

Curriculum Vitae

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Thibaut DELSINNE – Ph.D.

Personal data

Date and place of birth: 12 February 1978; Lille (France)
Citizenship: French
Status: Married
Professional address: Royal Belgian Institute of Natural Sciences; Section of Biological Evaluation; Rue Vautier, 29; B-1000 Brussels (Belgium).
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Research interests

Biological conservation, biological evaluation, biodiversity monitoring, tropical ecology, entomology, myrmecology (community ecology, behaviour, invasive species, chemical ecology, biogeography, taxonomy), ornithology.

Languages

French (mother tongue), English, Spanish.

Scientific career

2009-present: Assistant, Royal Belgian Institute of Natural Sciences (RBINS).
"Use of ants to monitor mountain rainforest disturbances caused by atmospheric changes in Ecuador".

2008: Assistant, RBINS. Evaluation of the biological quality of 6 sites for possible development of wind turbine parks in Belgium; inventory and monitoring of fauna (birds, butterflies, dragonflies, mammals) and flora.

October-December 2007: Assistant, RBINS - Belgian Biodiversity Information Facility (BeBIF). Digitization of an ant reference collection from the Paraguayan dry Chaco; <http://projects.biodiversity.be/ants/>

Education

2002-2007: Doctoral studies (Ph.D.), RBINS - Université Libre de Bruxelles (ULB), Belgium. Thesis title: *"Structure of ant assemblages along an aridity gradient in the Paraguayan dry Chaco."* Advisors: Maurice Leponce (RBINS) and Yves Roisin (ULB). Available at <http://theses.ulb.ac.be/ETD-db/collection/available/ULBetd-09252007-171119/>

2001: Pre-doctoral studies (D.E.A.) in Biology of Evolution and Ecology, University of Montpellier, France (UMII). Mention Assez Bien.

2000: Master Population and Ecosystem Biology, University of Lille, France (USTL). Mention Bien. Ranked 2 out of 104.

1999: Bachelor in Organism Biology, USTL.
Mention Bien. Ranked 1 out of 205.

1998: Two year degree (D.E.U.G.) in Life Sciences, USTL.
Mention Bien. Ranked 10 out of 450.

Publications and professional services

SCIENTIFIC ARTICLES

Delsinne T., Roisin Y., Herbauts J., Leponce M. 2010. Ant diversity along a wide rainfall gradient in the Paraguayan Chaco. *Journal of Arid Environments*, 74: 1149-1155.

Fourrez J.-F., **Delsinne T.**, Lafontaine R.-M. 2010. Retour de la Pie-grièche (*Lanius collurio*) en Hainaut occidental. *Le Guignard 2008*: 86-91.

MacKay W., **Delsinne T.** 2009. A new species of carpenter ant (Hymenoptera: Formicidae: *Camponotus*) from Paraguay with a key to the New World members of the *maculatus* species complex.. *Sociobiology*, 53: 487-498.

Delsinne T., Leponce M., Theunis L., Braet Y., Roisin, Y., 2008: Rainfall influences ant sampling in dry forests. *Biotropica*, 40: 590-596.

Delsinne T., Roisin Y., Leponce M., 2007: Spatial and temporal foraging overlaps in a Chacoan ground-foraging ant assemblage. *Journal of Arid Environments*, 71: 29-44.

Delsinne T., Morisson M., Sehoé F., Bichou Y., Jean-Jacques R., Carpier-Toxe M., Kelle L., 2003: Nidification du pluvier de Wilson *Charadrius wilsonia cinnamominus* sur le littoral de l'Ouest guyanais. *Alauda*, 71: 261-268.

Heil M., **Delsinne T.**, Hilpert A., Schürkens S., Andary C., Linsenmair K.E., Sousa M., McKey D., 2002: Reduced chemical defence in ant-plants ? A critical re-evaluation of a widely accepted hypothesis. *Oikos*, 99: 457-468.

Delsinne T., Jourdan H., Chazeau J., 2001: Premières données sur la monopolisation de ressources par l'envahisseur *Wasmannia auropunctata* (Roger) 1863 au sein d'une myrmécophage de forêt sèche néo-calédonienne. *Actes Coll. Insectes Sociaux*, 14: 1-5.

BOOK CHAPTERS

Barré N., **Delsinne T.**, Fontaine B., *in press*. Terrestrial bird Communities. *In*: Bouchet, P. et al. (eds). The Natural History of Santo.

Roisin Y., Corbara B., **Delsinne T.**, Orivel J., Leponce M., *in press*. Focus on termites. *In*: Bouchet, P. et al. (eds). The Natural History of Santo.

DISSERTATIONS

2007: Structure des assemblages de fourmis le long d'un gradient d'aridité situé dans le Chaco sec paraguayen. Ph.D. thesis, Université Libre de Bruxelles, 241 pp.

2001: Ecologie chimique d'un mutualisme de protection. Impact des défenses biotiques sur l'investissement dans le système des défenses chimiques des plantes myrmécophytes. Mémoire de DEA. Université de Montpellier II. 35 pp +annexes.

2000: Etude de l'invasion en forêt sclérophylle néo-calédonienne de la fourmi peste *Wasmannia auropunctata* (Roger) 1863. Mémoire de Maîtrise. Université des Sciences et Technologies de Lille. 63 pp+annexes.

- Sonet G., Nagy Z.T., **Delsinne T.**, Wauters N., Jacquemin J., Leponce M. 2011. Validation of the DNA barcoding approach to survey ant communities in the Ecuadorian Andes. Biosystematics, Berlin, Germany, 21-27 February, pp.343-344 (Poster).
- Delsinne T.**, Arias Penna T.M., Leponce M. 2011. Effects of experimental rainfall exclusion on a diverse ant assemblage along an elevational gradient in the Ecuadorian Andes. Fifth International conference of the International Biogeography Society, Irakleio, Crete, Greece, 07-11 January, p.97 (Poster).
- Delsinne T.**, Arias Penna T.M., Leponce M. 2010. Effects of experimental rainfall exclusion on a diverse ant assemblage from Ecuadorian mountain rainforests. Symposium annuel de la Société royale belge d'Entomologie, Brussels, Belgium, 03 December, p.26 (Talk).
- Delsinne T.**, Arias Penna T.M., Leponce M. 2010. Effects of experimental rainfall exclusion on a diverse ant assemblage from Ecuadorian mountain rainforest. Meeting of the International Union for the Study of Social Insects (IUSSI), Copenhagen, Denmark, 08-13 August, p.44 (Talk).
- Delsinne T.**, Roisin Y., Herbauts J., Leponce, M. 2009. Influence of aridity and soil on the distribution and diversity of ant assemblages and dominant plant. Joint Meeting of Association for Tropical Biology and Conservation & Society for Tropical Ecology, Marburg, Germany, 27-30 July, p.574 (Poster).
- Leponce M., Wauters N., Jacquemin J., **Delsinne T.**, Roisin Y. 2009. High elevation ants from the Ecuadorian Andes. Joint Meeting of Association for Tropical Biology and Conservation & Society for Tropical Ecology, Marburg, Germany, 27-30 July, p. 486 (Poster).
- Leponce M., Delabie J., Orivel J., Corbara B., Roisin Y., **Delsinne T.**, Dejean A. 2006. Ants and their role in international environmental projects. International Union for the Study of Social Insects Congress, Washington, DC, USA, 30 July- 05 Aug., p.81 (Talk given by ML).
- Delsinne T.**, Roisin Y., Leponce M. 2005. Beta-diversity of ant assemblages in the Paraguayan dry Chaco and its implication for conservation. Association for Tropical Biology and Conservation meeting, Uberlândia, Brasil, 24-28 July, p.72 (Talk).
- Delsinne T.**, Roisin Y., Leponce M. 2004. Temporal foraging overlaps in a Chacoan dry forest ant assemblage. Annual Meeting of the Association for Tropical Biology and Conservation, Geographic And Conceptual Frontiers Of Tropical Biology, Knight Convention Center, Miami, Florida, USA, 12-16 July, p.59 (Poster).
- Delsinne T.**, Leponce M., Roisin Y. 2003. Etude des recouvrements temporel et spatial lors du fourrageage au sein d'une communauté de fourmis des litières forestières dans le Chaco sec paraguayen. Colloque annuel de la Section Française de l'Union Internationale pour l'Etude des Insectes Sociaux (UIEIS-SF), Bruxelles, Belgium, 01-03 September, p.23 (Talk).
- Delsinne T.**, Leponce M., Roisin Y. 2003. Spatial and temporal foraging overlaps in a Chacoan ground-foraging ant assemblage. Joint working day of Ph.D. students from RBINS and the Natural History Museum of London, RBINS, Brussels, Belgium 07 July (Talk).
- Delsinne T.**, Morisson M., Sehoe F., Bichou Y., Jean-Jacques R., Carpièr-Toxe M., Kelle L 2003. Nidification du pluvier de Wilson (*Charadrius wilsonia*, Ord, 1814) sur le littoral de l'Ouest guyanais. Meeting of the Société d'Etudes Ornithologiques de France (SEOF), Strasbourg, France, 03 September (Poster).
- Delsinne T.**, Jourdan H., Chazeau J. 2000. Monopolisation de ressources par *Wasmannia auropunctata* au sein d'une myrmécophage de forêt sèche néo-calédonienne. Colloque annuel de la Section Française de l'Union Internationale pour l'Etude des Insectes Sociaux (UIEIS-SF), Dijon, France, 06-08 September, p.58 (Poster).

SCIENTIFIC REFEREE FOR:

Insect Conservation and Diversity (2 manuscripts),
Journal of Biological Research (1),
Terrestrial Arthropod Reviews (1)
Book chapters of "Hormigas Cazadoras de Colombia" (Instituto de Recursos Biológicos "Alexander von Humboldt", Jimenez et al. 2008.)

Research experiences

TRAINING EXPERIENCES WITH ANTS

June 2008: Field experience during the international research project IBISCA-Auvergne (France). I sampled the ant assemblages distributed from the ground to the canopy levels of forests located along a gradient of anthropogenic disturbance.

October-November 2006: Field experience during the international research projects IBISCA-Queensland (Australia) and IBISCA-Santo (Vanuatu) [www.ibisca.net]. I sampled the ant assemblages distributed from the ground to the canopy levels of forests located along altitudinal gradients.

05-15 August 2004: Student at the "Ant Course 2004"; La Selva Biological Station, Costa-Rica.
http://www.calacademy.org/research/entomology/ant_course/

February-November 2001: Pre-doctoral training at the "Centre National de la Recherche Scientifique" (CNRS), Montpellier, France. I studied the chemical ecology of different ant-plant symbioses. Advisors: Doyle McKey and Claude Andary.

April-May 2000: Master training at the "Institut de Recherche pour le Développement" (IRD), Noumea, New Caledonia. I studied the invasive ant species *Wasmannia auropunctata* and its competitive ability in a dry forest of New Caledonia. Advisors: Jean Chazeau and Hervé Jourdan.

OTHER EXPERIENCES

22-26 October 2007: Organization member of the first meeting for the negotiation of an Agreement on the Conservation of Gorillas and their Habitats. This Agreement was under the auspices of the UN Convention on Migratory Species (CMS).
www.sciencesnaturelles.be/sciences/projects/gorilla.

May-August 2002: Volunteer work in collaboration with the W.W.F. of Cayenne, French Guyana, France. I participated at the protection of laying beaches of sea turtles (tourist guide, protection of isolated sites, biometric survey of *Dermochelys coriacea*) and I studied sea birds (*Charadrius wilsonia* reproduction particularly). Supervisor: Laurent Kelle.

January 2001: Pre-doctoral training at the Herpetological Laboratory of the Australian Museum, Sydney, Australia. I studied the taxonomic status of the Scincidae lizard *Caledoniscincus austrocaledonicus* thanks to morphological survey. Advisor: Ross Sadler.

August 1999: Volunteer training at the "Office National des Forêts" (ONF), Saint-Sébastien, France. I inventoried birds (in particular prey birds) present at the Obiou mountain. Advisor: Jean-Pierre Agresti.

January-February 1998: DEUG training at the "Vallée des Papillons", Le Carbet, Martinique, France. I studied butterfly breeding. Advisor: Hervé Damico.