

## Publications list - Doms Claudie

55. **Doms C.** Monnin T. 2020. To have and not to have sex: When multiple evolutions of conditional use of sex elegantly solve the question in the ant genus *Cataglyphis*. **Molecular Ecology**. 29 : 445–447 (invited news and views).
54. Khimoun A., **Doms C.** Mollet M., Kaufman B., Peronnet R., Eyer P.A. Mona S. 2020. Urbanization without isolation: the absence of genetic structure among cities and forests in the tiny acorn ant *Temnothorax nylanderii*. **Biology Letters**. 16: 20190741.
53. Monnin T, Helft F, Leroy C, d’Ettorre P. **Doms C.** 2018. Chemical characterization of young virgin queens and mated egg-laying queens in the ant *Cataglyphis cursor*. **Journal of Chemical Ecology**, 44 : 127-136.
52. **Doms C.**, Fédérici P, Chifflet-Belle P, Monnin T. 2018. Worker thelytoky allows requeening of orphaned colonies but increases susceptibility to reproductive cheating in an ant. **Animal Behaviour**, 135 : 109-119.
51. Colin T, **Doms C.**, Péronnet R, Molet M. 2017. Decreasing worker size diversity does not affect colony performance during laboratory challenges in the ant *Temnothorax nylanderii*. **Behavioral Ecology and Sociobiology**, 71 : 92.
50. Molet M, Péronnet R, Couette S, Canovas C, **Doms C.** 2017. Effect of temperature and social environment on worker size in the ant *Temnothorax nylanderii*. **Journal of Thermal Biology**, 67 : 22-29.
49. Boulay R, Aron S, Cerdà X, **Doms C.**, Graham P, Hefetz A, Monnin T. 2017. Social life in arid environments: the case study of *Cataglyphis* ants. **Annual Review of Entomology**, 62, 305-321.
48. Cronin A, Monnin T, Sillam-Dussès D, Aubrun F, Fédérici P, **Doms C.** 2016. Qualitative bias in offspring investment in a superorganism is linked to dispersal and nest inheritance. **Animal Behavior**, 199, 1-9.
47. Amor F, Villalta I, **Doms C.**, Angulo E, Caut S, Castro S, Cerdá X, Boulay R. 2016. Nutritional versus genetic correlates of caste differentiation in a desert ant. **Ecological Entomology**, 41, 660-667.
46. Cronin A, Chifflet-Belle P, Fédérici P, **Doms C.** 2016. High inter-colonial variation in worker nestmate relatedness and diverse social structure in a desert ant from Mongolia. **Insectes Sociaux**, 63, 87-98.
45. Helft F, **Doms C.**, Monnin T. 2016. No evidence of pre-copulatory mate choice by gynes in the facultatively parthenogenetic ant *Cataglyphis cursor*. **Insectes Sociaux**, 63, 199-201.
44. Helft F, Monnin T, **Doms C.** 2015. First Evidence of inclusive sexual selection in the ant *Cataglyphis cursor* : worker aggressions differentially affect male access to virgin queens. **Ethology**, 121, 1-10.
43. Westhus C, Ugelvig LV, Tourdot E, Heinze J, **Doms C.**, Cremer S 2014 Increased grooming after repeated brood care provides sanitary benefits in a clonal ant. **Behavioral Ecology and Sociobiology** 68, 1701-1710.
42. **Doms C.**, Ruel C, Clémencet J, Fédérici P, Cournault L, Aron S. 2013. Fertile diploid males in the ant *Cataglyphis cursor*: a potential cost of thelytoky? **Behavioral Ecology and Sociobiology**, 67, 1983-1993.
41. **Doms C.**, Cronin AL, Fédérici P, Haussy C, Tirard C, Monnin T. 2013. Facultative use of thelytokous parthenogenesis for queen production in the polyandrous ant *Cataglyphis cursor*. **Journal of Evolutionary Biology** 26, 1431-1444.
40. Cronin AL, Molet M, **Doms C.**, Monnin T, Peeters C. 2013. Recurrent evolution of dependent colony foundation across eusocial insects. **Annual Review of Entomology**, 58, 37-55.
39. Helft F, Tirard C, **Doms C.** 2012. The effects of division of labour on phenoloxidase based immunity in workers of the ant *Cataglyphis cursor*. **Insectes sociaux**, 59, 333-340.

38. Cronin AL, Fédérici P, **Doums C**, Monnin T. 2012. The influence of intraspecific competition on resource allocation during dependent colony foundation in a social insect. **Oecologia**, 168, 361-369.
37. Cronin A, Monnin T, Haussy C, **Doums C**. 2011. Opportunities for mate choice in the fission performing ant *Cataglyphis cursor*. **Ecological Entomology**, 36, 522-525.
36. Chéron B, Monnin T, Fédérici P, **Doums C**. 2011. Variation in patriline reproductive success during queen production in orphaned colonies of the thelytokous ant *Cataglyphis cursor*. **Molecular Ecology**, 20, 2011-2022.
35. Chéron B\*, Cronin AL\*, **Doums C**, Haussy C, Tirard C, Monnin T. 2011. Unequal resource allocation among colonies produced by fission in the ant *Cataglyphis cursor*. **Ecology**, 92, 1448-1458. \* Co-premier auteur
34. Clémencet J, Cournault L, Odent A, **Doums C**. 2010. Worker thermal tolerance in the thermophilic ant *Cataglyphis cursor*. **Insectes Sociaux**, 57, 11-15.
33. Chéron B, **Doums C**, Fédérici P, Monnin T. 2009. Queen replacement in the monogynous ant *Aphaenogaster senilis*: supernumerary queen as life insurance. **Animal Behaviour**, 78, 1317-1325.
32. Monnin T, Cini A, Lecat V, Fédérici P, **Doums C**. 2009. No actual conflict over colony inheritance despite high potential conflict in the social wasp *Polistes dominulus*. **Proceedings of the Royal Society of London B**, 276, 1593-1601.
31. Galarza, JA, Boulay R, Cerdá X, **Doums C**, Federici P, Magalon H, Monnin T, Rico C. 2009. Development of single sequence repeat markers for the ant *Aphaenogaster senilis* and cross-species amplification in *A.iberica*, *A.gibbosa*, *A.subterranea* and *Messor maroccanus*. **Conservation Genetics**, 10, 519-521.
30. Bocher A, **Doums C**, Millot L, Tirard C. 2008. Reproductive conflicts affect labour and immune defence in the queenless ant *Diacamma 'nilgiri'*. **Evolution**, 62, 123-134.
29. Clémencet J, Rome Q, Fédérici P, **Doums C**. 2008 Aggressions and size-related fecundity of queenless workers in the ant *Cataglyphis cursor*. **Naturwissenschaften**, 95, 85-175.
28. Bocher A, Tirard C, **Doums C**. 2007. Phenotypic plasticity of immune defence linked with foraging activity in the ant *Cataglyphis velox*. **Journal of Evolutionary Biology**, 20, 2228-2234.
27. Hora RR, Poteaux C, **Doums C**, Fresneau D, Fénéron R. 2007. Egg cannibalism in a facultative polygynous ant: conflict for reproduction or strategy to survive? **Ethology**, 113, 909-916.
26. Clémencet J, **Doums C**. 2007. Habitat-related microgeographic variation of worker size and colony size in the ant *Cataglyphis cursor*. **Oecologia**, 152, 211-218.
25. Zinck L, Jaisson P, Hora RR, Denis D, Poteaux C, **Doums C**. 2007. The role of breeding system on ant ecological dominance: genetic analysis of *Ectatomma tuberculatum*. **Behavioral Ecology**, 18, 701-708.
24. André JB, Peeters C, Huet M, **Doums C**. 2006. Estimating the rate of gamergate turnover in the queenless ant *Diacamma cyaneiventre* using a maximum likelihood model. **Insectes Sociaux**, 53, 233-244.
23. Hora RR, **Doums C**, Poteaux C, Fénéron R, Valenzuela J, Heinze J, Fresneau F. 2005. Small queens in the ant *Ectatomma tuberculatum*: a new case of social parasitism. **Behavioral Ecology and Sociobiology**, 59, 285-292.
22. Clémencet J, Viginier B, **Doums C**. 2005. Hierarchical analysis of population genetic structure in the monogynous ant *Cataglyphis cursor* using microsatellite and mitochondrial DNA markers. **Molecular Ecology**, 14, 3735-3744.
21. Percy M, Aron S, **Doums C**, Keller L. 2004. Conditional use of sex and parthenogenesis for worker and queen production in ants. **Science**, 306, 1780-1783.
20. Percy M, Clémencet J, Chameron S, Aron S, **Doums C**. 2004. Characterization of nuclear DNA microsatellite markers in the ant *Cataglyphis cursor*. **Molecular Ecology Notes**, 4, 642-644.
19. Viginier B, Peeters C, Brazier L, **Doums C**. 2004. Very low genetic variability in the Indian queenless ant *Diacamma indicum*. **Molecular Ecology**, 13, 2095-2100.

18. Baudry E, Peeters C, Brazier L, Veuille M, **Doums C**. 2003. Shift in the behaviours regulating monogyny is associated with high genetic differentiation in the queenless ant *Diacamma ceylonense*. **Insectes Sociaux**, 50, 390-397
17. **Doums C**, Cabrera H, Peeters C. 2002. Population genetic structure and male-biased dispersal in the queenless ant *Diacamma cyaneiventre*. **Molecular Ecology**, 11, 2251-2264.
16. **Doums C**, Moret Y, Benelli E, Schmid-Hempel P. 2002. Senescence of immune defence in *Bombus* workers. **Ecological Entomology**, 27, 138-144.
15. Myskowiak JB, **Doums C**. 2002. Effects of refrigeration on the biometry and development of *Protophormia terraenovae* (Robineau-Desvoidy) (Diptera: Calliphoridae) and its consequences in estimating post-mortem interval in forensic investigations. **Forensic Science International**, 125, 254-261.
14. André JB, Peeters C, **Doums C**. 2001. Serial polygyny and colony genetic structure in the monogynous queenless ant *Diacamma cyaneiventre*. **Behavioral Ecology and Sociobiology**, 50, 72-80
13. **Doums C**, Schmid-Hempel P. 2000. Immunocompetence in workers of a social insect, *Bombus terrestris* L., in relation to foraging activity and parasitic infection. **Canadian Journal of Zoology**, 78, 1060-1066
12. **Doums C**. 1999. Characterization of microsatellite loci in the queenless Ponerine ant *Diacamma cyaneiventre*. **Molecular Ecology**, 8, 1957-1959.
11. Olsson M, Pagel M, Shine R, Madsen T, **Doums C**, Gullberg A, Tegelström H. 1999. Sperm choice and sperm competition: Suggestions for field and laboratory studies. **Oikos**, 84, 172-175.
10. **Doums C**, Perdieu MA, Jarne P. 1998. Resource allocation and stressful conditions in the aphyllid snail *Bulinus truncatus*. **Ecology**, 79, 720-733.
9. **Doums C**, Viard F, Jarne P. 1998. The evolution of phally polymorphism. **Biological Journal of the Linnean Society**, 64, 273-296.
8. Petrie M, **Doums C**, Moller AP. 1998. The degree of extra-pair paternity increases with genetic variability. **Proceedings of the National Academy of Sciences, USA**, 95, 9390-9395.
7. **Doums C**, Viard F, David P, Jarne P. 1997. Phally status and size in Niger populations of *Bulinus truncatus* (Gastropoda: Planorbidae). **Journal of Molluscan Studies**, 63, 111-115.
6. Viard F, **Doums C**, Jarne P. 1997. Selfing, sexual polymorphism and microsatellites in the hermaphroditic freshwater snail *Bulinus truncatus*. **Proceedings of the Royal Society of London, B**, 264, 39-44.
5. **Doums C**, Bremond P, Delay B, Jarne P. 1996. The genetical and environmental determination of phally polymorphism in the freshwater snail *Bulinus truncatus*. **Genetics**, 142, 217-225.
4. **Doums C**, Jarne P. 1996. The evolution of phally polymorphism in *Bulinus truncatus* (Gastropoda, Planorbidae): The cost of male function analysed through life-history traits and sex allocation. **Oecologia**, 106, 464-469.
3. **Doums C**, Labbo R, Jarne P. 1996. Stability and genetic basis of variability of phally polymorphism in natural populations of the self-fertile freshwater snail *Bulinus truncatus*. **Genetical Research**, 68, 23-33.
2. **Doums C**, Viard F, Pernot AF, Delay B, Jarne P. 1996. Inbreeding depression, neutral polymorphism, and copulatory behavior in freshwater snails: A self-fertilization syndrome. **Evolution**, 50, 1908-1918.
1. **Doums C**, Delay B, Jarne P. 1994. A problem with the estimate of self-fertilization depression in the hermaphrodite freshwater snail *Bulinus truncatus*: The effect of grouping. **Evolution**, 48, 498-504.

## Communications

### Talk in international congress

(\*\* = invited talk)

26. Honorio R., **Doms C.**, Molet M. (2018). Role of the social environment in the larval development in ants. XVIIIth International Congress of the International Union for the Study of Social Insects, Guarujá – São Paulo, Brésil.
25. **Doms C.**, Chifflet-Belle P., Fédérici P., Monnin T., (2018) Facultative use of sex for queen production in an ant: does inbreeding level of the queen matter ? *Evolution 2018 Montpellier. Joint Congress on Evolutionary Biology.*
24. Molet M., Colin T., Péronnet R., **Doms C.**, (2016) Continuous morphological diversity of workers in the ant *Temnothorax nylanderi*: adaptive phenotypic plasticity or relaxed selection? *International Congress of the International Union for the Study of Social Insects*, Helsinki, Finlande.
23. Helft F., Monnin T., **Doms C.**, (2014) The ant *Cataglyphis cursor*, a model to study sexual selection. International Congress of International Union for the Study of Social Insects, Cairns (Australia)
22. Westhus C., Cremer S., **Doms C.**, (2012) Who performs undertaking in the ant *Cataglyphis velox*? 5<sup>th</sup> Congress of the European Sections of the IUSSI, Montecatini Terme (Italy)
21. Monnin T., Chéron B., Cronin A.L., Fédérici P., **Doms C.**, (2010) Resource allocation during colony fission in the ant *Cataglyphis cursor*. XVI International Congress of the International Union for the Study of Social Insects, Copenhagen, (Denmark)
20. Monnin T., Cronin A.L., Chéron B., **Doms C.**, Fédérici P., (2010) Queen replacement and suicidal passivity in the ant *Aphaenogaster senilis*. XIII International Behavioral Ecology Congress, Perth (Australia)
19. Chéron B., Monnin T., **Doms C.**, (2008) The mechanism of queen selection during queen replacement in a fission-performing ant. *European congress of the International Union for the study of Social Insect*, La Roche-en-Ardenne (Belgium)
18. Cini A., Lecat V., **Doms C.**, Fédérici P., Monnin T., (2008) Lack of conflict over nest inheritance between workers and subordinate foundresses in the social wasp *Polistes dominulus*. *European congress of the International Union for the study of Social Insect*, La Roche-en-Ardenne (Belgium)
17. Devès A.L., **Doms C.**, Haussy C., Tirard C., (2008) Phenoloxydase activity in queens in relation to the exposure risks in the ant *Cataglyphis cursor*. *European congress of the International Union for the study of Social Insect*, La Roche-en-Ardenne (Belgium)
16. Ruel C., Fédérici P., **Doms C.**, (2008) Paternity sharing in the polyandrous ant *Cataglyphis cursor*. *European congress of the International Union for the study of Social Insect*, La Roche-en-Ardenne (Belgium)
15. Chéron B., Monnin T., **Doms C.**, (2008) The mechanism of queen selection in orphan colonies of the fission-performing ant. *International Congress of Zoology*, Paris (France)
14. Monnin T., Cini A., Lecat V., Fédérici P., **Doms C.**, (2008) Nest inheritance in the social wasp *Polistes dominulus*. XXIII International Congress of Entomology, Durban (Sout Africa)
13. Bocher A., **Doms C.**, Millot L., Tirard C., (2006) Reproductive conflicts affect labour and immune defenses in the queenless ant *Diacamma sp.* (Nilgiri, south India). *International Union for the Study of Social Insects*, Washington DC (USA)
12. Clémencet J., **Doms C.**, (2006) Worker size and colony fitness in the polyandrous ant *Cataglyphis cursor*. *International Union for the Study of Social Insect Congress (IUSSI)*, Washington D.C. (USA)

11. Clémencet J., **Doms C.**, (2006) Level of polyandry and worker body size in the ant *Cataglyphis cursor*. *International Society Behavioural Ecology Congress (ISBE)*, Tours (France)
10. **Doms C.**, Cabrera H., (2001)\*\* Sex-biased dispersal and population genetic structure of the queenless ant *Diacamma cyaneiventre*. *European meeting of the International Union for the study of social insect IUSSI*, Berlin (Germany)
9. **Doms C.**, André J.B., (2000) Effects of gamergate turn-over on the population and colony genetic structure of the queenless ant *Diacamma cyaneiventre*. TMR workshop on social evolution, Zurich (Switzerland)
8. **Doms C.**, Schmid-Hempel P., (1998) Foraging activity reduces immune defenses in the bumble bee *bombus terrestris*. *International Union for the study of Social Insect IUSSI*. Adelaide (Australia)
7. **Doms C.**, (1998)\*\* Immune defence in the social insect *Bombus terrestris* in relation to foraging activity and parasitic infection. *European Science Foundation workshop on Parasite Defences and Trade-offs in Evolutionary Ecology*. Uppsala (Sweden)
6. **Doms C.**, Jarne P., (1996) The evolution of phally polymorphism in the hermaphrodite freshwater snail *Bulinus truncatus* : a modelisation approach. *Ecological Society of America congress*, Providence (USA)
5. **Doms C.**, Delay B., Jarne P., (1995) The evolution of phally polymorphism in the hermaphrodite freshwater snail *Bulinus truncatus* : genetic variation of the aphally frequency within and between populations. *Congress of European Society for Evolutionary Biology ESEB*, Edimburgh (UK)
4. **Doms C.**, Jarne P., (1994) On the evolution of aphally in the hermaphrodite freshwater snail *Bulinus truncatus*. *European Science Foundation workshop on Genetic Conflicts and Parasitism*, Paris (France)
3. **Doms C.**, Delay B., Jarne P., (1993) On the factors influencing the evolution of phally polymorphism in the hermaphrodite snail *Bulinus truncatus*. *Meeting of Population Genetics Group*, Reading (UK)
2. **Doms C.**, Delay B., Jarne P., (1993) Life-history traits in aphallic versus euphallic *Bulinus truncatus* (hermaphrodite freshwater snail). *Congress of European Society for Evolutionary Biology*, Montpellier (France)
1. **Doms C.**, Jarne P., (1993) Comparative fitness of isolated aphallic and euphallic individuals. *Society for the Study of Evolution meeting*, Snowbird (USA)

### Posters in international congress

14. Westhus C., **Doms C.**, Cremer S., (2011) The effect of individual experience on hygienic task performance. *European Society for Evolutionary Biology Congress, ESEB*.Tübingen (Germany)
13. **Doms C.**, Chéron B., Fédérici P., Monnin T., (2010) Reproductive competition among worker patriline in the thelytokous ant *Cataglyphis cursor*. *XVI International Congress of International Union for the Study of Social Insects*, Copenhagen, (Denmark)
12. Westhus C., **Doms C.**, Cremer S., (2010) Hygienic brood care: is it affected by experience? *XVI International Congress of International Union for the Study of Social Insects*, Copenhagen (Denmark)
11. Chéron B., Monnin T., Fédérici P., Doms C., (2009) Production of replacement queens by thelytokous parthenogenesis of workers in the polyandrous ant *Cataglyphis cursor*. *European Society for Evolutionary Biology Congress, ESEB*, Turin (Italy)
10. Zinck L., Hora R.R., **Doms C.**, Jaisson P., (2006) Functional organization and genetic structuration of nests in patch in the ant *Ectatomma tuberculatum*.. *International Union for the Study of Social Insect Congress (IUSSI)*, Washington (USA)

9. Clémencet J., Cournault L., Odent A., **Doums C.**, (2005) Genetic diversity, worker polymorphism and colony fitness in the polyandrous ant *Cataglyphis cursor*. *European Society for Evolutionary Biology Congress (ESEB)*, Cracow (Poland)
8. Bocher A., **Doums C.**, Millot L., Tirard C. (2004) Impact of social conflicts on immunocompetence in a queenless ant, *Diacamma sp.*, from Nilgiri. *The closing symposium of the EU research training network INSECTS*. Helsingor (Denmark)
7. Clémencet J., **Doums C.**, (2004) Polyandry and colony size in the ant *Cataglyphis cursor*. *The closing symposium of the EU research training network INSECTS*. Helsingor (Denmark)
6. Zinck L., Hora R., **Doums C.**, Jaisson P., (2004) Complex genetic structure of monogynous colonies in the ant *Ectatomma tuberculatum*. *The closing symposium of the EU research training network INSECTS*. Helsingor (Denmark)
5. **Doums C.**, Viginier B., Brazier L., Peeters C., (2002) Very low genetic variation in the queenless ant *Diacamma indicum* suggests recent introduction to India. *International Union for the study of Social Insect*. Sapporo (Japan)
4. **Doums C.**, Schmid-Hempel P., (1998) Immune defence, foraging activity and parasites in the bumble bee *Bombus terrestris*. *TMR workshop on social evolution*, Uppsala (Sweden)
3. **Doums C.**, Schmid-Hempel P., (1998) Variation and costs of immune defenses in the bumble bee *Bombus terrestris*. *TMR workshop on social evolution*, Keele (U.K.)
2. **Doums C.** The evolution of life-history traits and mating systems. *TMR workshop on social evolution*, Arrhus (Denmark)
1. **Doums C.**, Schmid-Hempel P., (1997) Immune defenses and life-history traits in the bumble bee *Bombus terrestris*. *TMR workshop on social evolution*, Wurzburg, (Germany)

### Talks in national congress

22. Jacquier L., Tirard C., Doums C., Molet M. (2018) Differential response to heavy metal between urban and forest populations of the ant *Temnothorax nylanderii*. *Société Française d'Ecologie*, Rennes.
21. Dezeure J., Doums C., Péronnet R., **Doums C.**, Molet M. (2017) Contribution des facteurs individuels et sociaux aux différences morphologiques entre ouvrières de fourmis de *Temnothorax nylanderii* de deux populations (forêt et ville). *Congrès annuel de la section française de l'IUSSI, MNHN-Paris*.
20. Boursier T., Eyer P.A., Mona S., Khimoun A., Chifflet-Belle P., **Doums C.** (2017) Différenciation génétique des populations et spéciation chez le complexe d'espèces des fourmis à thélytoquie facultative du groupe *Cataglyphis cursor*. *Congrès annuel de la section française de l'IUSSI, MNHN-Paris*.
19. Molet M., Colin T., Péronnet R., **Doums C.** (2016) Continuous morphological diversity of workers in the ant *Temnothorax nylanderii*: adaptive phenotypic plasticity or relaxed selection? *9ème Symposium de Morphométrie et Evolution des Formes, Paris*.
18. Colin T., **Doums C.**, Molet M. (2015) No effect of size variability on life history traits in *Temnothorax nylanderii*. *Congrès annuel de la section française de l'IUSSI, Tours*.
17. **Doums C.**, Sanchez C., Monnin T., (2015) Détection morphologique d'œufs d'ouvrières dans les colonies avec reine chez la fourmi parthénogénétique *Cataglyphis cursor*. *Congrès annuel de la section française de l'IUSSI, Tours*.
16. **Doums C.**, Monnin T., (2013) Importance de la reproduction des ouvrières en population naturelle chez la fourmi parthénogénétique *Cataglyphis cursor*. *Congrès annuel de la section française de l'IUSSI, Villetaneuse*
15. Ziller A., Couette S., **Doums C.**, (2013) Diversité morphologique mâle chez la fourmi polyandre *Cataglyphis cursor* (Hymenoptera, Formicidae). *Congrès annuel de la section française de l'IUSSI, Villetaneuse*

14. Helft F., Monnin T., **Doums C.**, (2013) Les ouvrières comme actrices de la sélection sexuelle chez la fourmi polyandre *Cataglyphis cursor*. *Congrès annuel de la section française de IUSSI*, Villetaneuse
13. Cournault L., Ruel C., Fédérici P., **Doums C.**, (2011) Polyploidy in the parthenogenetic ant *Cataglyphis piliscapus* (= *C. cursor*). *Congrès annuel de la section française de IUSSI*, Banyuls-sur-mer
12. Cronin A.L., Fédérici P., **Doums C.**, Monnin T., (2011) Compétition intra-spécifique et allocation de ressources aux nouvelles colonies chez *Cataglyphis cursor*, une fourmi se reproduisant par fission des colonies. *Congrès annuel de la section française de IUSSI*, Banyuls-sur-mer
11. Sillam-Dussès D., Monnin T., Aubrun F., Fédérici P., **Doums C.**, (2011) Distribution génétique des ouvrières lors de la reproduction par fission chez la fourmi polyandre *Cataglyphis cursor*. *Congrès annuel de la section française de IUSSI*, Banyuls-sur-mer
10. Westhus C., **Doums C.**, Cremer S., (2011) Infectious spore removal from pathogen exposed brood: are experienced ants any better? *Congrès annuel de la section française de IUSSI*, Banyuls-sur-mer
9. Chéron B., Cronin A., Fédérici P., **Doums C.**, Monnin T., (2009) Reproduction par fission des colonies chez la fourmi *Cataglyphis cursor*. *Congrès annuel de la section française de IUSSI*, Bondy
8. **Doums C.**, (2009) Utilisation facultative de la parthénogenèse théliotoque pour la reproduction de sexués chez la fourmi *Cataglyphis cursor*. *Congrès annuel de la section française de IUSSI*, Bondy
7. Tirard C., Haussy C., **Doums C.**, (2009) Activité phénoloxydase en relation avec les risques d'infection chez la fourmi *Cataglyphis cursor*. *Congrès IMMUNINV. Immunité des Invertébrés*, Poitiers
6. Bocher A., Tirard C., **Doums C.**, (2007) Phenotypic plasticity of immune defences linked with foraging activity in the ant *Cataglyphis velox*. *Congrès annuel de la Société Française pour l'Étude du Comportement Animal (SFÉCA)*, Villetaneuse
5. Chéron B., **Doums C.**, Monnin T., (2007) Colony reproduction by fission in ants. *3<sup>rd</sup> meeting in Ecology & Behaviour*, Montpellier
4. Chéron B., **Doums C.**, Monnin T., (2007) Colony reproduction by fission in ants. *Congrès annuel de la Société Française pour l'Étude du Comportement Animal (SFÉCA)*, Villetaneuse
3. Chéron B., **Doums C.**, Monnin T., (2007) The mechanism of queen selection during colony reproduction by fission in ants. *Congrès annuel de la section française de IUSSI*, Toulouse
2. Devès A.L., **Doums C.**, Haussy C., Tirard C., (2007) Reproduction and immune defenses in workers of the ant *Cataglyphis cursor*. *Congrès annuel de la section française de IUSSI*, Toulouse
1. **Doums C.** (2002) Structure génétique et dispersion chez les fourmis sans reine du genre *Diacamma*. *Congrès annuel de la section française de IUSSI*, Versailles

### Posters in national congress

9. Jacquier L., Doums C., Chaboussant A.F., Peronnet R., Tirard C., Mathieu Molet., (2019) Urban ant populations resist better to heavy metal than their rural counterparts. *6th Young Natural History scientists' Meeting*.
8. Four-Chaboussant A., Péronnet R., Tirard C., **Doums C.**, Molet M., (2017) Impact d'un polluant sur le phénotype des ouvrières produites par des colonies de fourmis de populations urbaine et forestière. *Congrès annuel de la section française de IUSSI, MNHN-Paris*.

7. Peronnet R., **Doums C.**, Molet M., (2015) Effets de la température sur la variation de taille des ouvrières en conditions contrôlées chez *Temnothorax nylanderii*. *Congrès annuel de la section française de IUSSI*, Tours.
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