Berry J. Brosi

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Professional Positions

University of Washington
Department of Biology
2020— Associate Professor

Emory University
Department of Environmental Sciences
2016–2020 Associate Professor
2010–2016 Assistant Professor

Georgia Institute of Technology *(Georgia Tech)*
2016– Adjunct Professor, Department of Biology

New York Botanical Garden
2000–2002 Research Associate, Institute of Economic Botany

Postgraduate Training

2007–2009 **Post-Doctoral Fellow, Stanford University**
Department of Biology; *Supervisor:* Gretchen Daily

Education

2002–2006 **PhD, Stanford University**
Department of Biology; *Advisor:* Gretchen Daily

1998–2000 **MSc, Yale University**
School of Forestry & Environmental Studies

1992–1996 **BA, Wesleyan University** *(with honors)*
double major in Biology and Studio Arts

Honors & Awards

2021— **IUCN Wild Bee Specialist Group**
(named as an initial member of the International Union for the Conservation of Nature's group on wild bee conservation; particular service on the policy section)

2019 **Emory College Award for Undergraduate Advising**
(Given "in recognition of an exceptional role in the advising and mentoring of Emory College undergraduate students" Sole recipient at Commencement 2019)

2016–2019 **Winship Distinguished Research Professorship**, Emory University College of Arts and Sciences
(Three-year award for faculty "demonstrating singular accomplishments in research"; sole recipient in the division of Mathematics and Natural Sciences in 2016; award carried additional salary and research funding)

2014–2015 **Lead Author, IPBES** (Intergovernmental Platform on Biodiversity and Ecosystem Services) Thematic assessment of pollinators, pollination and food production
(One of five assessment lead authors from the US, out of 75 total)

2010 **Yale-Stanford Junior Faculty Forum** (Environmental Law category)
(One of two selected papers from a national competition among junior faculty; co-recipient with Eric Biber of UC-Berkeley)

2004–2005 **Teresa Heinz Scholar for Environmental Research**

2004 **Stanford Excellence in Teaching Award**

2002–2005 **Anne M. and Robert T. Bass Stanford Graduate Fellowship** in Science and Engineering

1998–2000 **Doris Duke Conservation Fellow**, Yale University

1999 **Doris Duke/Yale Tropical Resources Institute Fellowship**, Yale University

1995 **The Arndt-Dana Grant**, Wesleyan University

1992–1996 **Jackson Scholarship; McKenna Scholarship; Hedden Scholarship**, Wesleyan University

Research Funding

> $4.8 million in federal research funding (>$3M directs), from NSF, NIH, USDA, ARO, and DARPA

CURRENT RESEARCH SUPPORT

2019–2024 US Army Research Office, Multidisciplinary University Research Initiative (MURI)
Networked PalYnology Models of Pollen and Human Systems (NYMPHS)
T. Grubesic (Project Director, U. Texas), B. Brosi, S. Jha, E. Bienenstock, J. Miller, S. Tong (co-PIs)
$1,596,436 subcontract to Brosi lab (UW subaward); $197,917.00 subcontract to Brosi lab (Emory subaward, completed); $6.25M total

2018–2021 National Science Foundation, Population and Community Ecology Program
RAPID: re-wiring of montane pollination networks under severe drought stress
B. Brosi (Project Director), F. Valdovinos.
$154,909 to the Brosi lab (Emory); $199,291 total
plus three competitive supplements (INTERN, ROA, and REU) totalling **$57,623**

GRANTS IN REVIEW

National Science Foundation, Population and Community Ecology Program
Timescale-dependent effects of transient dynamics in plant-pollinator networks
F. Valdovinos (Project Director, UC Davis), B. Brosi, M. Novak (Oregon State),
submitted for review 31 March 2021
$354,543 requested UW budget

CURRENT TRAINEE-FOCUSED GRANTS

2021–2022 North American Pollinator Protection Campaign
Bee gut microbiome changes and pathogen prevalence after exposure to agricultural antibiotics
B. Brosi (Project Director), L. Avila-Segura (co-PI)
$9,563; Full budget to Brosi lab (Emory) for Avila-Segura research expenses

2020–2021 Eva Crane Foundation
Antibiotics used in agriculture: potential impacts on bee microbiomes, bee fitness, and crop pollination
B. Brosi (Project Director), L. Avila-Segura (co-PI)
$62,554; Full budget to Brosi lab (Emory) for Avila-Segura research expenses

2020–2022 USDA Southern IPM Center
Antibiotics used in orchards: impact on bee health and crop pollination
B. Brosi (Project Director), L. Avila-Segura (co-PI)
$29,993; Full budget to Brosi lab (Emory) for Avila-Segura research expenses

2020–2021 Eastern Apicultural Society
The effects of broadcast-spray antibiotics on honey bees
B. Brosi (Project Director), L. Avila-Segura (co-PI)
$9,971; Full budget to Brosi lab (Emory) for Avila-Segura research expenses

COMPLETED RESEARCH SUPPORT

2018–2020 US Army Research Office, Broad Agency Announcement (BAA)
Quantitative DNA Metabarcoding of Pollen
B. Brosi (Project Director), K. Bell, T. Read (co-PIs)
$570,686; Full budget to Brosi & Read labs (Emory)

2018–2019 Defense Advanced Research Projects Agency (DARPA)
A novel method of pollen transformation
B. Karas (Project Director, University of Western Ontario), K. Szczyglowski, B. Brosi, T. Read, K. Bell (co-PIs)
$149,000 to Brosi & Read labs (Emory); $500,000 total

2013–2019 US National Institutes of Health, Institute of General Medical Sciences (NIGMS)
NSF–NIH Ecology and Evolution of Infectious Disease (EEID) program
US-UK Collab: Understanding the effects of spatial structure on the evolution of virulence in the real world: honey bees and their destructive parasites
J. de Roode (Project Director, Emory University), B. Brosi, M. Boots, K. Delaplane (co-PIs)
$830,385 to de Roode & Brosi labs (Emory); $1.7M total

2018–2019 US Army Research Office, Defense University Research Instrumentation Program (DURIP)
Equipment for the Quantitative DNA Metabarcoding of Pollen
B. Brosi (Project Director and sole PI)
$56,247; Full budget to Brosi lab; 100% direct costs

2012–2017 US Department of Agriculture, Agriculture and Food Research Initiative (AFRI)
Evaluating the sustainability of bioenergy production in the Southeast on the basis of wildlife and pollinator responses across spatial scales
R. Fletcher (Project Director, University of Florida), B. Brosi, L. Smith, H. Ober (co-PIs)
$167,085 subcontract to Brosi lab (Emory); $496,996 total

2013–2017 US Army Research Office, Broad Agency Announcement (BAA)
Development of Mixed-Sample DNA Barcoding of Pollen
B. Brosi (Project Director), Kevin Burgess, Tim Read (co-PIs)
$448,896; full budget to Brosi lab (Emory)

2011–2015 US National Science Foundation, Population and Community Ecology program
Pollinator Diversity and Foraging Specialization
B. Brosi (Project Director and sole PI)
$500,000; full budget to Brosi lab (Emory)

2011–2015 US Department of Agriculture, Agriculture and Food Research Initiative (AFRI)
Managing Varroa *virulence in honey bees: transmission, virulence, and gene expression*
B. Brosi (Project Director), K. Delaplane and J. De Roode (co-PIs)
$275,580 to Brosi & de Roode labs (Emory); $490,900 total

2013–2014 US Army Research Office, Defense University Research Instrumentation Program (DURIP)
Equipment for the Development of Mixed-Sample DNA Barcoding of Pollen
B. Brosi (Project Director & sole PI)
$139,896; (100% direct costs) full budget to Brosi lab (Emory)

2007–2009 Moore Family Foundation
Sustaining bee communities and pollination services in agricultural landscapes
G. Daily (Project Director) & B. Brosi (co-PI)
$100,000; Full budget to Daily lab for Brosi salary and project costs (Stanford)

COMPLETED SUPPLEMENTARY RESEARCH SUPPORT

2015–2017 US National Science Foundation, Doctoral Dissertation Improvement Grant (DDIG)
Dissertation Research: The effect of cognitive disturbance on functionally relevant plastic behavioral responses
B. Brosi (Project Director), C. Ayers (graduate student co-investigator)
$20,252; Full budget to Brosi lab

2012–2015 US National Science Foundation, Population and Community Ecology program
REU Supplements to Pollinator Diversity and Foraging Specialization
(one REU supplement in each of four years)
$26,250 to Emory across the four supplements

2012–2013 North American Pollinator Protection Campaign, Honey Bee Health Grants
Honey hydrogen peroxide: Diet effects and use as a colony stress indicator

B. Brosi (Project Director), Lydia McCormick (Emory undergraduate co-investigator), Keith Delaplane (co-PIs)
$3,365; Full budget to Emory

Publications

supervised graduate student and post-doc names indicated in **bold**; supervised undergraduate students indicated in *italics*; trainees from other labs predicated by †.

ARTICLES IN REVIEW AND REVISION

82. **Loy X**, **Brosi BJ**. *In Revision.* The effects of pollinator diversity on pollination function. *Ecology*.

81. **McDermott D**, †Hoffman D, *Lodise A*, **Brosi BJ**. *In Revision.* Misleading social cues strengthen memory of floral characteristics in bumble bees. *Behavioral Ecology*

80. †Jones GM, **Brosi BJ**, Evans JM, †Gottlieb IGW, **Loy X**, †Núñez-Regueiro MM, Ober HK, Pienaar E, Pillay R, Pisarello K, Smith L, Fletcher RJ. *In Revision.* Conserving alpha- and beta-diversity in wood production landscapes. *Conservation Biology*.

79. **Avila L**, *Dunne E*, †Hofmann D, **Brosi BJ**. *In Review.* Dietary antibiotic exposure impacts bumble bee learning and foraging.

78. **Morrison B**, Dirzo R, **Brosi BJ**. *In Review.* Plant-pollinator interaction linkage rules are altered by agricultural intensification.

77. †Manzanedo RD, †John A, †Sethi M, Theobald E, **Brosi BJ** Jenkins J, *Kloss-Schmidt A*, Lia E, Schiffer A, *Sevigny J*, Wilson A, Yogev Y, Hille Ris Lambers J. *In Review.* MeadoWatch: a long-term community-science database of wildflower phenology in Mount Rainier National Park.

PUBLISHED ARTICLES

76. Bell KL, MacPherson JM, Cutler A, Dobbs E, Reas TD, Burgess KD, **Brosi BJ**. *In Press.* Comparing whole genome shotgun sequencing and DNA metabarcoding approaches for species identification and quantification of pollen species mixtures. *Ecology and Evolution.*

75. *Endres K*, **Morozumi C**, **Loy X**, †Briggs H, CaraDonna P, Iller A, †Picklum D, **Brosi BJ**. *In Press.* Plant-Pollinator Interaction Niche Broadens in Response to Severe Drought Perturbations. *Oecologia*.
    - highlighted as "featured student research" in *Oecologia*, undergraduate first author

74. Inouye BD, **Brosi BJ**, †Le Sage EH, Lerdau MT. *In Press.* Trade-offs among resilience, robustness, and performance and how we might study them. *Integrative and Comparative Biology (manuscript resulted from NSF Re-Integrating Biology workshop)*

73. †Helderop E, Bienenstock EA, Grubesic AH, Miller JA, Tong D, **Brosi BJ**, Jha S. 2021. Network-Based Geoforensics: Connecting Pollen and Plants to Place. *Ecological Informatics* 66: 101443.

72. †Cervantes-Loreto A, **Ayers C**, Dobbs E, **Brosi BJ**, Stouffer D. 2021. The context dependency of pollinator interference: how environmental conditions and co-foraging species impact floral visitation. *Ecology Letters* 24(7): 1443-1454.

71. Tong D, Grubesic AH, Mu W, Miller JA, †Helderop E, Jha S, **Brosi BJ**, Bienenstock EA. 2021. Identifying the Spatial Footprint of Pollen Distributions Using the Geoforensic Interdiction (GOFIND) Model. *Computers, Environment and Urban Systems* 87: 101615.

70. †Bartlett LJ, Boots M, **Brosi BJ**, de Roode JC, Delaplane KS, Hernandez CA, Wilfert L. 2021. Long-term effects of origin and management history on honeybee colony viromes. *Journal of Invertebrate Pathology* 179: 107520.

69. †Jones G, Smith L, †Gottlieb IGW, Ober H, **Brosi BJ**, Fletcher RJ. 2020. Herpetofaunal responses to intensification of woody bioenergy production in a global biodiversity hotspot. *Forest Ecology & Management* 477: 118493.

68. Ober H, †Jones G, †Gottlieb IGW, Johnson S, Smith L, **Brosi BJ**, Fletcher RJ. 2020. Bat community response to intensification of biomass production for bioenergy across the southeastern United States. *Ecological Applications* 30(7): e02155.

67. **Morrison B**, Dirzo R, **Brosi BJ**. 2020. Agricultural intensification drives changes in hybrid network robustness by modifying network structure. *Ecology Letters* 23: 359-369.

66. **Loy X**, **Gruenewald DL**, †Gottlieb IGW, Dobbs EK, *Miljanic AS*, *Botsch JS*, *Lawley B*, Ober H, Smith L, Fletcher, RJ, **Brosi BJ**. 2020. The impact of bioenergy pine plantation management practices on bee communities. *Journal of Applied Ecology* 57:952–962.

65. **Dynes TL**, Berry J, Delaplane K, **Brosi BJ**, de Roode JC. 2020. Assessing virulence of *Varroa destructor* mites from different honey bee management regimes. *Apidologie* 51: 276-289.

64. Chase JM, Liebergesell M, … **Brosi BJ**, … . (>35 authors). 2019. FragSAD: A meta-database of diversity and species abundance distributions from habitat fragmentation studies. *Ecology* 100(12): e02861.

63. **Briggs HM**, **Ayers CA**, Armsworth PR, **Brosi BJ**. 2019. Not all interactions are positive: testing how antagonistic interactions impact the robustness of plant-pollinator networks. *Journal of Pollination Ecology* 25(7): 69-77.

62. †Barlett LJ, †Rozins C, **Brosi BJ**, Delaplane KS, de Roode JC, White AR, Wilfert L, Boots M. 2019. Industrial bees: when agricultural intensification doesn't impact local disease prevalence. *Journal of Applied Ecology* 56: 2195–2205.

61. †Guagliardo SA, Lee Y, †Pierce A, Wong J, Chu YY, Morrison AC, Astete H, **Brosi BJ**, Vazquez-Prokopec G, Scott TW, Kitron U, Stoddard ST. 2019. The genetic structure of *Aedes aegypti* populations is driven by boat traffic in the Peruvian Amazon. *PLoS Neglected Tropical Diseases* 13(9): e0007552.

60. **Dynes TL**, Berry J, Delaplane K, **Brosi BJ**, de Roode, JC. 2019. Reduced density and visually complex apiaries reduce parasite load and promote honey production and overwintering survival in honey bees. *PLoS ONE* 14(5): e0216286.

59. **Bell KL**, Burgess KS, Dobbs EK, *Botsch JC*, Read TD, **Brosi BJ**. 2019. Quantitative and qualitative and assessment of pollen DNA metabarcoding using constructed species mixtures. *Molecular Ecology* 28:431–455

58. Hodges CL, Delaplane KS, **Brosi BJ**. 2019. Textured hive interiors increase honey bee propolis hoarding behavior. *Journal of Economic Entomology* 112(2): 986–990.

57. *Miljanic AS*, **Loy X**, **Gruenewald DL**, Dobbs EK, †Gottlieb IGW, Fletcher RJ, **Brosi BJ**. 2018. Bee Communities and Biofuel Production: Interactive Effects of Local-Level Management and Landscape Context. *Landscape Ecology* https://doi.org/10.1007/s10980-018-0651-y

56. **Ayers CA**, **Brosi BJ**, Armsworth PR. 2018. Statistically testing the role of individual learning and decision-making in trapline foraging behavior: a spatially explicit, individual-based null model approach. *Behavioral Ecology* 29(4): 885–893.

55. †Lucas A, Bodger O, **Brosi BJ**, Ford C, Forman D, Greig C, Hegarty M, Neyland P, de Vere N. 2018. DNA metabarcoding reveals the role of Hoverflies (Syrphidae) in pollen transport in grasslands. *Journal of Animal Ecology* 87:1008–1021.

54. †Lucas A, Bodger O, **Brosi BJ**, Ford C, Forman D, Greig C, Hegarty M, Neyland P, de Vere N. 2018. Floral resource partitioning by individuals within generalised hoverfly pollination networks revealed by DNA metabarcoding. *Scientific Reports* 8: 5133,

53. †Rossetti B, **Dynes T**, †Zhang X, **Brosi BJ**, de Roode JC, Kong J. 2018. GRAPHITE: A Graphical Environment for Scalable Video Tracking of Animal Movement. *Methods in Ecology and Evolution* 9: 956–964.

52. †Lichtenberg E, †Mendenhall C, **Brosi BJ**. 2017. Diet breadth impacts tropical bee species' sensitivity to forest loss. *Journal of Animal Ecology* 86:1404–1416.

51. **Brosi BJ**, Delaplane KS, Boots M, de Roode JC. 2017. Ecological and evolutionary approaches to managing honey bee disease. *Nature Ecology & Evolution* 1: 1250–1262. *(BJB & JCdR contributed equally)*

50. *Botsch JC*, †Walter ST, Karubian J, González N, Dobbs E, **Brosi BJ**. 2017 Impacts of Forest Fragmentation on Species Diversity of Orchid Bees (Hymenoptera: Apidae: Euglossini) in the Chocó Biodiversity Hotspot of Northwest Ecuador. *Journal of Insect Conservation* 21(4): 633–643.

49. **Brosi BJ**, *Niezgoda K*, **Briggs HM**. 2017. Experimental species removals impact the architecture of pollination networks. *Biology Letters* 13: 20170243.

48. †Gottlieb IGW, Fletcher RJ, †Nuñez-Regueiro MM, Ober H, Smith L, **Brosi BJ**. 2017. Alternative biomass strategies for bioenergy: implications for bird communities across the southeastern United States. *GCB Bioenergy* 9(11): 1606-1617.

47. **Bell KL**, *Fowler J*, Burgess KS, Dobbs EK, **Gruenewald D**, *Lawley B*, **Morozumi C**, **Brosi BJ**. 2017. Applying pollen DNA metabarcoding to the study of plant-pollinator interactions. *Applications in Plant Sciences* 5(6): 1600124.

46. **Bell KL**, *Loeffler VM*, **Brosi BJ**. 2017. An *rbcL* reference library to aid in the identification of plant species mixtures by DNA metabarcoding. *Applications in Plant Sciences* 5(3): 1600110.

45. Strauss SH, Jones KN, Lu H, Petit JH, Klocko AH, **Brosi BJ**, Betts MG, Needham MD, Fletcher RJ. 2017. Impacts of Flowering Modification on Biodiversity in Forest Plantations. *New Phytologist* 213: 1000–1021.

44. **Dynes TL**, De Roode JC, Lyons JI, Berry JA, Delaplane KS, **Brosi BJ**. 2017. Fine scale population genetic structure of *Varroa destructor*, an ectoparasitic mite of the honey bee (*Apis mellifera*). *Apidologie* 48(1): 93-101.

43. Dicks LV, Viana B, Bommarco R, **Brosi BJ**, del Coro Arizmendi M, Cunningham SA, Galetto L, Hill R, Lopes AR, Pires C, Taki H, Cooper D, Potts SG. 2016. Ten policies to protect pollinators. *Science* 354, 975–976.

42. **Bell KL**, Burgess KS, de Vere N, †Gousse A, Keller A, †Richardson R, **Brosi BJ**. 2016. DNA metabarcoding of pollen: progress and prospects. *Genome* 59(9): 629-640.

41. †Levine RS, Mead DG, Hamer GL, **Brosi BJ**, Hedeen DL, Hedeen MW, †McMillan JR, †Bisanzio D, Kitron UD. 2016. Supersuppression: Reservoir Competency and Timing of Mosquito Prey Shifts Combine to Reduce Spillover of West Nile Virus. *American Journal of Tropical Medicine & Hygiene* 95(5): 1174-1184.

40. †Valdovinos FS, **Brosi BJ**, **Briggs HM**, Moisset de Espanés P, Ramos-Jiliberto R, Martinez ND. 2016. Adaptive foraging interacts with network structure to stabilize mutualistic networks. *Ecology Letters* 19: 1277–1286.

39. **Brosi BJ**. 2016. Pollinator Specialization: from the Individual to the Community. *New Phytologist* 210: 1190–1194.

38. †Philipsborn R, †Ahmed SM, **Brosi BJ**, Levy K. 2016. Climatic Drivers of Diarrheagenic *Escherichia coli* Incidence: A Systematic Review and Meta-analysis. *Journal of Infectious Diseases* 214 (1): 6-15.

37. **Bell KL**, Burgess KS, Okamoto KC, Aranda R, **Brosi BJ**. 2016. Review and future prospects of DNA barcoding methods in forensic palynology. *Forensic Science International: Genetics* 21: 110-116.

36. **Briggs HM**, *Anderson LM*, *Delva AM*, *Atalla L*, Dobbs EK, **Brosi BJ**. 2015. Heterospecific pollen deposition in *Delphinium barbeyi*: linking stigmatic pollen loads to reproductive output in the field. *Annals of Botany* 10.1093/aob/mcv175

35. **Ayers CA**, Armsworth PR, **Brosi BJ**. 2015. Determinism as a statistical metric for trapline foraging and other recurrent behaviors. *Behavioral Ecology and Sociobiology* 69:1395–1404.

34. †Miller AE, Pejchar L, **Brosi BJ**, Magnacca K, Daily GC. 2015. Pollen carried by native and non-native bees in large-scale forest restoration in Hawaii: Implications for pollination. *Pacific Science* 69(1): 67-79.

33. Tallis H, Lubchenco J, … **Brosi BJ** … et al. (>200 authors). 2014. A call for inclusive conservation. *Nature* 515(7525): 27–28.

32. *Anderson LM*, **Dynes TM**, Berry JA, Delaplane KS, *McCormick LL*, **Brosi BJ**. 2014. Distinguishing feral and managed honey bees (*Apis mellifera*) using stable carbon isotopes. *Apidologie* 45(6): 653-663.

31. †Suni SS, Bronstein J, **Brosi BJ**. 2014. Conservation genetics of the orchid bee *Euglossa championi*: analysis of spatio-temporal genetic structure reveals high dispersal over a fragmented area. *Biotropica* 46(2): 202–209.

30. **Briggs HM**, Perfecto I, **Brosi BJ**. 2013. The role of the agricultural matrix: coffee management and euglossine bee (Hymenoptera: Apidae: Euglossini) communities in southern Mexico. *Environmental Entomology* 42(6): 1210-1217.

29. †Bewick S, **Brosi BJ**, Armsworth PR. 2013. Competition causes secondary extinctions in plant-pollinator networks. Oikos 122: 1710–1719.

28. **Brosi BJ**, **Briggs HM**. 2013. Single pollinator species losses reduce floral fidelity and plant reproductive function. *Proceedings of the National Academy of Sciences* 110, 13044–13048.
    - media coverage in *Nature, The New York Times, National Geographic, LA Times, Scientific American,* among several other media outlets in the US; additional coverage in Germany, Sweden, France, Spain, China, and New Zealand among other countries
    - featured on the National Science Foundation website

27. **Hinojosa I**, **Brosi BJ**. 2013. First records and description of metallic red females of *Euglossa* (Alloglossura) *gorgonensis* Cheesman from the Pacific slope of southern Costa Rica (Hymenoptera. Apidae). *Zookeys* 335: 113-119.

26. †Gould RK, Pejchar L, †Bothwell SG, **Brosi BJ**, Wolny S, †Mendenhall CD, Daily GC. 2013. If you build it, they will come: Forest restoration and parasitic wasp communities in montane Hawaii. *PLoS ONE* 8, e59356.

25. †Lichtenberg E, **Brosi BJ**. 2012. Expanded ranges of two stingless bee (Hymenoptera: Apidae) species: *Aparatrigona isopterophila* and *Ptilotrigona occidentalis*. *Journal of the Kansas Entomological Society* 85(4): 374-377.

24. **Brosi BJ**, Biber EG. 2012. Citizen involvement in the US Endangered Species Act. Science 337(6096), 802–803.
    - media coverage in the *New York Times, Nature, The New Scientist, Smithsonian*, UPI, Greenwire and several other news outlets and websites

23. †Suni SS, **Brosi BJ**. 2012. Landscape genetics of orchid bees in a fragmented tropical landscape. *Conservation Genetics* 13:323-332.

22. †Souza RO, Del Lama AM, Cervini M, Mortari N, Eltz T, Zimmermann Y, Bach C, **Brosi BJ**, †Suni SS, Quezada-Euán JG, Paxton RJ. 2010. Conservation genetics of Neotropical pollinators revisited: microsatellite analysis suggests that diploid males are rare in orchid bees. *Evolution* 64(11): 3318–3326.

21. Biber EG, **Brosi BJ**. 2010. Officious Intermeddlers or Citizen Experts? Petitions and Public Production of Information in Environmental Law. *UCLA Law Review* 58(2): 321-400.
    - winner of the Yale–Stanford faculty forum 2010, Environmental Law category as one of the best two articles in environmental law written by junior faculty in 2010
    - selected as one of the top 10 publications in environmental law in and reprinted in volume 43 of *Land Use & Environmental Law Review.*

20. **Brosi BJ**. 2009. The complex responses of social stingless bees (Apidae: Meliponini) to tropical deforestation. *Forest Ecology & Management* 258: 1830–1837.

19. **Brosi BJ**, Daily GC, Mills M, Chamberlain CP. 2009. Detecting changes in habitat-scale bee foraging using stable isotopes. *Forest Ecology & Management* 258: 1846–1855.

18. **Brosi BJ**, Biber EG. 2009. Statistical inference, Type II error, and decision-making under the US Endangered Species Act. *Frontiers in Ecology and Environment* 7(9): 487–494.

17. Tallis H, Goldman R, Uhl M, **Brosi BJ**. 2009. Integrating conservation and development in the field: implementing ecosystem service projects. *Frontiers in Ecology and Environment* 7: 12–20.

16. **Brosi BJ**. 2009. The effects of forest fragmentation on euglossine bee communities. *Biological Conservation* 142:414-423

15. **Brosi BJ**, Armsworth PR, Daily GC. 2008. The optimal design of agricultural landscapes for pollination services. *Conservation Letters* 1: 27-36.

14. **Brosi BJ**, Daily GC, *Shih TM*, Oviedo F, Durán G. 2008. The effects of forest fragmentation on bee communities in tropical countryside. *Journal of Applied Ecology* 45(3): 773-783.

13. Fischer J, **Brosi BJ**, Daily GC, Ehrlich, PR, Goldman R, Goldstein J, Manning AD, Mooney HA, Pejchar L, Ranganathan J, Tallis H. 2008. Should agricultural policies encourage land sparing or wildlife-friendly farming? *Frontiers in Ecology and the Environment* 6(7): 380–385.

12. **Brosi BJ**, Daily GC, Ehrlich PR. 2007. Bee community shifts with landscape context in a tropical countryside. *Ecological Applications* 17:418–430.

11. **Brosi BJ**, Balick M, Wolkow R, Lee R, Kostka M, Raynor W, Gallen R, Raynor A, Raynor P, Lee Ling D. 2007. Quantifying cultural erosion and its relationship to biodiversity conservation: canoe-making knowledge in Pohnpei, Micronesia. *Conservation Biology* 21(3): 875-879.

10. **Brosi BJ**, Smith-Pardo A, Gonzaléz VH. 2006. A new wood-nesting *Neocorynura* (Hymenoptera: Halictidae: Augochlorini) from Costa Rica, with notes on its biology. *Zootaxa* 1189: 55-68.

9. Bletter N, Janovec J, **Brosi BJ**, Daly D. 2004. A digital base map for studying the Neotropical flora. *Taxon* 53(2): 469-477.

8. Purata SE, Peters CM, Montoya MA, **Brosi BJ**, Lopez AM. 2004. Los alebrijes de Oaxaca y el manejo de las selvas secas. *Ciencia y Desarrollo* 30(174): 52-60.

7. Peters CM, Purata SE, Chibnik M, **Brosi BJ**, Lopez AM, Ambrosio M. 2003. The life and times of *Bursera glabrifolia* (H.B.K.) ENGLin Mexico: A parable for Ethnobotany. *Economic Botany* 57(4): 431-441.

6. Lee RA, Balick MJ, Lee D Ling, Sohl F, **Brosi BJ**, Raynor W. 2001. Cultural dynamism and change: an example from the Federated States of Micronesia. *Economic Botany* 55(1): 9-13.

5. Sultan SE, Wilczek AM, Hann SD, **Brosi BJ**. 1998. Contrasting ecological breadth of co-occurring annual *Polygonum* species. *Journal of Ecology* 86(3): 363-383.

PEER-REVIEWED BOOK CHAPTERS

4. **Brosi BJ**, *Shih T*, *Billadello L*. 2008. Polinización biótica y cambios en el uso de la tierra en paisajes dominados por humanos. In: Evaluación y Conservación de Biodiversidad en Paisajes Fragmentados de Mesoamerica. Harvey C and Saenz J, editors. INBIO: Santo Domingo de Heredia, Costa Rica.

3. **Brosi BJ**, Daily GC, Davis F. 2006. The conservation value of agricultural and urban landscapes. In: *The Endangered Species Act at Thirty: Conserving Biodiversity in Human-Dominated Landscapes*. Scott JM, Goble DD, Davis FW, and Heal G, editors. Island Press, Washington, DC.

2. Purata SE, Chibnik M, **Brosi BJ**, López AM. 2005. *Bursera* woodcarving in Oaxaca, Mexico. In: *Carving Out a Future: Forests, Livelihoods, and the International Woodcarving Trade*. Cunningham AB, Belcher B, and Campbell B, editors. Earthscan/James & James, London.

1. Purata SE, Chibnik M , **Brosi BJ**, López AM. 2004. Figuras de madera de Bursera en Oaxaca, Mexico. Pages 415-437 in Alexiades MN and Shanley PN, editors: *Productos forestales, medios de subsistencia y conservación*, Volumen 3-Latino America. Bogor, Indonesia: CIFOR.

Presentations

INVITED PRESENTATIONS, UNIVERSITIES AND RESEARCH CENTERS

2021 Iowa State University, Evolution, Ecology, and Organismal Biology (EEOB) program *(fall 2021)*

2019 Florida State University, Department of Biology

2018 Oregon State University, cross-departmental *Ecology, Evolution, & Conservation of Biodiversity* seminar series

2018 University of Michigan, Department of Ecology & Evolutionary Biology and Center for Complex Systems, *Symposium: Evolution on and in Ecological Networks*

2017 University of California, Riverside, Department of Entomology

2017 University of California, Irvine, Department of Ecology and Evolutionary Biology

2017 Sveriges Lantbruksuniversitet *(Swedish University of Agricultural Sciences)*, Department of Ecology

2017 Western Carolina University, Department of Biology

2016 University of Pittsburgh, Department of Biology

2016 Georgia Institute of Technology *(Georgia Tech)*, Department of Biology

2016 North Carolina State University, Departments of Entomology and Applied Ecology

2016 University of California-Berkeley, Energy and Resources Group

2015 Dartmouth College, Department of Biological Sciences

2015 Penn State University, Department of Entomology

2015 Wesleyan University, Department of Biology

2015 University of Minnesota, Department of Entomology

2014 Montana State University, Department of Ecology and Evolutionary Biology

2014 Kennesaw State University, Department of Biology

2014 University of Arizona, Department of Ecology and Evolutionary Biology

2014 Rocky Mountain Biological Laboratory

2013 University of Georgia, Odum School of Ecology

2012 University of Tennessee: Baker Center Energy and Environment Forum *(speakers in the previous year included David Tilman, Mercedes Pascual, and Rob Jackson)*

2012 University of California – Santa Cruz, Department of Environmental Studies

2011 Joseph W. Jones Ecological Research Center at Ichauway

2009 San Francisco State University, Department of Biology

2009 University of Delaware, Department of Entomology & Wildlife Ecology

2009 San Jose State University, Biodiversity Center, Department of Biology

2009 Colorado State University, Department of Fish, Wildlife, and Conservation Biology

2009 University of Victoria British Columbia, School of Environmental Studies

2008 University of California-Berkeley, Department of Environmental Science, Policy, and Management

2008 University of California-Berkeley, Boalt Hall School of Law

2007 University of California-Davis, Department of Entomology

2007 Brown University, Department of Ecology & Evolutionary Biology

INVITED PRESENTATIONS, CONFERENCES & SYMPOSIA

Sept 2016 15th International Congress of Entomology: Orlando, FL. Invited symposium speaker.

Nov 2015 Entomological Society of America: Annual Meeting, Minneapolis, MN. Invited symposium speaker.

Apr 2015 Defense Forensics Science Palynology Meeting, Forest Park, GA. Invited whole-conference presentation.

July 2014 Eastern Apicultural Society: Annual Meeting, Richmond, KY. Invited plenary speaker

Oct 2012 North American Pollinator Protection Campaign: Annual Conference

Mar 2007 The Nature Conservancy/Corporación Andina de Fomento, Workshop: Conservando los Servicios Ambientales para la Gente y la Naturaleza (Conserving Ecosystem Services for People and Nature). Santa Cruz, Bolivia. *(presentation in Spanish)*

Nov 2006 PRORENA (Smithsonian / Yale Tropical Native Species Reforestation Project). Annual Meeting, Panama City, Panama. One of three whole-conference speakers. *(presentation in Spanish)*

Aug 2007 Ecological Society of America: Annual Meeting, San Jose, CA. Invited symposium speaker.

Nov 2003 Sociedad Mesoamericana para la Biología y la Conservación (Mesoamerican Society for Conservation Biology). Annual Meeting, Tuxtla Gutierrez, Mexico. *(presentation in Spanish)*

CONTRIBUTED PRESENTATIONS, CONFERENCES & SYMPOSIA

Ecological Society of America
presented contributed talks: 2005, 2006, 2008, 2012, 2014, 2018
co-author on talks or posters (* = advisee presenter): 2007, *2012, *2013, *2014, *2015, *2017, *2018

Entomological Society of America
presented talks: 2008, 2011, 2012, 2015
co-author on talks/posters (* = advisee presenter): *2011 *(student winner of President's Award for best undergraduate poster)*, *2012 *(four advisee presentations)*

International Symposium on Ecological Networks *(held in odd years beginning 2013)*
presented talks: 2019, 2015; poster: 2017

Other contributed conference presentations:

- Diversitas (Biodiversity Science for Human Well-Being): poster, 2005
- Society for Conservation Biology: presented talks: 2006, 2007
- Association for Tropical Biology: presented talk, 2007
- International Pollination Symposium: posters 2007, 2008
- American Society of Naturalists, co-author on advisee presentation, 2014
- British Ecological Society / French Ecological Society Joint meeting: co-author on advisee presentation, 2014
- International Barcode of Life: presented talk 2015 plus co-author on advisee talk 2015
- International Union for the Study of Social Insects (IUSSI): co-author 2016
- International Congress of Entomology: presented talk, 2016

Research Mentoring

CURRENT POST-DOCTORAL RESEARCH FELLOWS

Jan 2021– Dr. Therese Lamperty

Sept 2018– Dr. Laura Avila *(first-generation high school and university graduate; co-advised with Dr. Nicole Gerardo at Emory University since Sept 2020)*

FORMER POST-DOCTORAL RESEARCH FELLOWS

2020 Dr. Victoria Reynolds *(currently post-doc, University of Queensland)*

2019-2020 Dr. Beth Morrison *(currently data scientist, Grammarly)*

2018 Dr. Alva Curtsdotter *(currently post-doc, University of New England [Australia])*

2014-2016 Dr. Karen Bell *(currently Lecturer [Assistant Professor equivalent], University of Western Australia and CSIRO)*

2012-2014 Dr. Ismael Hinojosa *(currently Associate Professor Equivalent, Universidad Autónoma de México [UNAM])*

GRADUATE STUDENTS, UW BIOLOGY PROGRAM

2021– Madeleine Strait *(beginning fall quarter 2021)*

2021– Chris Anderson *(beginning fall quarter 2021)*

2018– Kathleen (Kaysee) Arrowsmith *(National Science Foundation Graduate Research Fellow; transferred to UW from Emory)*

GRADUATE STUDENTS, EMORY PBEE PROGRAM

2016– Donna McDermott *(National Defense Science and Engineering Graduate Fellow)*

2016– Connor Morozumi *(National Defense Science and Engineering Graduate Fellow)*

GRADUATE STUDENT ALUMNI

2016–2021 Xingwen Loy, PhD 2021 *(Lewis & Clark Fellow for Exploration and Fieldwork; currently Conservation Scientist, the Atlanta Botanical Garden)*

2013-2018 Travis Dynes, PhD 2018 *(co-advised with Jacobus de Roode; National Science Foundation Graduate Research Fellow)*

2012-2016 Carolyn Ayers, PhD 2016 *(NSF DDIG recipient; two-time NSF Graduate Fellowship Honorable Mention)*

2012-2014 David Gruenewald (M.S. 2014)

GRADUATE COMMITTEE MEMBERSHIP

UNIVERSITY OF WASHINGTON

Lila Westreich (Ph.D. committee GRC rep, SEFS); Autumn Maust (M.S. committee, SEFS)

EMORY UNIVERSITY

Patricia Signe White (Ph.D. 2019), Marissa Grossman (Ph.D. 2016), Zachary Lynch (Ph.D. 2016), Sarah Guagliardo (Ph.D. 2015), Justine Garcia (Ph.D. 2015), Janelle Couret (Ph.D. 2014), Rebecca Levine (Ph.D. 2014), Eleanore Sternberg (Ph.D. 2013)

EXTERNAL COMMITEE MEMBERSHIP

Heather Briggs, University of California-Santa Cruz (Ph.D. 2016); Laura Avila, University of Florida (Ph.D. 2017) *(current post-doc in the Brosi lab)*; Christine Fortuin, University of Georgia (Ph.D. 2021); Kara Leimberger, Oregon State University (Ph.D. committee, 2017–)

EXTERNAL PHD REFEREE

2019 **External Assessor Of Ph.D. Thesis**: *Declined invitation*, University of New England (Australia)

2017 **External Opponent for Ph.D. Defense**: Sandra Lindström
Swedish University of Agricultural Sciences, Uppsala (in person at defense)

2013 **External Assessor Of Ph.D. Thesis**: Tobias Smith, University of Queensland, Australia

VISITING GRADUATE STUDENTS

fall 2019 Therese Lamperty, Rice University (Emory QTM Visiting Fellow)

fall 2019 Luca Szádovsky, Eötvös Lóránd University, Hungary (European Campus Mundi Visiting Fellow)

fall 2018 Beth Morrison, Stanford University (Emory QTM Visiting Fellow)

2017-2018 Victoria Reynolds, University of Queensland, Australia (Fulbright Visiting Graduate Student Scholar)

fall 2015 Heather Briggs, University of California-Santa Cruz (Emory QTM Visiting Fellow)

UNDERGRADUATE RESEARCH, UNIVERSITY OF WASHINGTON

Kyra Woytek (Biology 2021); Christy Johnson-Garrett (Biology 2021); Daniel Lahn (Biology 2023)

UNDERGRADUATE HONORS ADVISING, EMORY

- Annie Schiffer, ENVS Highest Honors 2020
- Kelly Endres, ENVS Highest Honors 2019
- Andriana Miljanic, ENVS Highest Honors 2017 *(M.S., Perfecto Lab, University of Michigan)*
- Hsini Chu, ENVS Highest Honors 2016 *(currently in medical school)*
- Jamieson Botsch, ENVS Highest Honors 2016 *(currently Ph.D. student in ecology, Ives Lab, University of Wisconsin-Madison)*
- Laila Atalla, ENVS Highest Honors 2016 *(Bobby Jones Scholar, St. Andrews University, Scotland, 2016-2017)*
- Brice Lawley, ENVS Honors 2015
- Lydia McCormick, Biology Highest Honors 2014 *(President's award for best undergraduate poster, Entomological Society of America Annual Meeting 2012; undergraduate co-PI on NAPPC grant; currently medical resident)*
- Holly Bok, ENVS Honors 2014
- Lucy Anderson, ENVS/Chemistry Highest Honors 2013 *(Fulbright Research Scholar, India, 2013-2014)*
- Evan Crane, ENVS Honors 2011 *(MS, University of Michigan)*
- Allison Tammany, ENVS High Honors 2011

UNDERGRADUATE RESEARCH, EMORY (IN ADDITION TO HONORS THESES)

Kelsey Alexander, Riley Book *(graduate school in ecology, University of Wisconsin)*, Allie Boyle, Claire Brisse, Belle Brown, André Delva *(NSF site REU recipient, RMBL 2015; Woodrow Wilson Science Teaching Fellow)*, Ellen Dymit *(Fulbright Scholar, Norway, 2019-2020; graduate school in ecology, Oregon State)*, Julie Fowler *(graduate school in agroecology, University of Nebraska)*, Ian Fried, Ashley Graham, Payton Grande, Leotie Hakkila, Morika Hensley *(Fulbright Scholar, India)*, Nycole Hidalgo, Aaron Hopes *(graduate school, University of Chicago)*, Emily Isaac, Elsa Lake, Therese Lamperty *(graduate school, Rice; subsequent post-doc in the Brosi lab)*, Adrienne Lodise, Virginia Loeffler, Anna Mayrand, Kristen McCrae, Dilim Obiago, Sean Parker, Zana Pouncey *(NSF site REU recipient, RMBL 2015)*, Eric Ruggieri *(Computer Science)*, Micah Sharer, Caleb Sowers *(Physics; graduate school in ecology, Kansas State)*, Wenhao Sun *(graduate school in ecology, Oregon State)*, Kaitlin Taylor, Lindsay Thomas, Bang Tran, Anna Wassel

EXTERNAL UNDERGRADUATES ADVISED, ROCKY MOUNTAIN BIOLOGICAL LABORATORY

Julia Brokaw, Cornell University (summer 2011); Anna Jean Petroff, Denison University (summer 2012); Nelson Vila-Santana, Green Mountain College (summer 2012); Amanda Cooke, Colorado College (summer 2013); José Pablo Brenes-Coto, Wheaton College (summer 2014); Ellen Kerchner, Middlebury College (summer 2014); Renata Poulton, University of Chicago (summer 2016); Leandra Gonzalez, Florida International University (summer 2017); Dylan MacArthur-Waltz, Stanford University (summer 2018); Benjamin Davis, University of Vermont (summer 2019)

Teaching

UNIVERSITY OF WASHINGTON

2021– **BIOL 472A, Community Ecology with lab** (5 credits; max enrollment 24)
Upper-level ecology course with a focus on quantitative analysis and modeling; substantial microbiome focus for inclusion of biology majors with non-ecological interests. Spring 2021 (fully remote); planned for spring quarters thereafter

2021– **BIOL 560B, Ecoseminar** (1 credit; max enrollment 24)
graduate seminar; discussion of primary literature. Led Winter 2021 (focus on ecological networks)

2021– **BIOL 476A, Conservation Biology** (4 credits; max enrollment 74)
Upper-level course with a focus on the application of biological principles to the conservation of biological diversity in its many forms. 3 hours of class session plus one hour of discussion section each week. To be taught Fall 2021; planned for fall quarters thereafter.

EMORY UNIVERSITY

2010–2020 **ENVS 260, Quantitative Methods in Environmental Sciences**
Two different courses under the same course name and number:

First, an introductory course on statistics, data visualization, research design, and critical consumption of quantitative data. Co-taught with William Size, Fall 2010 and Spring 2011; sole instructor each spring semester until spring 2015.

Subsequently, an introductory course on environmental modeling. Co-taught with Murray Rudd in spring 2016, sole instructor 2017-2020 (each spring semester).

2010–2016 **ENVS 500, Landscape and Spatial Ecology**
Seminar for graduate students and advanced undergraduates on spatial pattern and process in ecology with a focus on quantitative models and conservation applications. Sole instructor; taught each even-numbered year.

2010–2011 **ENVS 444, Ecosystems of the Southeast**
Undergraduate field ecology course with an emphasis on southeastern ecosystems and research design and data collection. Co-taught with Anthony Martin.

2011–2019 **IBS 595, Ecology**
Graduate-level, multi-instructor ecology course with a focus on quantitative models; I taught modules on metapopulation biology, biodiversity, and community ecology. Course directors: Jacobus de Roode (until 2017); David Civitello (2019). Every other fall semester on odd-numbered years.

2019 **ENVS 585, Biodiversity and Community Ecology**
Seminar for graduate students and advanced undergraduates on community ecology. Sole instructor.

2019 **ENVS 485, the Practice of Science**
Seminar and workshop for advanced undergraduates. Course focused on the basic practical skills needed to be a successful independent undergraduate researcher (writing, computation, analysis, communication). Sole instructor.

STANFORD UNIVERSITY, GRADUATE SCHOOL OF BUSINESS

2007–2009 **GSBOIT 338: Environmental Science For Managers & Policy Makers**
Course Developer/Science Advisor. Developed quantitative modeling and optimization exercises; contributed to general curriculum development and selection of course readings. Course director: Erica Plambeck.

Service

NATIONAL & INTERNATIONAL SERVICE

2021— **IUCN Wild Bee Specialist Group**
initial member of the International Union for the Conservation of Nature's group on wild bee conservation; particular service on the policy section

2018– Associate Editor, *Frontiers in Ecology and Environment*

2017– Associate Editor, *Journal of Pollination Ecology*

2019 External Evaluation of Promotion and Tenure, University of California campus

2017 External Evaluation of Promotion, teaching faculty member at an R1 institution

2014-2015 Lead Author, IPBES (Intergovernmental Platform on Biodiversity and Ecosystem Services)
Thematic assessment of pollinators, pollination and food production. *(first assessment of IPBES, modeled after IPCC; one of 75 lead authors worldwide, one of 5 from the USA)*

2012 Working group member, North American Pollinator Protection Campaign

2007 Instructor, Xerces Society for Invertebrate Conservation, Citizen Scientist Training

2007 Advisor, Canadian National Agri-Environment Standards Initiative (NAESI)

fall 2001 Volunteer GIS technician, World Trade Center emergency response effort, New York City

LOCAL & REGIONAL SERVICE

2021– MeadoWatch co-director *(with founder Janneke Hille Ris Lambers).* Citizen science project focused on recording long-term data on timing of wildflower bloom at Mount Rainier National Park.

2016–2018 Member, Education Committee, Trees Atlanta

2006–2009 Founding Chair, Scientific Advisory Committee, Golden Gate Audubon Society

2005–2009 Board of Directors, Golden Gate Audubon Society

GRANT REVIEWING

US National Science Foundation
Panel service since 2009: Population and Community Ecology (and its predecessor, Evolutionary and Population Ecology; four panels plus multiple ad-hoc reviews); Dimensions of Biodiversity (one panel); Geography and Spatial Sciences Program (ad-hoc review); Integrative Organismal Systems (two ad-hoc review invitations, both declined due to conflicts of interest; panel invitation, declined due to travel conflict)

UK Biotechnology and Biological Sciences Research Council (BBSRC; NIH equivalent in UK); ad-hoc review

French L'Agence Nationale de la Recherche (ANR; NSF equivalent in France); ad-hoc review; virtual pre-proposal panel service 2015

Deutsche Forschungsgemeinschaft (DFG; NSF equivalent in Germany; ad-hoc review)

Leaders Opportunity Fund of the Canada Foundation for Innovation (ad-hoc review, declined service due to fieldwork)

US Department of Agriculture (ad-hoc reviews)

US Army Research Office (ad-hoc review)

National Geographic Society: Conservation Trust (ad-hoc reviews)

US–Israel Binational Agricultural Research & Development Fund (ad-hoc review)

American Association for the Advancement of Science: India-US Science & Technology Forum (ad-hoc review)

ETH (Eidgenössische Technische Hochschule) Zürich *(Swiss Federal Institute of Technology)*: internal funding competition (ad-hoc review)

UK Natural Environment Research Council (NERC; ad-hoc review invitation, declined service due to travel)

Czech National Science Foundation (ad-hoc review invitation, declined service due to fieldwork)

SELECTED MANUSCRIPT REVIEW

Agriculture, Ecosystems, & Environment; Animal Behavior; Australian Journal of Entomology; Biological Conservation; Biology Letters; Conservation Biology; Current Biology; Ecography; Ecological Applications; Ecological Economics; Ecology; Ecology Letters; Frontiers in Ecology & Environment; Global Ecology & Biogeography; Israeli Journal of Ecology & Evolution; Journal of Applied Ecology; Journal of Complex Networks; Journal of Ecology; Journal of Pollination Ecology; Molecular Ecology; Oecologia; Oikos; PLoS ONE; PNAS; Proceedings of the Royal Society B; Trends in Ecology & Evolution, Science

UNIVERSITY SERVICE, UNIVERSITY OF WASHINGTON

2021 Search Committee, Director of the University of Washington Botanical Gardens

2021 Royalty Research Fund (RRF) grant review

DEPARTMENTAL SERVICE, UNIVERSITY OF WASHINGTON BIOLOGY DEPARTMENT

2021– Seminar Committee

2021– Graduate and Post-doc Committee
- tutorials / rotations / exams subcommittee
- new GPC subcommittee on revising the graduate application review process

2021– Safety & Equity in Fieldwork Subcommittee *(subcommittee of the Research Committee)*

UNIVERSITY SERVICE, EMORY

2015–2019 Faculty Science Council, Environmental Sciences representative

2014–2020 Emory Herbarium Advisory Committee

2013–2020 University Sustainability Advisory Committee

2011–2015 STEM (Science, Technology, Engineering, and Mathematics) Retention Advisory Board

2014 Udall Scholarship Review Committee

2010–2013 University Carbon Action Committee

GRADUATE EDUCATION SERVICE, EMORY PBEE PROGRAM
PBEE = Graduate Program in Population Biology, Ecology, and Evolution

2018–2020 Director, PBEE program

2018–2020 Executive Council, Emory Graduate Division of Biological and Biomedical Sciences (GDBBS)

2017–2018 PBEE Recruitment Chair

2015–2017 PBEE Seminar Series Committee, Chair

2011–2017 PBEE Seminar Series Committee, member

2011–2020 Executive Council, PBEE Program

DEPARTMENTAL SERVICE, EMORY ENVIRONMENTAL SCIENCES DEPARTMENT

2019–2020 Search Committee Chair, Biogeochemistry

2018–2019 Search Committee Member, Social-Environmental Systems

2016–2017 Search Committee Chair, Lecturer in Field Studies

2016–2020 Strategic Planning Committee

2015–2020 Honors Program Coordinator

2015–2020 Undergraduate Research Program Coordinator

2012 Departmental External Review Committee

2011–2012 Search Committees: Urban Ecology and Environmental Policy (two positions)

2011–2012 Departmental Graduate Program Committee *(new MS program; separate from PBEE activities above)*

2010–2013 Curriculum Committee

Media Coverage and Contributions

POPULAR MEDIA CONTRIBUTIONS

5 Sept 2016 K. Bell, B. Brosi, K. Burgess, "Pollen genetics can help with forensic investigations" *The Conversation (http://theconversation.com/pollen-genetics-can-help-with-forensic-investigations-53426)*

3 Sept 2014 B.Brosi, "Curbing pesticide threats to bees", contributed Op-Ed, *Atlanta Journal-Constitution (http://www.myajc.com/news/opinion/curbing-pesticide-threats-bees/X52IFcpfQVRaYTcThMiVjM/)*

8 Oct 2013 WAMC Radio, Academic Minute, *(wrote & delivered a nationally-syndicated radio piece on my research) (http://wamc.org/post/dr-berry-brosi-emory-university-flowers-and-bee-fidelity)*

26 Sept 2012 E. Biber & B. Brosi, "Trust the public: citizens can help endangered species" *The Conversation*

MEDIA COVERAGE

25 Apr 2017 WSB-TV Atlanta, on-camera interview on pollen forensics

29 Feb 2016 WABE Radio: "A Closer Look". Live interview on the IPBES Thematic Assessment of Pollinators, Pollination and Food Production

27 Jul 2015 National Science Foundation website interview on pollinator declines

June 2015 Featured in television piece on bee declines, Georgia Outdoors, Georgia Public Broadcasting

2013 Coverage in *The New York Times, Nature, LA Times, National Geographic*, and other national and international outlets for *PNAS* article

2012 Coverage in *The New York Times, Nature, The New Scientist, Smithsonian*, and other national and international outlets for *Science* article

6 Sept 2007 On-camera interview on bee declines for NBC National News

11 Mar 2007 Highlighted in *Conservation Magazine* Journal Watch (Brosi et al. 2007, *Conservation Biology*)

June 2006 Coverage in "The Nature of Farms" (K. Ellison), *Frontiers in Ecology and Environment* 4(5): 280