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## Research outputs

### **Stimulus-dependent learning and memory in the neotropical ant *Ectatomma ruidum***

Riveros, A. J., Entler, B. V. & Seid, M. A., May 1 2021, In: *Journal of Experimental Biology*. 224, 9

### **Learning of bimodal versus unimodal signals in restrained bumble bees**

Riveros, A. J., Leonard, A. S., Gronenberg, W. & Papaj, D. R., May 2020, In: *Journal of Experimental Biology*. 223, 10, p. 1-9 9 p., jeb220103.

### **Magnetic compasses in insects**

Riveros, A. J. & Srygley, R. B., Jan 1 2019, *Encyclopedia of Animal Behavior*. Elsevier, p. 588-597 10 p.

### **Magnetic anisotropy and organization of nanoparticles in heads and antennae of neotropical leaf-cutter ants, *Atta colombica***

Alves, O. C., Srygley, R. B., Riveros, A. J., Barbosa, M. A., Esquivel, D. M. S. & Wajnberg, E., Oct 29 2014, In: *Journal of Physics D: Applied Physics*. 47, 43, 435401.

### **Color-dependent learning in restrained Africanized honey bees**

Jernigan, C. M., Roubik, D. W., Wcislo, W. T. & Riveros, A. J., Feb 2014, In: *Journal of Experimental Biology*. 217, 3, p. 337-343 7 p.

### **Do leaf-cutter ants *Atta colombica* obtain their magnetic sensors from soil?**

Riveros, A. J., Esquivel, D. M. S., Wajnberg, E. & Srygley, R. B., Jan 2014, In: *Behavioral Ecology and Sociobiology*. 68, 1, p. 55-62 8 p.

### **El Niño, Host Plant Growth, and Migratory Butterfly Abundance in a Changing Climate**

Srygley, R. B., Dudley, R., Oliveira, E. G. & Riveros, A. J., Jan 2014, In: *Biotropica*. 46, 1, p. 90-97 8 p.

### **Intoxicación por superwarfarinas**

Riveros Rivera, A. J., Aug 13 2013, *Tecnología en urgencias: Guía práctica*. 1 ed. Editorial Médica Celsus, p. 363 - 370

### **Evolution of brain size in class-based societies of fungus-growing ants (*Attini*)**

Riveros, A. J., Seid, M. A. & Wcislo, W. T., Apr 2012, In: *Animal Behaviour*. 83, 4, p. 1043-1049 7 p.

### **Metabolic scaling in insects supports the predictions of the WBE model**

Riveros, A. J. & Enquist, B. J., Jun 2011, In: *Journal of Insect Physiology*. 57, 6, p. 688-693 6 p.

### **Brain allometry and neural plasticity in the bumblebee *bombus occidentalis***

Riveros, A. J. & Gronenberg, W., Jun 2010, In: *Brain, Behavior and Evolution*. 75, 2, p. 138-148 11 p.

### **Sensory allometry, foraging task specialization and resource exploitation in honeybees**

Riveros, A. J. & Gronenberg, W., May 2010, In: *Behavioral Ecology and Sociobiology*. 64, 6, p. 955-966 12 p.

### **El Niño and dry season rainfall influence hostplant phenology and an annual butterfly migration from Neotropical wet to dry forests**

Srygley, R. B., Dudley, R., Oliveira, E. G., Aizprúa, R., Pelaez, N. Z. & Riveros, A. J., Mar 2010, In: *Global Change Biology*. 16, 3, p. 936-945 10 p.

### **Ambientes conductuales y plasticidad cerebral: de la vida solitaria a la social**

Riveros Rivera, A. J., 2010, *Bases Biológicas Del Comportamiento Animal Y Humano*. Bogotá: Universidad Nacional de Colombia

### **Migration, Orientation and Navigation: Magnetic Compasses in Insects**

Riveros Rivera, A. J. & Srygley, R. B., 2010, *Encyclopedia of Animal Behavior*. Elsevier Ltd, p. 305-313 8 p. (Book Chapter).

### **Olfactory learning and memory in the bumblebee *Bombus occidentalis***

Riveros, A. J. & Gronenberg, W., Jul 2009, In: *Naturwissenschaften*. 96, 7, p. 851-856 6 p.

### **Body size and the neural, cognitive and sensory basis of sociality in bees**

Riveros Rivera, A. J., 2009, 118 p.

### **Learning from learning and memory in bumblebees**

Riveros, A. J. & Gronenberg, W., 2009, In: *Communicative and Integrative Biology*. 2, 5, p. 437-440 4 p.

### **Nesting biology of *Euglossa dodsoni* Moure (Hymenoptera: Euglossinae) in Panama**

Riveros, A. J., Hernández, E. J. & Wcislo, W. T., 2009, In: *Journal of the Kansas Entomological Society*. 82, 2, p. 210-214 5 p.

### **Social brains and behavior: past and present**

Riveros Rivera, A. J. & Gronenberg, W., 2009, *Organization of Insect Societies: From Genome to Sociocomplexity*. Cambridge: Harvard University, p. 377-401 24 p. (Organization of insect societies: from genome to sociocomplexity).

### **Do leafcutter ants, *Atta colombica*, orient their path-integrated home vector with a magnetic compass?**

Riveros, A. J. & Srygley, R. B., Apr 2008, In: *Animal Behaviour*. 75, 4, p. 1273-1281 9 p.

### **On Lilliputians and Brobdingnagians: From Bacteria to Blue Whales**

Riveros Rivera, A. J., 2007, *Trends in Ecology and Evolution*.

### **Experimental evidence for a magnetic sense in Neotropical migrating butterflies (Lepidoptera: Pieridae)**

Srygley, R. B., Dudley, R., Oliveira, E. G. & Riveros, A. J., Jan 2006, In: *Animal Behaviour*. 71, 1, p. 183-191 9 p.

### **Behavioral maturation and learning in the bumblebee *Bombus occidentalis* (Hymenoptera: Apidae)**

Riveros Rivera, A. J. & Gronenberg, W., 2006.

### **Morphological constraints and nectar robbing in three Andean bumble bee species (Hymenoptera, Apidae, Bombini)**

Riveros Rivera, A. J., Hernández, E. J. & Nates-Parra, G., 2006, In: *Caldasia*. p. 111-114 4 p.

## **Activities**

### **Condicionamiento de abejas**

Andre Josafat Riveros Rivera (Participant)

Aug 1 2019 → Jan 31 2020

### **Neuroanatomía de abejas**

Andre Josafat Riveros Rivera (Participant)

Aug 1 2019 → Jan 31 2020

## Projects