

CURRICULUM VITAE

JOHN S. ASCHER

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ACADEMIC HISTORY

- Assistant Professor, National University of Singapore, Department of Biological Sciences and Research Associate, Lee Kong Chian Natural History Museum: 1 June 2013-present
- Research Associate, American Museum of Natural History, Division of Invertebrate Zoology, 2013-present
- Research Scientist and Bee Database Senior Project Manager, American University of Natural History, 2005-June 2013
- Postdoctoral Fellowship, Division of Invertebrate Zoology, American Museum of Natural History, 2003-2005
- PhD, Entomology, Cornell University, 2004. Dissertation: *Systematics of the bee family Andrenidae (Hymenoptera: Apoidea)*.
- Junior Hymenoptera Specialist, Essig Museum of Entomology, University of California Berkeley 1994-1996
- B.A., Biology, Wesleyan University, 1994

GRANTS

2018- Singapore NRF/China NSF Grant: Integrative Systematics on Apoidea in China and adjacent countries in Southeast Asia

2015-2018 NUS-DBS Startup Grant: Genomic Studies of Southeast Asian Bees. SG\$250,000

2013-2015 NUS-DBS Startup Grant: Bees of Southeast Asia. SG\$250,000.

2010-2013 NSF DBI 0956388: Collaborative Research: Collaborative Databasing of North American Bee Collections Within a Global Informatics Network (PI

John

S. Ascher, CoPIs Douglas Yanega and Jerome G. Rozen, Jr.) Total award: \$1,440,000 US

2009-2010 Support from the Food and Agriculture Organization (FAO) for assembling data on bee pollinators. \$10,000 US.

TEACHING AND SUPERVISORY EXPERIENCE

Module Coordinator at National University Singapore for:

LSM1105 Evolutionary Biology [x2, 2017-2018]

LSM3265 Entomology [x5, 2014-2018]

LSM5210 Biogeography [x4, 2015-2018]

Co- or guest lecturer for Graduate Seminar, Urban Ecology, Avian Biology.

Mentor for more than a dozen Honours Final Year Projects and additional NUS undergraduate and NUS High School research projects.

Supervisor of NUS research assistants (3) and co-supervisor of AMNH bee database project assistants (10).

Course Instructor. 2004-2011. The Bee Course. <http://research.amnh.org/iz/beecourse/>

Leader of additional workshops on Hymenoptera: collecting, identification, curation, specimen databasing, and genetics, e.g., at Royal University Phnom Penh, University of Massachusetts, Amherst, Tel-Aviv University, University of Connecticut.

Co-mentor. 2004. Research Experience for Undergraduates (REU) program.

Graduate Teaching Assistant. 1997-2002 (7 semesters). Cornell University Department of Entomology.

FIELDWORK

Coleader of Hymenoptera collecting expeditions within the USA and Singapore and abroad to many other countries including Belize, Cambodia, Chile, China, Ecuador, Honduras, Israel, Italy, Malaysia, Thailand, and Turkey.

OTHER EXPERIENCE

Reviewer for entomological and systematic biology journals including Cladistics, Ecology and Evolution, Molecular Phylogenetics and Evolution, Systematic Entomology, Systematics and Biodiversity, Zookeys, and Zootaxa.

Invited participant and presenter at meetings sponsored by, e.g., the Food and Agriculture Organization of the United Nations, the Inter-american Biodiversity Information Network (IABIN), National Science Foundation (US), the National Academy of Sciences Committee on the Status of Pollinators, the United States Geological Survey, Consortium for the Barcode of Life, Xerces Society for Insect Conservation, National Centre for Biological Sciences (NCBS) in Bangalore, India.

Invited speaker at meetings of the IUSSI, Entomological Society of America and at institutions such as the American Museum of Natural History, Chiangmai University, the University of Florida, and the Zoological Institute of the Chinese Academy of Sciences.

Reviewer of bee species inventories for major collections such as the Smithsonian Institution National Museum of Natural History, California Academy of Sciences, and Essig Museum, in support of recuration of their bee collections.

Editor at citizen science sites including Bugguide.net (116,000+ identifications and other contributions) and inaturalist (36,000+) in addition to Discover Life.

Contributor through personal collecting and collections acquisition of tens of thousands of Hymenoptera specimens to the AMNH, LKCNHM and other museums.

JOURNAL PUBLICATIONS

- Bystriakova, N, T. Griswold, J. S. Ascher, M. Kuhlmann. 2018. Key environmental determinants of the global and regional richness patterns of a wild bee subfamily. *Biodiversity and Conservation* 27(2): 287-309.
- Drummond, F. A, A. C. Dibble, C. Stubbs, S. L. Bushmann, J. S Ascher, J. Ryan. 2017. A Natural History of Change in Native Bees Associated with Lowbush Blueberry in Maine. *Northeastern Naturalist* 24(m15): 49-68.
- Dibble, A. C., F. A. Drummond, C. Stubbs, S. L. Bushmann, M. Veit, J. S Ascher. 2017. Bees of Maine, with a state species checklist. *Northeastern Naturalist* 24(m15): 1-48.
- Ascher, J. S., M. S. Engel. 2017. A new species of *Mermiglossa* from Kenya, with comments on the arrangement of Old World Panurginae (Hymenoptera: Andrenidae). *Journal of Melittology* 75: 1-11.
- Gibbs, J., J. S. Ascher, M. G. Rightmyer, R. Isaacs. 2017. The bees of Michigan (Hymenoptera: Apoidea: Anthophila), with notes on distribution, taxonomy, pollination, and natural history. *Zootaxa* 4352(1): 1-160.
- Hung, K.-L. J., J. S. Ascher, and D. A. Holway. 2017. Urbanization-induced habitat fragmentation erodes multiple components of temporal diversity in a Southern California native bee assemblage. *PLoS ONE* 12(8): e0184136. <https://doi.org/10.1371/journal.pone.0184136> [30 Aug 2017]
- Oliveira, U., B. S. Soares-Filho, A. P. Paglia, A. D. Brescovit, C. J. B. Carvalho, D. P. Silva, D. T. Rezende, F. S. F. Leite, J. A. N. Batista, J. P. P. P. Barbosa, J. R. Stehmann, J. S. Ascher, M. F. Vasconcelos, P. Marco, P. Löwenberg-Neto, V. G. Ferro, A. J. Santos. 2017. Biodiversity conservation gaps in the Brazilian protected areas. *Scientific Reports* 7(1): 9141: doi:10.1038/s41598-017-08707-2
- Genung, M., J. Fox, N. M. Williams, C. Kremen, J. S. Ascher, J. Gibbs, R. Winfree. The relative importance of pollinator abundance and species richness for the temporal variance of pollination services. *Ecology* 98(7): 1807-1816.
- Martins, K. T., É. Normandin, and J. S. Ascher. 2017. *Hylaeus communis* (Hymenoptera: Colletidae), a new exotic bee for North America with generalist foraging and habitat preferences. *Canadian Entomologist* 149(3): 377-390. [Jun 2017]
- Tonietto, R. K., J. S. Ascher, D. L. Larkin. 2017. Bee communities along a prairie restoration chronosequence: similar abundance and diversity, distinct composition. *Ecological Applications* 27(3):705-717. [Apr 2017]
- Kwong, W. K., L. A. Medina, H. Koch, K.-W. Sing, E. J. Y. Soh, J. S. Ascher, R. Jaffé, N. A. Moran. 2017. Dynamic microbiome evolution in social bees. *Science Advances* 3(3), e1600513. [Mar 2017]
- Hall, D. M., Camilo, G. R., Tonietto, R. K., Ollerton, J., Ahrne, K., Arduser, M., Ascher,

- J. S., Baldock, K. C. R., Fowler, R., Frankie, G., Goulson, D., Gunnarsson, B., Hanley, M. E., Philpott, S. M., Potts, S. G., Sirohi, M. H., Spevak, E. M., Stone, G. N., C. G. Threlfall. The city as a refuge for insect pollinators. *Conservation Biology* 31(1): 24-29. [Feb 2017]
- Oliveira, U., A. Paglia, A. D. Brescovit, C. J. B. de Carvalho, D. P. Silva, D. T. Rezende, F. S. F. Leite, J. A. N. Batista, J. P. P. P. Barbosa, J. R. Stehmann, J. S. Ascher, M. F. de Vasconcelos, P. De Marco, Jr., P. Löwenberg-Neto, P. G. Dias, V. G. Ferro, A. J. Santos. 2016. The strong influence of collection bias on biodiversity knowledge shortfalls of Brazilian terrestrial biodiversity. *Diversity and Distributions* 22(12):1232–1244. [Dec 2016]
- MacLeod, M., M. Genung, J. S. Ascher, R. Winfree. 2016. Measuring partner choice in plant–pollinator networks: Using null models to separate rewiring and fidelity from chance. *Ecology* 91(11): 2925–2931. [Nov 2016]
- Rozen, J. G., Jr., J. S. Ascher, S. M. Kamel, K. M. Mohamed. 2016. Larval diversity in the bee genus *Megachile* (Hymenoptera: Apoidea: Megachilidae). *American Museum Novitates* 3863: 1-16. [Sep 2016]
- Soh, E. J. Y., Z. W. W. Soh, S. X. Chui, J. S. Ascher. 2016. The bee tribe Anthidiini in Singapore (Anthophila: Megachilidae: Anthidiini) with notes on the regional fauna. *Nature in Singapore*. *Nature in Singapore* 9: 49-62. [Aug 2016]
- Niu, Z.-Q., J. S. Ascher, A-R. Luo, T. Griswold, C.-D. Zhu. 2016. Revision of the *Anthidiellum* Cockerell, 1904 of China (Hymenoptera, Apoidea, Megachilidae, Anthidiini). *Zootaxa* 4127a(2): 327-344. [Jun 2016]
- Ascher J. S., S. Risch, Z. W. W. Soh, J. X. Q. Lee, E. J. Y. Soh. 2016. *Megachile* leaf-cutter and resin bees of Singapore (Hymenoptera: Apoidea: Megachilidae) *Raffles Bulletin of Zoology (Supplement)* 32: 33-55. [May 2016]
- Zarrillo, T. A., J. S. Ascher, J. Gibbs, K. A. Stoner. 2016. New and noteworthy records of bees (Hymenoptera: Apoidea: Anthophila) for Connecticut. *Journal of Kansas Entomological Society*. 89(2) 138-157. [Apr 2016]
- Ascher, J. S., Heang, P., Kheam, S., Ly, K., Lorn, S., Chui S. X., De Greef, S., Chartier, G., S. Phauk. 2016. A report on the bees (Hymenoptera: Apoidea: Anthophila) of Cambodia. *Cambodian Journal of Natural History* 2016(1): 23-39. [Apr 2016]
- Cariveau, D., G. K. Nayak, I. Bartomeus, J. Zientek, J. S. Ascher, R. Winfree. 2016. The allometry of bee proboscis length and its uses in ecology. *PLoS ONE* 11(3): e0151482 [1-13]. [Mar 2016]
- Goldstein, P. Z., J. S. Ascher. 2016. Taxonomic and behavioral composition of an island fauna: a survey of bees (Hymenoptera: Apoidea: Anthophila) on Martha’s Vineyard (Dukes County, Massachusetts, USA). *Proceedings of the Entomological Society of Washington*. 118(1): 37-92. [Jan 2016]
- Kleijn, D., R. Winfree, I. Bartomeus, L. G. Carvalheiro, M. Henry, R. Isaacs, A.-M. Klein, C. Kremen, L. K. M’Gonigle, R. Rader, T. H. Ricketts, N. M. Williams, N. L. Adamson, J. S. Ascher, A. Báldi, P. Batáry, F. Benjamin, J. C. Biesmeijer, E. J. Blitzer, R. Bommarco, et al. 2015. Delivery of crop pollination services is an insufficient argument for wild pollinator conservation. *Nature Communications* 6(7414): 1-8.
- Hall, H. G., D. T. Almquist, J. S. Ascher. 2016. A new *Colletes* (Hymenoptera:

- Apoidea: Colletidae) species from northern Florida and Georgia, with notes on the *Colletes* of those states. *Journal of Melittology*. No. 58: 1-20.
- Silva, D. P., A. C. B. A. Macêdo, J. S. Ascher, P. De Marco, Jr. 2015. Range increase of a neotropical orchid bee under future scenarios of climate change. *Journal of Insect Conservation* 19(5): 901-910. [Oct 2015]
- Ostaff, D. P., J. S. Ascher, S. Javorek, A. Mosseler. New records of *Andrena* (Hymenoptera: Andrenidae) in New Brunswick, Canada. *Journal of the Acadian Entomological Society* 11: 5-8.
- Rasmussen, C., J. S. Ascher. 2015. Addendum to: Joseph Vachal (1838–1911): French entomologist and politician (*Zootaxa*, 3442, 1–52) *Zootaxa* 3931: 298-300.
- Gezon, Z. J., E. S. Wyman, J. S. Ascher, D. W. Inouye, R. E. Irwin. 2015. The effect of repeated, lethal sampling on wild bee abundance and diversity. *Methods in Ecology and Evolution* 6(9): 1044–1054.
- Ostaff, D. P., A. Mosseler, R. C. Johns, S. Javorek, J. Klymko, J. S. Ascher. 2015. Willows (*Salix* spp.) as pollen and nectar sources for sustaining fruit and berry pollinating insects. *Canadian Journal of Plant Science*: 95(3): 505-516.
- Hung, K.-I. J., J. S. Ascher, J. Gibbs, R. E. Irwin, D. T. Bolger. 2015. Effects of fragmentation on a distinctive coastal sage scrub bee fauna revealed through incidental captures by pitfall traps. *Journal of Insect Conservation* 19: 175-179
- Wagner, D. L. J. S. Ascher. 2014. In remembrance of Gerald Irving Stage (June 26, 1935-January 23, 2014). *Journal of the Kansas Entomological Society* 87(3): 318-323.
- Ascher, J. S., S. Kornbluth, R. G. Goelet. 2014. Bees (Hymenoptera: Apoidea: Anthophila) of Gardiners Island, Suffolk County, New York. *Northeastern Naturalist* 21(1): 47-71.
- Wagner, D. L., J. S. Ascher, N. K. Bricker. 2014. A transmission right-of-way as habitat for wild bees (Hymenoptera: Apoidea: Anthophila) in Connecticut. *Annals of the Entomological Society of America* 107(6): 1110-1120.
- Hall, H. G., J. S. Ascher. 2014. The distinctive bee fauna (Hymenoptera:Apoidea: Anthophila) of sandhill habitat at the Ordway-Swisher Biological Station in north-central Florida. *Journal of the Kansas Entomological Society* 87(1):1-21.
- Ksiazek, K., R. Tonietto, J. S. Ascher. 2014. Ten bee species new to green roofs in the Chicago Area. *Great Lakes Entomologist* 47(1-2): 87-92
- Bartomeus, I., J. S. Ascher, J. Gibbs, B. N. Danforth, D. L. Wagner, S. M. Hedtke, R. Winfree. 2013. Historical changes in northeastern United States bee pollinators related to shared ecological traits. *Proceedings of the National Academy of Sciences (USA)* 110: 4656-4660.
- Ascher, J. S. and M. S. Engel. 2012. Discovery of the bee genus *Perdita* in the West Indies: a new species from Isla Cabritos in the Dominican Republic. *Acta Entomologica Musei Nationalis Pragae* 52(2). 595-602.
- Gonzalez, V. H., J. S. Ascher, M. S. Engel. 2012. A new *Stelis* (*Dolichostelis*) from northern Colombia (Hymenoptera: Megachilidae): first records for South America and a synopsis of the bee fauna from the Caribbean region of Colombia. *Journal of Natural History* 46(47-48): 2919-2934.
- Ascher[“Asher” sic], J. S. and S. K. Javorek. 2012. Bees (Hymenoptera: Apoidea) of the

- Chiquibul Forest. Pp. 281-282 in S. Bridgewater (Ed.) A natural history of Belize: Inside the Maya Forest. The Natural History Museum, London, UK.
- Colla, S. R., J. S. Ascher, M. Arduser, J. Cane, M. Deyrup, S. Droege, J. Gibbs, T. Griswold, H. G. Hall, J. Neff, R. P. Jean, M. G. Rightmyer, C. Sheffield, M. Veit, A. Wolf. 2012. Documenting persistence of most eastern North American bee species (Hymenoptera: Apoidea: Anthophila) to 1990-2009. *Journal of the Kansas Entomological Society* 85(1):14-22.
- Bartomeus, I., J. S. Ascher, D. L. Wagner, B. N. Danforth, S. R. Colla, S. Kornbluth, and R. Winfree. 2011. Climate-associated phenological advances in bee pollinators and bee-pollinated plants. *Proceedings of the National Academy of Sciences (USA)* 108(51) 20645-20649.
- Rightmyer, M. G., M. A. Deyrup, J. S. Ascher, T. L. Griswold. 2011. *Osmia* species (Hymenoptera, Megachilidae) from the southeastern United States with modified facial hairs: taxonomy, host plants, and conservation status. *ZooKeys* 148:257-278.
- Hall, H. G., J. S. Ascher. 2011. Surveys of wild bees (Hymenoptera: Apoidea: Anthophila) in organic farms of Alachua County in north-central Florida. *Florida Entomologist* 94: 539-552.
- Kuhlmann, M., J. S. Ascher. 2011["2010"]. Two new synonymies of eastern North American *Colletes* Latr. species described from Japan (Hymenoptera: Colletidae). *Entomological News* 121(4): 325-328.
- Scott, V. L., J. S. Ascher, T. L. Griswold, C. R. Nufio. 2011. The Bees of Colorado (Hymenoptera: Apoidea: Anthophila). *Natural History Inventory of Colorado* 23. vi + 100 pp.
- Tonietto, R. [K.], J. B. Fant, J. [S.] Ascher, K. E. Ellis, D. J. Larkin. 2011. A comparison of bee communities of Chicago green roofs, parks and prairies. *Landscape and Urban Planning* 103(1): 102-108.
- Watson, J. C., A. T. Wolf, J. S. Ascher. 2011. Forested landscapes promote richness and abundance of native bees (Hymenoptera: Apoidea: Anthophila) in Wisconsin apple orchards. *Environmental Entomology* 40(3):621-632.
- Schuh, R. T., Hewson-Smith, S., J. S. Ascher. 2010. Specimen databases: a case study in entomology using web-based software. *American Entomologist* 56(4): 206-216.
- Hall, H. G., J. S. Ascher. 2010. Surveys of bees (Hymenoptera: Apoidea: Anthophila) in natural areas of Alachua County in north-central Florida. *Florida Entomologist* 93(4): 609-629.
- Vallely, A. C., R. J. Gallardo, J. S. Ascher. 2010. Notes on the birds of the Río Plátano Biosphere Reserve, including four new species for Honduras. *Bulletin of the British Ornithologists' Club* 130(1):52-60.
- Rozen, J. G., Jr., H. H. Özbek, J. S. Ascher, C. Sedivy, C. Praz, A. Monfared, A. Müller. 2010. Nests, petal usage, floral preferences, and immatures of *Osmia* (*Ozbekosmia*) *avosetta* (Megachilidae: Megachilinae: Osmiini), including biological comparisons with other osmiine bees. *American Museum Novitates* 3680:1-22.
- Gardiner, M. A., J. K. Tuell, R. Isaacs, J. Gibbs, J. S. Ascher, D. A. Landis. 2010.

- Implications of Three Biofuel Crops for Beneficial Arthropods in Agricultural Landscapes. *BioEnergy Research* 3:6-19.
- Packer L., C. S. Sheffield, J. Gibbs, N. de Silva, L. R. Best, J. [S.] Ascher, R. Ayala, D. Martins, S. P. M. Roberts, O. Tadauchi, M. Kuhlmann, P. H. Williams, C. Eardley, S. Droege, T. V. Levchenko. 2009. The campaign to barcode the bees of the world: progress, problems, prognosis. In: Yurrita, CL (Ed), *Memorias: VI Congreso Mesoamericano Sobre Abejas Nativas*. Universidad de San Carlos de Guatemala, Centro de Estudios Conservacionistas, pp. 178-180.
- Wolf, A. T., J. S. Ascher. 2009. Bees of Wisconsin (Hymenoptera: Apoidea: Anthophila). *The Great Lakes Entomologist* 41[2008](1-2): 129-168.
- Tonietto R. K., J. S. Ascher. 2009. Occurrence of the Old World bee species *Hylaeus hyalinatus*, *Anthidium manicatum*, *A. oblongatum*, and *Megachile sculpturalis*, and the native species *Coelioxys banksi*, *Lasioglossum michiganense*, and *L. zophops* in Illinois (Hymenoptera: Apoidea: Colletidae, Halictidae, Megachilidae). *The Great Lakes Entomologist* 41[2008](1-2): 200-203.
- Gibbs, J., J. S. Ascher, L. Packer. 2009. Proposal for precedence of *Dialictus* Robertson, 1902 and *Evylaeus* Robertson, 1902 over *Hemihalictus* Cockerell, 1897, *Sudila* Cameron, 1898 and *Sphecodogastra*, Ashmead, 1899 (Insecta, Hymenoptera). *Bulletin of Zoological Nomenclature* 66(2): 147-158.
- Rozen, J. G., Jr., H. Özbek, J. S. Ascher, M. G. Rightmyer. 2009. Biology of the bee *Hoplitis (Hoplitis) monstrabilis* Tkalcü and descriptions of its egg and larva (Megachilidae: Megachilinae: Osmiini). *American Museum Novitates* 3645: 12 pp.
- Tuell, J. K., J. S. Ascher, R. Isaacs. 2009. Wild Bees (Hymenoptera: Apoidea: Anthophila) of the Michigan highbush blueberry agroecosystem. *Annals of the Entomological Society of America* 102(2): 275-287.
- Fetridge, E. D., J. S. Ascher, G. A. Langellotto. 2008. The bee fauna of residential gardens in a suburb of New York City (Hymenoptera Apoidea). *Annals of the Entomological Society of America* 101(6):1067-1077.
- Engel, M. S., J. S. Ascher, D. Yanega. 2008. Case 3461 Ancylini Michener, 1944 (Insecta, Hymenoptera): proposed emendation of spelling to Ancylaini, to remove homonymy with Ancylini Rafinesque, 1815 (Mollusca, Gastropoda). *Bulletin of Zoological Nomenclature* 65(3): 198-201.
- Rasmussen, C. and J. S. Ascher. 2008. Heinrich Friese (1860-1948): Names proposed and notes on a pioneer melittologist (Hymenoptera, Anthophila). *Zootaxa* 1833: 1-118.
- Wagner, D. L. and J. S. Ascher. 2008. Rediscovery of *Epeoloides pilosula* (Hymenoptera: Apoidea: Apidae) in New England. *Journal of the Kansas Entomological Society* 81(2): 81-83.
- Winfrey, R., N. M. Williams, H. Gaines, J. S. Ascher, C. Kremen. 2008. Wild pollinators provide majority of crop visitation across land use gradients in New Jersey and Pennsylvania. *Journal of Applied Ecology* 45: 793-802.
- Matteson, K. C., J. S. Ascher, G. A. Langellotto. 2008. Bee richness and abundance in New York City urban gardens. *Annals of the Entomological Society of*

- America 101(1): 140-150.
- Kawakita, A., J. S. Ascher, T. Sota, M. Kato, D. W. Roubik. 2008. Phylogenetic analysis of the corbiculate bee tribes based on 12 nuclear protein-coding genes (Hymenoptera: Apoidea: Apidae). *Apidologie* 39(1): 163-175.
- Romey, W. L., J. S. Ascher, D.A. Powell, M. Yanek. 2007. Impacts of logging on midsummer diversity of native bees (Apoidea) in a northern hardwood forest. *Journal of the Kansas Entomological Society* 80(4): 327-338.
- Taki, H., P. G. Kevan, J. S. Ascher. 2007. Landscape effects of forest loss in a pollination system. *Landscape Ecology* 22(10): 1575-1587.
- Ascher, J. S., M. S. Engel, T. L. Griswold. 2006. A new species and subgenus of *Oxaea* from Ecuador (Hymenoptera: Andrenidae). *Polskie Pismo Entomologiczne* 75(4): 539-552
- Gardner, K.E., J. S. Ascher. 2006. Notes on the native bee pollinators in New York apple orchards. *Journal of the New York Entomological Society* 114(1-2): 86-91.
- Giles, V., J. S. Ascher. 2006. Bees of the Black Rock Forest Preserve, New York (Hymenoptera: Apoidea). *Journal of Hymenoptera Research* 15(2): 208-231.
- Ascher, J. S., P. Gambino, S. Droege. 2006. Adventive *Hylaeus* (*Spatulariella* Popov) in the New World (Hymenoptera: Apoidea: Colletidae). *Proceedings of the Entomological Society of Washington* 108(1): 237-239.
- Ascher, J. S., M. S. Engel. 2006. On the availability of family-group names based on *Scrapter* (Hymenoptera: Colletidae). *Entomological News* 117(1): 117-119.
- Buchmann, S. L., J. S. Ascher. 2005. The plight of pollinating bees. *Bee World* 86: 71-74.
- Ascher, J. S., M. S. Engel. pp. 13-17 in Engel. 2005. Family-group names for Bees (Hymenoptera: Apoidea) [descriptions of new subfamily Scraptrinae, new tribe Neffapini, and new subtribe Hesperapina]. *American Museum Novitates* No. 3476:1-33.
- Gusenleitner, F., M. Schwarz, J. S. Ascher, E. Scheuchl. 2005. Korrekturen und Nachträge zu Gusenleitner & Schwarz (2002): Weltweite Checkliste der Bienengattung *Andrena* mit Bemerkungen und Ergänzungen zu paläarktischen Arten (Hymenoptera: Apidae, Andreninae, *Andrena*)” *Entomofauna* 26(26): 437-472.
- Kawakita, A., T. Sota, M. Ito, J. S. Ascher, H. Tanaka, M. Kato, D. W. Roubik. 2004. Phylogeny, historical biogeography, and character evolution in bumble bees (*Bombus*: Apidae) based on simultaneous analysis of three nuclear gene sequences. *Molecular Phylogenetics and Evolution* 31: 799-804.
- Ascher, J. S. 2003. Evidence for the phylogenetic position of *Nolanomelissa* from nuclear EF-1 α sequence data. In Rozen, J. G., Jr. A new tribe, genus, and species of South American panurgine bee (Andrenidae: Panurginae), oligolectic on *Nolana* (Nolanaceae). pp. 107-108, in *Apoidea Neotropica: Homenagem aos 90 Anos de Jesus Santiago Moure*. G. A. R. Melo, I. Alves dos Santos, Eds. Criciúma: UNESC.
- Kawakita, A., T. Sota, J. S. Ascher, M. Ito, H. Tanaka, M. Kato. 2003. Evolution and

- phylogenetic utility of alignment gaps within intron sequences of three nuclear genes in bumble bees (*Bombus*). *Molecular Biology and Evolution* 20: 87-92.
- Ascher, J. S., and S. Patiny. 2002. A new name for the bee subgenus *Stenostylus* (Hymenoptera: Andrenidae). *Entomological News* 113: 140.
- Schultz, T. R., M. S. Engel, J. S. Ascher. 2001. Evidence for the origin of eusociality in corbiculate bees (Hymenoptera: Apidae). *Journal of the Kansas Entomological Society* 74(1): 10-16.
- Ascher, J. S., B. N. Danforth, S. Ji. 2001. Phylogenetic utility of the major opsin in bees (Hymenoptera: Apoidea): a reassessment. *Molecular Phylogenetics and Evolution* 19(1): 79-93.
- Ascher, J. S. 2001. *Hylaeus hyalinatus* Smith, a European bee new to North America, with notes on other adventive bees (Hymenoptera: Apoidea). *Proceedings of the Entomological Society of Washington* 103(1): 184-190.

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