 2013: *Canadian Entomologist* (1), *Ecography* (1), *Environmental Entomology* (2), *Forest Ecology and Management* (1), *Journal of the Entomological Society of British Columbia* (1), *Journal of Mountain Science* (1), *PLOS One* (1), *Southeastern Naturalist* (1), *The Great Lakes Entomologist* (1), *Tree Physiology* (1)
- 2012: *Biological Invasions* (1), *Ecological Modeling* (1), *Forest Ecology and Management* (1), *International Journal of Pest Management* (1), *The Great Lakes Entomologist* (1)
- 2011: *Ecological Monographs* (1), *Forest Ecology and Management* (1), *Journal of Economic Entomology* (2), *Southeastern Naturalist* (1), *Canadian Journal of Forest Research* (1), *Zookeys* (2), *Environmental Entomology* (1), *Terrestrial Arthropod Reviews* (1), *The Great Lakes Entomologist* (1)
- 2010: Cain et al. *Ecology of Natural Resources, Chapter on Food Webs*, *Canadian Journal of Forest Research* (2), *Forest Ecology and Management* (2)
- 2009: *Biodiversity and Conservation* (1), *Biological Conservation* (1), *Ecography* (1), *Florida Entomologist* (1), *Forest Ecology and Management* (1), *Insect Science* (1), *The Canadian Entomologist* (1), *The Great Lakes Entomologist* (1)

C. Editorial Responsibilities

Subject Editor for Journal

Journal of Economic Entomology, 2019-present

The Canadian Entomologist, 2019-2020

Forests, 2016-2018

Journal of Insect Science, 2011-2012

Editorial Board Member

Journal of Economic Entomology, 2020-present

Guest Editor for Journal

Forest Ecology and Management, 2017-2018

D. Reviewer for Programs & Scientists

- 2020, Purdue University, Promotion and Tenure Review
- 2020, Warnell School, Advocate for Promotion and Tenure Packages - Two
- 2019, University of Minnesota, Promotion Review
- 2018, Program Reviewer, USDA Forest Service, Forest Health Protection
- 2018, Research Scientist Review, National Research Foundation, South Africa
- 2017, USDA Forest Service Entomologist, 5-year Review
- 2016, USDA Forest Service Entomologist, 5-year Review
- 2015, Warnell School, Advocate for Promotion and Tenure Package
- 2015, Indiana and Purdue University, Fort Wayne, Promotion and Tenure Review
- 2012, USDA Forest Service Pathologist, 5-year Review
- 2011, USDA Forest Service Entomologist, 5-year Review

E. Committee Work for Scientific Meetings

- Co-organized two-day virtual workshop on catastrophic wind disturbances in collaboration with the Jones Center at Ichauway, 2020.
- Co-organized a session on conifer ecosystem health at the Annual Convention of the Society of American Foresters, 2020.
- Hosted the 2018 USDA-AFRI-White Pine Health in Eastern Timberlands or WHIET Workshop & USDA-NIFA-Multistate White Pine Health Meeting on 6-9 February 2018 at the Whitehall Forest, Athens, Georgia.
- Co-hosted two meetings for the Southern Pine Health Research Cooperative in 6 March and 3 October 2018 at the Whitehall Forest, Athens, Georgia.
- Participated in the invited-only session on Grand Challenges in Entomology, Joint meeting of the Entomological Society of America, Entomological Society of Canada, and Entomological Society of British Columbia, 9-10 Nov. 2018, Vancouver, Canada.
- Co-organized a session on climate change and bark beetles for the 2018 Joint meeting of the Entomological Society of America, Entomological Society of Canada, and Entomological Society of British Columbia, 11-14 Nov. 2018, Vancouver, Canada.
- Organized a session on ecological framework for forest health at the Southern Forest Insect Work Conference, July 2018, San Antonio, Texas.
- Assisted with creating Diversity Statements for Southern Forest Insect Work Conference and Western Forest Insect Work Conference, 2017.
- Co-organizer for the session on southern pine beetle at the 2017 Southern Forest Insect Work Conference, Melbourne, Florida.
- Co-organizer for the plenary session on Grand Challenges in Forest Health at the 2017 Southern Forest Insect Work Conference, Melbourne, Florida.
- Panel member for the session on “Tri-trophic Interactions: government, university, and private landowner collaborations” at the 2017 Southern Forest Insect Work Conference (SFIWC), Melbourne, Florida.
- Co-organizer for a session on invasive pests at the 2017 IUFRO Anniversary Conference, Freiburg, Germany.
- Hosted and co-organized the Fourth International Carabidology Conference in Sept 2016 at the University of Georgia, Athens.
- Panel member for a symposium on women in forest entomology at the 2016 North American Forest Insect Work Conference, Washington, DC.
- Co-organized and moderated a symposium on national forest health curriculum at the 2016 North American Forest Insect Work Conference, Washington, DC.
- Co-organized and moderated a symposium on interactions of insects in coupled human-natural ecosystems at the 2016 North American Forest Insect Work Conference, Washington, DC.
- Co-organized a symposium on insect chemical ecology for the 2016 International Congress of Entomology Meeting, Nov 2016, Orlando, Florida.
- Co-organized a *Sirex* symposium at the Southern Forest Insect Work Conference, July 2015, Fayetteville, Arkansas.
- Program Chair for the Annual Meeting of the Southern Forest Insect Work Conference, July 2014, Charleston, South Carolina.
- Co-organized a symposium for Emerald Ash Borer for landowners, foresters, city council, and general public with Georgia Forestry Commission and Georgia Department of Agriculture, November 2013, Gwinnett, Georgia.

- Co-organized a symposium on essential global leadership skills for entomologists for the 2012 (November) Annual Meeting of the Entomological Society of America.
- Co-organized and hosted the 2012 Pine Tip Moth Meeting by the Forest Pest Management Cooperative at Flinchum's Phoenix, Warnell School of Forestry, Athens, Georgia.
- Co-organized and moderated a symposium on interactions of disturbances with forest insects at the 2011 North American Forest Insect Work Conference, Portland, Oregon.
- Program Committee Member for the 2011 North American Forest Insect Work Conference, Portland, Oregon, 2009-2011.
- Organized and moderated a symposium on southern siricids at the Southern Forest Insect Work Conference, July 2010, Wilmington, North Carolina, 2010.
- Selected to be Entomological Society of America, Strategies for Ecology Education, Development, and Sustainability (ESA-SEEDS) Mentor 2010 (declined due to schedule conflicts)
- Symposium Moderator, Annual Meeting of the Entomological Society of America, 2005-2006.

F. Committee Work for Scientific Organizations

- Chair, Working Group D1: Forest Health and Genetics, Society of American Foresters, 2021.
- International Union of Forestry Organizations (IUFRO), Coordinator of the Division 8.02, 2020-present.
- International Union of Forestry Organizations (IUFRO), Deputy Officer of the Division 8.02, 2016-2019.
- Vice-Chair, Working Group D1: Forest Health and Genetics, Society of American Foresters, 2020.
- Working Group Member, D1: Forest Health and Genetics, Society of American Foresters, 2019.
- Entomological Society of America, Media Expert on specific issues, 2018-present.
- Chair-elect, USDA-NIFA Multistate Project on Eastern White Pine Health, 2017-present.
- Chair of the Resolution Committee of the Southern Forest Insect Work Conference, 2015-present.
- Chair, Roger Anderson Award for outstanding student in forest entomology by the Southern Forest Insect Work Conference, 2019.
- Counselor, Southern Forest Insect Work Conference, 2015-2019.
- Served on the A.D. Hopkins Award Committee to select the Outstanding Forest Entomologist in the South by the Southern Forest Insect Work Conference, 2010-2013, 2015.
- Served on Roger Anderson Award for outstanding student in forest entomology by the Southern Forest Insect Work Conference, 2012 & 2015.
- Member of the Georgia Invasive Species Task Force, a consortium between the University of Georgia, Georgia Forestry Commission, and Georgia Department of Agriculture, 2009-onwards.
- Member of the Cooperative Pest Survey (CAPS) committee for the state of Georgia, 2008-onwards.
- Served on the USDA Panel for Defining Sustainable Forests, 2013.
- Board Member on the Georgia Urban Forest Council, 2010-2013.

- Serve on the panel to review and provide input on the Forest Health section of the State Forest Assessment by the Georgia Forestry Commission, 2010.
- Chair, Common Names Committee, Entomological Society of America, 2008.
- At-large Member, International Affairs Committee, Entomological Society of America, 2005-2008.
- Vice-Chair, Common Names Committee, Entomological Society of America, 2007.
- Common Names Committee, Entomological Society of America, 2005-2006.
- Co-organized sessions at the A Bug's World for students K to 12, Ohio State University, Wooster, 2007.
- Assisted with 1998, Choices: Science conferences for Grade 6 and 12 girls. Women in Science, Engineering, Science and Technology, University of Alberta, Edmonton.

G. Committee Work for the University of Georgia

- Member of the Third-year Review Committee, Warnell School, 2020.
- UGA Campus Pollinator Committee, 2019-present.
- Member of the Greenhouse Committee, Warnell School, 2019-present.
- Chair of the Research Coordination and Review Committee, Warnell School, 2016-present.
- Member of the Seminar Committee, Warnell School, 2017-present.
- Member of the Graduate Affairs Committee, Warnell School, 2016-present.
- Member of the Post-tenure Review Committee, Warnell School, 2016-2017.
- Co-chair of the Search Committee for a faculty position in Forest Health, Warnell School, 2015.
- Member of the Administrative Committee, Warnell School, 2015-2016.
- Member of the Promotion and Tenure Revision Committee, Warnell School, 2015.
- Chair and member of the Third-year Review Committee, Warnell School, 2015.
- Member of the Standing Committee on Staff Awards, Warnell School, 2012-2015.
- Member of the Standing Committee on Lands, Warnell School, 2011-2015.
- Member of the Standing Committee on Safety, Warnell School, 2011-2015.
- Member of the Standing Committee for Staff Awards, Warnell School, 2015-2016.
- Member of the Search Committee for an Assistant Professor in Forest Pathology, Warnell School, 2014-2016.
- Served on the Student Awards Committee, Warnell School, 2014.
- Member of the Search Committee for the Grants Coordinator Position, Warnell School, 2014.
- Member of the Search Committee for Associate Dean in Research, Warnell School, 2013-2014.
- Member of the Search Committee for an Assistant/Associate Professor in Biometrics, Warnell School, 2013-2014.
- Elected Member of the University Council, August 2013-onwards.
- Member of the Human Resources Committee, University Council Standing Committee, August 2013-onwards.
- Member of the Search Committee for an Assistant Professor in Wood Properties, Warnell School, 2011-2012.

H. Judge for the Student Presentations

- Judge for the Warnell Graduate Student Symposium, 2012-2019 (each year).
- Judge for the ESA Student Transition or Early Professional (STEP) Extension Award, 2016-2018.
- Judge for the 2015 Young Scholar Symposium, University of Georgia, 2015.
- Reader for the papers submitted to the 36th Georgia Junior Science and Humanities Symposium, 2012.
- Judge for student posters at the 2011 North American Forest Insect Work Conference, Portland, Oregon, 2011.
- Reader for the papers submitted to the 36th Georgia Junior Science and Humanities Symposium, 2011.
- Judge for the 2010 Warnell Graduate Student Symposium, 2010.
- Reader for the papers submitted to the 35th Georgia Junior Science and Humanities Symposium, 2010.
- Judge for the 2009 Warnell Graduate Student Symposium, 2009.
- Reader for the papers submitted to the 34th Georgia Junior Science and Humanities Symposium, 2009.
- Science Fair Judge, St. Catherine High School, Edmonton, 1999.

I. Leadership Activities

- 2020, Co-creator/facilitator of the P4 (Pine Pandemic Preparedness) Plan.
- 2020, Co-creator/facilitator of the National Working Group on Catastrophic Wind Disturbances (NCWD).
- 2019, Co-creator and Director of the Southern Pine Health Research Cooperative.

J. Miscellaneous Activities

- Invited Working member of the Idea Café “In search of fresh, tractable solutions to the wicked problem of destructive, non-native forest pathogens” for the 2020 Annual Meeting of the American Phytopathological Society.
- Attended “Community of Care” Training Workshop, University of Georgia, August 2020.
- Assisted with submitting several inputs to the 2020 USDA Agriculture Innovation Agenda.
- Working Group Member, Tree Resistance Advocacy Group (TRAG), 2018-present.

K. Society Memberships

Entomological Society of America, Society of American Foresters

L. Forest Health Diagnostic Work and Assistance

- 2020 - arthropods associated with ash trees; insects on oak trees; large-scale pine tree dieback; wilting needles on longleaf pines; shortleaf pine restoration; emerald ash borer identification; pollinator friendly plants; loblolly pine dieback; wood pattern; dying spruce tree; pine dieback; answered questions on bark beetles and pine dieback; pine tree dieback; sap-sucking insects on pine tree.
- 2019 - pine trees affected by hurricane; ash arthropods; pine decline issue; ambrosia beetle; impacts of thinning on pine trees; oak trees under prescribe fire; bark beetle galleries on pines; 4-H forest health collection; damage on longleaf pines; dieback on eastern white pine; tuliptree borer moth; beetles emerging from western pines;

- insect/pathogen identification on hardwoods; oak decline; leaf beetle damage; orange-striped oakworms; longleaf pines in orchard; young pine trees in hurricane-damaged areas.
- 2018 - treating hemlock trees; fusiform rust; needle disease issues; bagworm identification; caterpillars on hardwood trees; beech aphids; army-worm; cankers; pine sawflies; 4-H forest health collection.
 - 2017 - tip moth damage; Ips beetle outbreaks; clerid beetles under the bark; pine bark beetles; carpenter bee management; boring beetles on oak trees; hypoxylon canker on poplars; wasps in houses; caterpillars on oak trees.
 - 2016 - Assistance with HWA predators; identification of a hemipteran; insecticide issues with hemlock trees; loblolly pine tree dieback and mortality in Georgia and Alabama; management of aphids; black turpentine beetle management; emerald ash borer-infested trees; *Ips typographus* in Europe; caterpillars on oaks; tip moth issues; questions about ecological impacts of exotic species.
 - 2015 - restoration of longleaf pines and mortality of slash pines; pine health issues in various sites in western Georgia; Dutch elm disease outreach; shortleaf pine dieback; hardwood cerambycid beetles; multiple emails/specimens about various oak galls; visit and sample pine health sites with industry; loblolly pines in orchards; exotic bostrichid beetles in New York; azalea caterpillars; multiple emails about oak caterpillars; orange-striped oakworms; pitch canker on slash pines; EAB and insecticide use; various pine health issues in Georgia and Alabama.
 - 2014 - termites in pine mulch; farming insects; trapping of ambrosia beetles; insects/diseases affecting slash pines; bostrichid beetles intercepted at ports in Peru; leaf spot on maple; fungi on oaks; many emails related to caterpillars on oak trees; Leland cypress dieback; blisters on beech trees; galls on oak tree; spiny oakworms; multiple emails about woodboring insects on hardwoods; woodboring beetles on pine trees and logs; treatment for bagworms; declining and dying pine trees in East Athens; insecticides to protect ash arthropods; aphids on pine seedlings; EAB infestations.
 - 2013 - deodar weevil on experimental plots, insects on longleaf pines; oak caterpillars; cankers on apple trees; bark beetle damage on apple trees; pine dieback in Dominican Republic; emerald ash borer on trees; galls on oak trees, pine weevils in Europe; sycamore tree dieback; growth on oak trees; many emails related to orange-striped oakworm outbreak; borers on hickory tree; root rot prevention; many emails and phone-calls related to emerald ash borer diagnosis and management issues; spider mites on rosemary bushes; fungal diseases on oaks; moth species infesting a home; diagnosis of insects attacking wood; beetles attacking pine trees in experimental set-up; many oak trees dying on private property; insect on flowering cherry tree.
 - 2012 - Diagnosed and provided management recommendations for oak caterpillars; centipedes in house; pales weevil issue, declining ash tree on campus; striped orange oakworms; pine sawyer beetle.
 - 2011 - Diagnosed problems and answered questions related to annosum root disease, Ips beetle outbreaks, hundreds of emails and phone-calls related to oak caterpillars in spring and late summer, damage on Magnolia tree, woodboring beetles on lumber, pine sawfly infestation, detection of pinewood nematode, hickory bark beetle, willow weevils, beech woodboring insects, emerald ash borer in urban areas, white pine decline in Georgia.
 - 2010 - Diagnosed problems and answered questions related to insecticide treatments for pine webworm, native woodwasp, brown spot needle blight on longleaf pine, ground

beetles in Minnesota, caterpillars under oak trees, forest tent caterpillar, kudzu bug, woodboring beetle of elm trees, oak mortality problem, scarab beetles, Chinese arthropods, caterpillars defoliating oak trees in Athens area, oak galls infesting trees, pine beetle infestation, woodwasp biology from a California Company, cause of dying deodar cedar, agents of damage to pine trees, and facilitated writing of an article by a science journalist

- 2009 - Diagnosed problems and answered questions related to family-level identification of larval specimens feeding on trees, species identification of a billbug (turf grass weevil), pine bark adelgid on white pine, identification of a moth species found in a container from South America, treatment options for emerald ash borer in Minnesota, health problem of an urban elm tree, assisted with bark beetle identifications for Walter Reeves, a TV and Radio Host in Atlanta, and assessed the accuracy of forest entomology and pathology questions for the 2009 SAF National Quiz Bowl.
- 2008- Assisted with identification of an urban insect and bark beetles from GFC.

M. Other Miscellaneous Activities

- 2009-present, Nursery Supervisor, Warnell School of Forestry and Natural Resources.
- 2011-present, Owner of Technu Scientific Consulting Services for Forest Health issues.