

# Liste de publications de BIOR

## Articles dans des revues avec comité de lecture

### A paraître

Vaes, O., De Selliers De Moranville, L.-A., & Detrain, C. (2024). Group-level trait and individual performance: the impact of in-nest activity on food recruitment in ants. *Animal behaviour*.

Dupaix, A., Ménard, F., Filmlalter, 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.

Coughlan, N., Cunningham, E., Cuthbert, R., Joyce, P., Anastacio, P., Banha, F., Bonel, N., Bradbeer, S., Briski, E., Butitta, V., Cadková, Z., Dick, J., Douda, K., Eagling, L., Ferreira-Rodríguez, N., Hünicken, L., Johansson, M., Kregting, L., Lab#cka, A. M., Li, D., Liquin, F., Marescaux, J., Morris, T., Nowakowska, P., O#go, M., Paolucci, E., Peribáñez, M., Riccardi, N., Smith, E., Spear, M., Till Steffen, G., Tiemann, J., Urba#ska, M., Van Doninck, K., Vastrade, M., Vong, G., Wawrzyniak-Wydrowska, B., Xia, Z., Zeng, C., Zhan, A., & Sylvester, F. (2021). Biometric conversion factors as a unifying platform for comparative assessment of invasive freshwater bivalves. *Journal of applied ecology*.

### 2024

Lelièvre, Y., Motreuil, S., Specq, L., Marschal, C., Dubois, P., Wauters, L., Guéné, M., & Saucède, T. (2024). MEDUSA: Marine benthic Ecological Data from Underwater imagery Surveys of sub-Antarctic Crozet environments. *Scientific Data*, 11(1), 613. doi:10.1038/s41597-024-03460-4

Gorzalak, P., Stolarski, J., B#cal, P., Dubois, P., & Ko#buk, D. (2024). Calcium-rich seawater affects the mechanical properties of echinoderm skeleton. *Communications Earth and Environment*, 5(1), 467. doi:10.1038/s43247-024-01609-y

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

Langel, J.-L., Vanleynseele, C., Fournier, D., Tremblay, R., & De Montgolfier, B. (2024). Early-season hurricane Beryl's impact on marine turtle nesting in Martinique. *Caribbean journal of science*, 54, 323-328. doi:10.18475/cjos.v54i1.a23

Jugovic, J., Hosseini, M. J. M., Issartel, C., Konecny-Dupré, L., Kuntner, M., Fatemi, Y., Flot, J.-F., Douady, C. J., & Malard, F. (2024). A second species of *Stenasellus* Dollfus, 1897 (Isopoda, Stenasellidae) from sulfidic groundwater of Iran described using

morphological and molecular methods. *European Journal of Taxonomy*, 968(1), 256–274. doi:10.5852/ejt.2024.968.2733

Faure, R., Lavenier, D., & Flot, J.-F. (2024). HairSplitter: haplotype assembly from long, noisy reads. *Peer Community Journal*, 4, e96. doi:10.24072/pcjournal.481

Grouzdev, D., Pales Espinosa, E., Tettelbach, S., Farhat, S., Tanguy, A., Boutet, I., Guiglielmoni, N., Flot, J.-F., Tobi, H., & Allam, B. (2024). Chromosome-level genome assembly of the bay scallop *Argopecten irradians*. *Scientific data*, 11(1), 1057. doi:10.1038/s41597-024-03904-x

McCartney, A., Flot, J.-F., et al. (2024). The European Reference Genome Atlas: piloting a decentralised approach to equitable biodiversity genomics. *npj biodiversity*, 2024, 3-28. doi:10.1038/s44185-024-00054-6

Spöri, Y., & Flot, J.-F. (2024). Haxe as a Swiss knife for bioinformatic applications: the SeqPHASE case story. *Briefings in bioinformatics*, 25(5), bbae367. doi:10.1093/bib/bbae367

Baucher, M., Guérin, C., El Jaziri, M., & Behr, M. (2024). Integration of the Plant-Specific PLATZ Transcription Factors into Gene Regulatory Networks Controlling Developmental Processes. *Critical reviews in plant sciences*, 43, 376-393.

Baidai, Y., Dupaix, A., Dagorn, L., Gaertner, D., Deneubourg, J.-L., Duparc, A., & Capello, M. (2024). Direct assessment of tropical tuna abundance from their associative behaviour around floating objects. *Proceedings - Royal Society. Biological sciences*, 291(2029), 20241132. doi:10.1098/rspb.2024.1132

Moris, V., Bruneau, L., Berthe, J., Heuskin, A.-C., Penninckx, S., Ritter, S., Weber, U., Durante, M., Danchin, E. G. J. E., Hespels, B., & Van Doninck, K. (2024). Ionizing radiation responses appear incidental to desiccation responses in the bdelloid rotifer *Adineta vaga*. *BMC biology*, 22.

Jeetun, S., Ricot, M., Jogee, S. Y., Kaullysing, D., Taleb-Hossenkhan, N., LaJeunesse, T. C., Philippart, G., Collard, O., Flot, J.-F., Wijayanti, D. P., Yucharoen, M., Nascimento, B., Suzuki, Y., Casareto, B. E., & Bhagooli, R. (2024). Morphological and genetic characterization of *Stylophora madagascarensis*, *Pocillopora acuta*, and *Pocillopora verrucosa* in Mauritius and their thermal photo-physiological stress responses. *Bulletin of marine science*. doi:10.5343/bms.2023.0124

Stoch, F., Knüsel, M., Zakšek, V., Alther, R., Salussolia, A., Altermatt, F., Fišer, C., & Flot, J.-F. (2024). Integrative taxonomy of the groundwater amphipod *Niphargus bihorensis* Schellenberg, 1940 reveals a species-rich clade. *Contributions to zoology*, 1-25. doi:10.1163/18759866-bja10064

Lecocq De Pletincx, N., Cerdà, X., Kiran, K., Karaman, C., Taheri, A., & Aron, S. (2024). Ecological diversification preceded geographical expansion during the evolutionary radiation of *Cataglyphis* desert ants. *iScience*, 27(6), 109852. doi:10.1016/j.isci.2024.109852

Boom, A., Migliore, J., Ojeda Alayon, D. I., Kaymak, E., & Hardy, O. J. (2024). Phylogenomics of *Brachystegia*: Insights into the origin of African miombo woodlands. *American journal of botany*, 111(6), e16352. doi:10.1002/ajb2.16352

Ginevra, L., Charlotte, S., Hayley, C., Fanny, H., Deirdre, B., Flot, J.-F., Graham, C. T., & George, I. (2024). Do fish gut microbiotas vary across spatial scales? A case study of *Diplodus vulgaris* in the Mediterranean Sea. *Animal Microbiome*, 6(1), 32. doi:10.1186/s42523-024-00319-2

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Duquesne, E., & Fournier, D. (2024). Connectivity and climate change drive the global distribution of highly invasive termites. *NeoBiota*, 92, 281-314. doi:10.3897/neobiota.92.115411

Mahavy, C., Razanatseheno, A. J., Mol, A., Ngezahayo, J., Duez, P., El Jaziri, M., Baucher, M., & Rasamiravaka, T. (2024). Edible Medicinal Guava Fruit (*Psidium guajava* L.) Are a Source of Anti-Biofilm Compounds against *Pseudomonas aeruginosa*. *Plants*, 13(8), 1122.

Navarro-Mayoral, S., Gouillieux, B., Fernandez-Gonzalez, V., Tuya, F., Lecoquierre, N., Bramanti, L., Terrana, L. A., Espino, F., Flot, J.-F., Haroun, R., & Otero-Ferrer, F. (2024). "Hidden" biodiversity: a new amphipod genus dominates epifauna in association with a mesophotic black coral forest. *Coral reefs*. doi:10.1007/s00338-024-02491-y

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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

Eleftheriadi, K., Guiguelmoni, N., Salces-Ortiz, J., Vargas-Chavez, C., Martínez-Redondo, G., Gut, M., Flot, J.-F., Schmidt-Rhaesa, A., & Fernández, R. (2024). The genome sequence of the Montseny horsehair worm, *Gordionus montsenyensis* sp. nov., a key resource to investigate Ecdysozoa evolution. *Peer Community Journal*, 4, 32. doi:10.24072/pcjournal.381

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Mammola, S., Altermatt, F., Alther, R., Amorim, I., B#ncil#, R., Borges, P. A. V., Brad, T., Brankovits, D., Cardoso, P., Cerasoli, F., Chauveau, C., Deli#, T., Di Lorenzo, T., Faille, A., Fišer, C., Flot, J.-F., Gabriel, R. M. D. A., Galassi, D., Garzoli, L., Griebler, C., Konecny-Dupré, L., Martínez, A., Mori, N., Nanni, V., Ogorelec, Ž., Pallarés, S., Salussolia, A., Saccò, M., Stoch, F., Vaccarelli, I., Zagmajster, M., Zित्रa, C., Meierhofer, M. B., Sánchez-Fernández, D., & Malard, F. (2024). Perspectives and pitfalls in preserving subterranean biodiversity through protected areas. *npj biodiversity*, 3(1). doi:10.1038/s44185-023-00035-1

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Vaes, O., Avanzi, Q., & Detrain, C. (2024). Beyond busy workers: exploring the sensitivity of inactive ants to environmental cues. *Insectes sociaux*, <https://doi.org/10.1007/s00040-024-00959-2>.

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

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

## 2023

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