

INDEX DES MOTS-CLES

- Acacia collinsii*, 185
Acacia, 1
Achras sapota, 111
Acromyrmex crassispinus, *subterraneus subterraneus*, 185
Aechmea mertensii, 11
 Afrique de l'Ouest, 111
 Agrégation, 175
 Agroécosystème, 67
Agrostis sp., 157
Ahamitermes, 133
Aïra caryophylla, 157
Allium sp., 157
Amitermes, 133, *evuncifer*, 111
Anacardium occidentale, 111
 Anaérobiose, 85
Ancistrotermes, 111, 133, *guineensis*, 101
Andropogon sp., 157
Aneuretus simoni, 133
Angulitermes nilensis, 111
Annona muricata, *squamosa*, 111
Anochetus emarginatus, 11
Anthurium gracile, 11
Aphaenogaster fulva, 133
Aphomomyrmex afer, 1
 Apidae, 153
Apis mellifera mellifera, 153
Apis mellifica, 175
Apterostigma auriculatum, 185
 Arbres fruitiers, 111
 Arbres support, 11
Asterolinum sp., 157
Atta, 67, 133, 185, 189
 Attaques, 111
 Auto-assemblage, 175
 Auto-organisation, 175
Avena fatua, 157
Barteria fistosula, 1
Belonogaster grisea, *juncea juncea*, *petiolata*, 21, 179
Belutia grossuleroïdes, 11
 Biodégradation: fungique, 101, microbienne, 85
Brachypodium ramosum, 157
Brassica sp., 153
Briza sp., 157
Bromus sp., 157
 Butinage, 153
Camponotus, 133, 189, *americanus*, *brutus*, 75, *femoratus*, 11, *floridanus*, 39, *socius*, *sericeus*, 75
Casuarina equisetifolia, 111
Cataglyphis cursor, 161, *niger*, 189

Cataulacus mckeyi, 1
Cecropia, 1, spp., 11
Centaurea paniculata, 157
Cerastium sp., 157
 Chaînes, 175
 Champignon, 185
Cistus monspeliensis, 157
Citrus spp., 111
Cladomyrma, 1
Clusia spp., 11
 Co-évolution, 1, 85, 185
 Cochenilles, 1
Cocos nucifera, 111
Codonanthe calcarata, 11
 Colza, 153
 Commensalisme, 133
Commiphora africana, 111
 Communication acoustiques, 125
 Compétition: interspécifique, 67, 75, intraspécifique, 75
 Comportement, 21, 47, 57, 75, 143, 153, 157, 161, 165, 169, 175, 179, 185
Composeae sp., 157
 Conflits reines-ouvrières, 31, 39
 Contrôle biologique, 47, 67
Coptotermes intermedius, 111
Cornitermes, 133
Crematogaster limata parabiatica, 11
Croton spp., 11
Cryphomyrmex costatus, 185
Cryptotermes havilandi, 111
Cubitermes, 133, *speciosus*, 85
 Cycle annuel, 119
Daucus carota, 157
Davilia rugosa, 11
 Décision individuelle, 57
Digitaria sanguinalis, 157
Discupiditermes, 133
 Disponibilité en graines, 157
Diversitermes, 133
 Division du travail, 143
Dolichoderus bispinosus, debilis, 11
 Dominance, 21, 179
Dorylus (Typhlopone) dentifrons, 133
Drosophila melanogaster, 57
Eciton, 175
Ectatomma quadridens, 125, *ruidum*, 47, 67, 125, 143, 169, *tuberculatum*, 67, 125
 Endocellulases, 93
Epidendrum schomburgkii, 11
 Epiphytes, 11
Erodium circuitarium, 157
Eucalyptus canaldulensis, 111
Euphorbia exigua, 157
 Evolution, 1, 133
Filago sp., 157
 Flexibilité comportementale, 47, 67
 Fondation, 169

Formica exsectoides, *fusca* var. *subsericea*, *integra*, *nigra*, *obscuripes*, *pallidefulva*
fuscata, 133, *rufa*, 75, 133
 Formicidae, 1, 11, 31, 39, 47, 57, 67, 75, 125, 133, 143, 157, 161, 169, 185, 189
 Formicinae, 75
Formicoxenus, 11
 Fourmis d'Argentine, 31, 39, 175, moissonneuses, 157
 Fourragement, 75
 Glande(s): cloacale, 189, frontale, 165
Globitermes sulphureus, 165
 Grappes, 175
Grewia bicolor, 111
Guiera senegalensis, 111
 Haplodiploïdie, 31
Helichrysum stoechas, 157
Heterotermes ceylonicus, *ferox*, 133
 Hiérarchies, 21
 Hodotermitidae, 133
Holcus lanatus, 157
Homo sapiens, 133
Hutchinsia petraea, 157
 Hymenoptera, 47, 125, 133, 161
Icertia coccinea, 11
 Imagos, 119
Incolitermes, 133
Inga spp., 11
Inquilitermes, 133
 Interactions, 133
 Investissement énergétique, 31
Iridomyrmex detectus, 133, *humilis*, 39, 175, *purpureus*, 75, 133, *sanguineus*, 133
 Isoptera, 85, 93, 101, 111, 119, 133, 165
 Jardins de fourmis, 11
 Jeunes ouvrières, 143
Juncus capitatis, 157
Juniperus oxycedrus, 157
 Kalotermitidae, 111, 133
Lasius claviger, *flavus*, *niger*, 133
Lavendula stoechas, 157
Leonardoxa africana, 1
Leucocoprinus (= *Lepiota*), 185
Linepithema humile, 31, 39, 133, 175
Lolium rigidum, 157
Macrotermes, 133, *bellicosus*, 93, 101, *muelleri*, *natalensis*, 101, *subhyalinus*, 101, 111
Mahurea palustris, 11
Mangifera indica, 11, 111
Marchea formicarum, 11
 Mastotermitidae, 133
Megaponera foetens, 133
Messor aciculatus, 75, *barbarus*, 157
Microcerotermes sp., *solidius*, 111
Microtermes hollandei, 111
Moenschia erecta, 157
 Monomères aromatiques méthoxylés, 85
Monomorium pharaonis, 39
 Morphologie, 125, 169, 189
 Mutualisme, 133

Mutualismes plantes-fourmis, 1
Mycetophylax conformis, 185
 Mycrogynes, 169
Myrmecia pyriformis, simillima, 133
Myrmecocystus mimicus, 75
Myrmelachista, 1
Myrmica, 11, *rubra*, 57, 169
Myrmicocrypta buenzlii, 185
Myschocyttarus, 21, 179, *drewseni*, 179
Nasutitermes, 133, *exitiosus*, *lujae*, 85
Neotermes camerunensis, 111
 Nymphes, 119
Odontomachus haematodes, mayi, 11, *trogodytes*, 47
Odontotermes nilensis, 111
Odontotermes, 133
Oecophylla longinoda, 11, 175
 Orientation spatiale, 161
 Osidases, 101
Pachycondyla apicalis, 125, *commutata*, 133, *goeldii*, 11, *marginata*, 133, *villosa*, 11, 47
Paltothyreus tarsatus, 47
 Parabioses, 11
Paraponera clavata, 47
 Parasites, 1
Peperomia macrostachya, 11
Periplaneta americana, 57
Petalomyrmex phylax, 1
Pheidole sp., 1, *megacephala*, 133, *pallidula*, 31, 57
 Phéromone d'alarme, 165
Philodendron myrmecophilum, 11
Phyllanthus acidus, 111
Pinus pinaster, 119, *pinia*, 157
Piper sp., 1
Plantago bellardi, 157
Pogonomyrmex occidentalis, 133
Polistes, 21, 179, *metricus*, 179
 Polistinae, 21, 179
 Pollinisation, 153
 Polyéthisme, 143
Polyrachis (Cyrtomyrma) ? doddi, 169
Polyrachys laboriosa, 75
 Ponerinae, 11, 47, 67, 125, 143, 169
 Prédation, 47, 57, 67
 Proies: poids, 47, taille, 57
Promirotermes holmgreni, 111
Psammotermes hybostoma, 111
Pseudacanthotermes spiniger, 101
Pseudomyrmex ferrugineus, 185, *nigropilosa*, 1, *venefica*, 169
Psidium guajava, 111
Punica granatum, 111
 Purification, 93
Quercus ilex, 119, *pubescens*, *suber*, 157
Radiola linoïdes, 157
 Récolte de graines, 157, de proies, 57
 Reconnaissance: coloniale, 185, du couvain, 39
 Recrutement, 47, 57

Régime alimentaire, 67, 157
 Relations plantes-fourmis, 1, 11
 Repères visuels, 161
 Reproduction, 31, 169
 Réseau de pistes, 157
Reticulitermes (= *Termes frontalis*), 133, *flavipes*, 133, *lucifugus*, *santonensis*, 119
 Retour au nid, 161
 Rhynotermitidae, 111, 133
 Ritualisation, 75
Ropalidia, 21, 179
 Rythme d'activité, 75
Sagina sabulata, 157
Sanguisorba minor, 157
 Sapindaceae, 11
Sedum album, 157
 Sénégal, 111
 Séquence comportementale, 47, 153
Serritermes, 133, *serrifer*, 165
 Serritermitidae, 133
Serviformica, 133
 Sex-ratio, 31
 Sexués néoténiques, 119
Sideritis sp., 157
Silene gallica, 157
Solenopsis geminata, 133, 169, *invicta*, 31, *parabiotica*, 11, *saevissima*, 133
 Stratégie: défensive, 165, individuelle/collective, 47, 57
 Stridulations, 125
 Symbiose, 93, 101
 Synergie, 133
Syntermes, 133
 Taille des graines, 157
Tapinoma, 133
Tenebrio molitor, 47
 Termitidae, 93, 101, 111, 133, 165
Termitobacter aceticus, 85
Termitomyces sp., 93, 101, sp. *bellicosus*, *eurhizus*, *medius*, 101
Tetramorium aculeatum, 11
Tetraponera aethiops, *tessmannii*, 1
 Théorie de la "sexual deception", 39
Thymus vulgaris, 157
 Tracé de piste, 57
Trifolium angustifolium, *arvense*, *campestre*, *guttata*, 157
 Ultrasons, 125
 Ultrastructure, 189
Velocitermes, 133
 Vespidae, 11, 179
 Vibrations abdominales, 179
Vismia guyanensis, *latifolia*, *sessilifolia*, 11
 Zootermopsidae, 133

KEY WORDS INDEX

- Abdominal vibrations, 179
Acacia collinsii, 185
Acacia, 1
Achras sapota, 111
 Acoustic communication, 125
Acromyrmex crassispinus, *subterraneus subterraneus*, 185
 Activity rhythm, 75
Aechmea mertensii, 11
 Aggregation, 175
 Agroecosystem, 67
Agrostis sp., 157
Ahamitermes, 133
Aïra caryophylla, 157
 Alarm pheromone, 165
Allium sp., 157
Amitermes, 133, *evuncifer*, 111
Anacardium occidentale, 111
 Anaerobic, 85
Ancistrotermes, 111, 133, *guineensis*, 101
Andropogon sp., 157
Aneuretus simoni, 133
Angulitermes nilensis, 111
Annona muricata, *squamosa*, 111
 Annual cycle, 119
Anochetus emarginatus, 11
 Ant-gardens, 11
 Ant-plant mutualism, 1
 Ant-plant relationships, 1, 11
Anthurium gracile, 11
Aphaenogaster fulva, 133
Aphomomyrmex afer, 1
 Apidae, 153
Apis mellifera mellifera, 153
Apis mellifica, 175
Apterostigma auriculatum, 185
 Argentine ant, 31, 39, 175
Asterolinum sp., 157
Atta, 67, 133, 185, 189
 Attacks, 111
Avena fatua, 157
Barteria fistosula, 1
 Behaviour, 21, 47, 57, 75, 143, 153, 157, 161, 165, 169, 175, 179, 185
 Behavioural flexibility, 47, 67
 Behavioural sequence, 47, 153
Belonogaster grisea, *juncea juncea*, *petiolata*, 21, 179
Belutia grossuleroidea, 11
 Biodegradation: bacterial, 85, fungic, 101
 Biological control, 47, 67
Brachypodium ramosum, 157

Brassica sp., 153
Briza sp., 157
Bromus sp., 157
 Callow workers, 143
Camponotus, 133, 189, *americanus*, *brutus*, 75, *femoratus*, 11, *floridanus*, 39, *socius*, *sericeus*, 75
Casuarina equisetifolia, 111
Cataglyphis cursor, 161, *niger*, 189
Cataulacus mckeyi, 1
Cecropia, 1, spp., 11
Centaurea paniculata, 157
Cerastium sp., 157
 Chains, 175
Cistus monspeliensis, 157
Citrus spp., 111
Cladomyrma, 1
Clusia spp., 11
 Clusters, 175
 Co-evolution, 1, 85, 185
Cocos nucifera, 111
Codonanthe calcarata, 11
 Colony foundation, 169
 Commensalism, 133
Commiphora africana, 111
 Competition: interspecific, 67, 75, intraspecific, 75
 Composeae sp., 157
Coptotermes intermedius, 111
Cornitermes, 133
Crematogaster limata parabiatica, 11
Croton spp., 11
Cryphomyrmex costatus, 185
Cryptotermes havilandi, 111
Cubitermes, 133, *speciosus*, 85
Daucus carota, 157
Davilia rugosa, 11
 Diet, 67, 157
Digitaria sanguinalis, 157
Discupiditermes, 133
Diversitermes, 133
 Division of labour, 143
Dolichoderus bispinosus, *debilis*, 11
 Dominance, 21, 179
Dorylus (Typhlopone) dentifrons, 133
Drosophila melanogaster, 57
Eciton, 175
Ectatomma quadridens, 125, *ruidum*, 47, 67, 125, 143, 169, *tuberculatum*, 67, 125
 Endocellulases, 93
Epidendrum schomburgkii, 11
 Epiphytes, 11
Erodium cicutarium, 157
Eucalyptus canaldulensis, 111
Euphorbia exigua, 157
 Evolution, 1, 133
Filago sp., 157
 Foraging, 75, 153

- Formica exectoides*, *fusca* var. *subsericea*, *integra*, *nigra*, *obscuripes*, *pallidefulva fuscata*, 133, *rufa*, 75, 133
 Formicidae, 1, 11, 31, 39, 47, 57, 67, 75, 125, 133, 143, 157, 161, 169, 185, 189
 Formicinae, 75
Formicoxenus, 11
 Fruit-trees, 111
 Fungus, 185
 Gland(s): cloacal, 189, frontal, 165
Globitermes sulphureus, 165
Grewia bicolor, 111
Guiera senegalensis, 111
 Haplodiploidy, 31
 Harvesting ants, 157
Helichrysum stoechas, 157
Heterotermes ceylonicus, *ferox*, 133
 Hierarchy, 21
 Hodotermitidae, 133
Holcus lanatus, 157
 Homing, 161
Homo sapiens, 133
 Homoptera, 1
Hutchinsia petraea, 157
 Hymenoptera, 47, 125, 133, 161
Icertia coccinea, 11
 Imagos, 119
Incolitermes, 133
 Individual decision, 57
Inga spp., 11
Inquilitermes, 133
 Interactions, 133
Iridomyrmex detectus, 133, *humilis*, 39, 175, *purpureus*, 75, 133, *sanguineus*, 133
 Isoptera, 85, 93, 101, 111, 119, 133, 165
Juncus capitatis, 157
Juniperus oxycedrus, 157
 Kalotermitidae, 111, 133
Lasius claviger, *flavus*, *niger*, 133
Lavendula stoechas, 157
Leonardoxa africana, 1
Leucocoprinus (= *Lepiota*), 185
Linepithema humile, 31, 39, 133, 175
Lolium rigidum, 157
Macrotermes, 133, *bellicosus*, 93, 101, *muelleri*, *natalensis*, 101, *subhyalinus*, 101, 111
Mahurea palustris, 11
Mangifera indica, 11, 111
Marchea formicarum, 11
 Mastotermitidae, 133
Megaponera foetens, 133
Messor aciculatus, 75, *barbarus*, 157
 Methoxylated aromatic monomers, 85
Microcerotermes sp., *solidius*, 111
Microtermes hollandi, 111
Moenschia erecta, 157
Monomorium pharaonis, 39
 Morphology, 125, 169, 189
 Mutualism, 133

- Mycetophylax conformis*, 185
 Mycrogynes, 169
Myrmecia pyriformis, simillima, 133
Myrmecocystus mimicus, 75
Myrmelachista, 1
Myrmica, 11, *rubra*, 57, 169
Myrmicocrypta buenzlii, 185
Myschocyttarus, 21, 179, *drewseni*, 179
Nasutitermes, 133, *exitiosus*, *lujae*, 85
 Neotenic reproductives, 119
Neotermes camerunensis, 111
 Nymphs, 119
Odontomachus haematodes, mayi, 11, *troglodytes*, 47
Odontotermes nilensis, 111
Odontotermes, 133
Oecophylla longinoda, 11, 175
 Oilseed rape, 153
 Osidases, 101
Pachycondyla apicalis, 125, *commutata*, 133, *goeldii*, 11, *marginata*, 133, *villosa*, 11, 47
Paltothyreus tarsatus, 47
 Parabiosis, 11
Paraponera clavata, 47
 Parasites, 1
Peperomia macrostachya, 11
Periplaneta americana, 57
Petalomyrmex phylax, 1
Pheidole sp., 1, *megacephala*, 133, *pallidula*, 31, 57
Philodendron myrmecophilum, 11
Phyllanthus acidus, 111
Pinus pinaster, 119, *pinia*, 157
Piper sp., 1
Plantago bellardi, 157
Pogonomyrmex occidentalis, 133
Polistes, 21, 179, *metricus*, 179
 Polistinae, 21, 179
 Pollination, 153
 Polyethism, 143
Polyrachis (Cyrtomyrma) ? doddi, 169
Polyrachys laboriosa, 75
 Ponerinae, 11, 47, 67, 125, 143, 169
 Predation, 47, 57, 67
 Prey foraging, 57
 Prey: size, 57, weight, 47
Promicrotermes holmgreni, 111
Psammotermes hybostoma, 111
Pseudacanthotermes spiniger, 101
Pseudomyrmex ferrugineus, 185, *nigropilosa*, 1, *venefica*, 169
Psidium guajava, 111
Punica granatum, 111
 Purification, 93
 Queen-worker conflict, 31, 39
Quercus ilex, 119, *pubescens*, *suber*, 157
Radiola linoïdes, 157
 Recognition: brood, 39, colony, 185
 Recruitment, 47, 57

Reproduction, 31, 169
Reticulitermes (= *Termes frontalis*), 133, *flavipes*, 133, *lucifugus*, *santonensis*, 119
 Rhynotermitidae, 111, 133
 Ritualisation, 75
Ropalidia, 21, 179
Sagina sabulata, 157
Sanguisorba minor, 157
 Sapindaceae, 11
Sedum album, 157
 Seed availability, 157
 Seed harvesting, 157
 Seed size, 157
 Self-assembling, 175
 Self-organisation, 175
 Senegal, 111
Serritermes, 133, *serrifer*, 165
 Serritermitidae, 133
Serviformica, 133
 Sex allocation, 31
 Sex-ratio, 31
 Sexual deception theory, 39
Sideritis sp., 157
Silene gallica, 157
Solenopsis geminata, 133, 169, *invicta*, 31, *parabiotica*, 11, *saevissima*, 133
 Spatial orientation, 161
 Strategies: defensive, 165, individual/collective, 47, 57
 Stridulations, 125
 Supporting trees, 11
 Symbiosis, 93, 101
 Synergy, 133
Syntermes, 133
Tapinoma, 133
Tenebrio molitor, 47
 Termitidae, 93, 101, 111, 133, 165
Termitobacter aceticus, 85
Termitomyces sp., 93, 101, sp. *bellicosus*, *eurhizus*, *medius*, 101
Tetramorium aculeatum, 11
Tetraponera aethiops, *tessmannii*, 1
Thymus vulgaris, 157
 Trail-laying behaviour, 57
Trifolium angustifolium, *arvense*, *campestre*, *guttata*, 157
 Trunk trails, 157
 Ultrasounds, 125
 Ultrastructure, 189
Velocitermes, 133
 Vespidae, 11, 179
Vismia guyanensis, *latifolia*, *sessilifolia*, 11
 Visual landmarks, 161
 West Africa, 111
 Zootermopsidae, 133