

# Liste de publications de BIOR

## Articles dans des revues avec comité de lecture

### A paraître

Dupaix, A., Ménard, F., Filmalter, J. D., Baidal, Y., Bodin, N., Capello, M., Chassot, E., Demarcq, H., Deneubourg, J.-L., et al. (2024). The challenge of assessing the effects of drifting fish aggregating devices on the behaviour and biology of tropical tuna. *Fish and fisheries*, 25.

### 2024

Albuquerque, U. P., Maroyi, A., Ladio, A., Pieroni, A., Abbasi, A. M., Toledo, B. A., Dahdouh-Guebas, F., Hallwass, G., Soldati, G. T., Odonne, G., Vandebroek, I., Vallès, J., Hurrell, J. A., Pardo de Santayana, M., La Torre-Cuadros, M. D. L. Á. M., Silva, M. T. P., Jacob, M. C. M., da Fonseca-Kruel, V. S., & Ferreira Júnior, W. S. (2024). Advancing ethnobiology for the ecological transition and a more inclusive and just world: a comprehensive framework for the next 20 years. *Journal of ethnobiology and ethnomedicine*, 20(1), 18. doi:10.1186/s13002-024-00661-4

Vasilikopoulos, A., Herlyn, H., Fontaneto, D., Wilson, C. G., Nowell, R. W., Flot, J.-F., Barraclough, T. G., & Van Doninck, K. (2024). Whole-genome analyses converge to support the Hemirotifera hypothesis within Syndermata (Gnathifera). *Hydrobiologia*. doi:10.1007/s10750-023-05451-9

Romero Arias, J., Hellemans, S., Kaymak, E., Akama, P. D., Bourguignon, T., Roisin, Y., Scheffrahn, R. H., & Šobotník, J. (2024). Mitochondrial phylogenetics position a new Afrotropical termite species into its own subfamily, the Engelitermitinae (Blattodea: Termitidae). *Systematic entomology*, 49(1), 72-83. doi:10.1111/syen.12607

Degueldre, F., & Aron, S. (2024). Accessory gland size increases with sperm competition intensity in *Cataglyphis* desert ants. *Frontiers in ecology and evolution*, 12, 1336015. doi:10.3389/fevo.2024.1336015

Bhasin, O., Doucet, J.-L., Ndonga Makemba, R., Gillet, J.-F., Deblauwe, V., Sonke, B., & Hardy, O. J. (2024). Contrasted spatial, demographic and genetic structures of a light-demanding African timber species, *Cylicodiscus gabunensis* Harms – Implications for a sustainable management of its populations. *Forest ecology and management*, 551, 121527. doi:10.1016/j.foreco.2023.121527

Baudoux, C., Biwolé, A. B., Hardy, O. J., Webber, B., & Heuret, P. (2024). Can the competition dynamics of non-native invaders be reconstructed to reveal historical impact? The case of *Cecropia peltata* and *Musanga cecropioides* (Urticaceae) in Cameroon. *Biological invasions*, 26(1), 315-335. doi:10.1007/s10530-023-03175-4

Lagnika, M., Kayo, R. P. T., Sonet, G., Flot, J.-F., & Martin, P. (2024). DNA taxonomy reveals high species diversity among the stygobiont genus *Metastenasellus* (Crustacea, Isopoda) in African groundwater. *Subterranean Biology*, 48, 51-71. doi:10.3897/subtbiol.48.113022

### 2023

Guérin, C., Behr, M., Sait, J., Mol, A., El Jaziri, M., & Baucher, M. (2023). Evidence for poplar PtaPLATZ18 in the regulation of plant growth and vascular tissues development. *Frontiers in Plant Science*, 14, 1302536.

Renard, T., Martinet, B., Araujo, N. D. S., & Aron, S. (2023). DNA methylation extends lifespan in the bumblebee *Bombus terrestris*. *Proceedings - Royal Society. Biological sciences*, 290(2012), 20232093. doi:10.1098/rspb.2023.2093

Gouveia, A., Godefroid, M., Dubois, P., Espino, F., Tuya, F., Haroun, R., Herrera, A., & Otero-Ferrer, F. (2023). Thermal stress response of *Antipathella wollastoni* (Gray, 1857) from the Canary Islands archipelago. *Coral reefs*, 42(6), 1263-1269. doi:10.1007/s00338-023-02415-2

Dabalà, A., Dahdouh-Guebas, F., Dunn, D., Everett, J., Lovelock, C. C., Hanson, J. O., Buenafe, K. C. K., Neubert, S., & Richardson, A. A. (2023). Priority areas to protect mangroves and maximise ecosystem services. *Nature communications*, 14(1), 5863. doi:10.1038/s41467-023-41333-3

Nicolas, E., Simion, P., Guérineau, M., Terwagne, M., Colinet, M., Virgo, J., Lingurski, M., Boutsen, A., Dieu, M., Hallet, B., & Van Doninck, K. (2023). Horizontal acquisition of a DNA ligase improves DNA damage tolerance in eukaryotes. *Nature communications*, 14(1), 7638. doi:10.1038/s41467-023-43075-8

Godefroid, M., Vandendriessche, M., Todinanahary, G. G. B., Ransquin, I., & Dubois, P. (2023). Thermal sensitivity of black corals (*Antipatharia: Hexacorallia*): Comparisons between sympatric species from a thermally fluctuating site in Madagascar and between allopatric congeners. *Science of the total environment*, 908, 168311. doi:10.1016/j.scitotenv.2023.168311

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Steenacker, M., Tanabe, L. L., Rusli, M. U., & Fournier, D. (2023). The influence of incubation duration and clutch relocation on hatchling morphology and locomotor performances of green turtle (*Chelonia mydas*). *Journal of experimental marine biology and ecology*, 569, 151954.

Roussel, S., Coheleach, M., Martin, S., Day, R., Badou, A., Huchette, S., Dubois, P., Servili, A., Gaillard, F., & Auzoux-Bordenave, S. (2023). From reproductive behaviour to responses to predators: Ocean acidification does not impact the behaviour of an herbivorous marine gastropod. *Science of the total environment*, 907, 167526. doi:10.1016/j.scitotenv.2023.167526

Araujo, N. D. S., Perez, R., Willot, Q., Defrance, M., & Aron, S. (2023). Facing lethal temperatures: Heat-shock response in desert and temperate ants. *Ecology and evolution*, 13(9), e10438. doi:10.1002/ece3.10438

Carrijo, T. F., Engel, M. M., Chouvenc, T., Gile, G. H., Mikaelyan, A., Dedeine, F., Ware, J. L., Haifig, I., Arab, A., Constantini, J. P., Souza, J. P., Lee, S. B., Bu#ek, A., Roisin, Y.,

Canello, E. M., & Santos, C. M. D. (2023). A call to termitologists: it is time to abandon the use of “lower” and “higher” termites. *Insectes sociaux*, 70(3), 295-299. doi:10.1007/s00040-023-00929-0

Knüsel, M., Borko, Š., Alther, R., Salussolia, A., Flot, J.-F., Altermatt, F., Fišer, C., & Stoch, F. (2023). Phylogenetic structure and molecular species delimitation hint a complex evolutionary history in an Alpine endemic Niphargus clade (Crustacea, Amphipoda). *Zoologischer Anzeiger*, 306, 27-36. doi:10.1016/j.jcz.2023.07.001

Tou, I., Azri, Y., George, I., Bouzid, O., Khemili-Talbi, S., Sadi, M., Kebbouche-Gana, S., Anzil, A., & Laichouchi, A. (2023). Bacterial community issued from a Chlorophytum plant-microbial fuel cell for electricity generation. *Biofuels*, 1-10. doi:10.1080/17597269.2023.2261751

Calvo Martin, M., Rodriguez Palacio, E., Deneubourg, J.-L., & Nicolis, S. (2023). Emergence and retention of a collective memory in cockroaches. *PloS one*, 18(7), e0287845. doi:10.1371/journal.pone.0287845

Theissingner, K., Flot, J.-F., et al. (2023). How genomics can help biodiversity conservation. *Trends in genetics*, 39(7), 545-559. doi:10.1016/j.tig.2023.01.005

Carrijo, T. F., Castro, D., Wang, M., Constantini, J. P., Bourguignon, T., Canello, E. M., Roisin, Y., & Scheffrahn, R. H. (2023). Diminishing the taxonomic gap in the neotropical soldierless termites: description of four new genera and a new Anoplotermes species (Isoptera, Termitidae, Apicotermatinae). *ZooKeys*, 1167, 317-352.

Godefroid, M., Gouveia, A., Otero-Ferrer, F., Espino, F., Tuya, F., & Dubois, P. (2023). Higher daily temperature range at depth is linked with higher thermotolerance in antipatharians from the canary islands. *Journal of thermal biology*, 115, 103593. doi:10.1016/j.jtherbio.2023.103593

Dacquin, P., Caiti, E., Grégoire, J.-C., & Aron, S. (2023). Preemergence mating, inbreeding, and their consequences in the bark beetle Ips typographus. *Journal of pest science*. doi:10.1007/s10340-023-01650-4

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Vanden Abeele, S., Matvijev, K., Hardy, O. J., Assumani, D.-M., Angoboy Ilondea, B., Beeckman, H., Bouka, G. U. D., Boupoya-Mapikou, C.-A., Deklerck, V., Flot, J.-F., Gillet, J.-F., Kamdem, N., Lisingo Wa Lisingo, J., Monthe Kameni, F. S., Sonke, B., & Janssens, S. B. (2023). Genetic breaks caused by ancient forest fragmentation: phylogeography of *Staudtia kamerunensis* (Myristicaceae) reveals distinct clusters in the Congo Basin. *Tree genetics & genomes*, 19(3), 27. doi:10.1007/s11295-023-01601-1

Jeetun, S., Ricot, M., Taleb-Hossenkhan, N., Kaullysing, D., Flot, J.-F., & Bhagooli, R. (2023). Differential responses of effective quantum yield to acute thermal stress in scleractinian corals including pre-and post-transplanted *Acropora muricata*. *Indo Pacific Journal of Ocean Life*, 7, 54-63. doi:10.13057/oceanlife/o070106

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Dupaix, A., Dagorn, L., Duparc, A., Guillou, A., Deneubourg, J.-L., & Capello, M. (2023). No evidence from long-term analysis of yellowfin tuna condition that drifting fish aggregating devices act as ecological traps. *Marine ecology. Progress series*, 711, 121-127. doi:10.3354/meps14313

Mouton, L., Patiño, J., Carine, M., Rumsey, F., de Sequeira, M. M., González-Mancebo, J. M., Gabriel, R. M. D. A., Hardy, O. J., Sim#Sim, M., Reyes#Betancort, A., Collart, F., & Vanderpoorten, A. (2023). Patterns and drivers of beta diversity across geographic scales and lineages in the Macaronesian flora. *Journal of biogeography*, 50(5), 858-869. doi:10.1111/jbi.14580

Wang, M., Hellemans, S., Bu#ek, A., Kanao, T., Arora, J., Clitheroe, C.-L., Rafanomezantsoa, J. J., Fisher, B. L., Scheffrahn, R., Sillam#Dussès, D., Roisin, Y., Šobotník, J., & Bourguignon, T. (2023). Neoisoptera repeatedly colonised Madagascar after the Middle Miocene climatic optimum. *Ecography*, 2023(7), e06463. doi:10.1111/ecog.06463

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Bizic, M., Brad, T., Ionescu, D., Barbu-Tudoran, L., Zoccarato, L., Aerts, J. W., Contarini, P.-E., Gros, O., Volland, J.-M., Popa, R., Ody, J., Vellone, D., Flot, J.-F., Tighe, S., & Sarbu, S. M. (2023). Cave *Thiovulum* (Candidatus *Thiovulum stygium*) differs

metabolically and genomically from marine species. *The I S M E Journal*, 17(3), 340-353. doi:10.1038/s41396-022-01350-4

Araujo, N. D. S., Hellemans, S., Roisin, Y., & Fournier, D. (2023). Transcriptomic profiling of castes and of sexually and parthenogenetically produced reproductive females in the termite *Cavitermes tuberosus*. *Entomologia experimentalis et applicata*, 171(5), 350-360. doi:10.1111/eea.13285

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NUMBI MUJIKE, D., Meerts, P. J., Mbinga Lokoto, B., & Ngoy Shutcha, M. (2023). Four multipurpose species of *Vitex* (Lamiaceae) from D.R. Congo show different responses to propagation techniques for nursery production. *Bois et forêts des tropiques*, 357, 43-56.

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Hosseini, M. J. M., Flot, J.-F., Fatemi, Y., Babolimoakher, H., Kuntner, M., Diripasko, O. O., Jeli#, D., & Bogutskaya, N. N. (2023). The first record of a stygobiotic form of *Garra rufa* (Heckel, 1843), sympatric with *Garra tashanensis* Mousavi-Sabet, Vatandoust, Fatemi & Eagderi, 2016 (Teleostei, Cyprinidae), in Iranian subterranean waters. *Subterranean Biology*, 46, 97-127. doi:10.3897/subtbiol.46.108396

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## 2022

Godefroid, M., Dubois, P., & Hédouin, L. (2022). Thermal performance with depth: Comparison of a mesophotic scleractinian and an antipatharian species subjected to internal waves in Mo'orea, French Polynesia. *Marine environmental research*, 184, 105851. doi:10.1016/j.marenvres.2022.105851

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