

## TRAVAUX 1991-2023

### I. ACL - Articles dans des revues internationales ou nationales avec comité de lecture répertoriées par l'AERES ou dans les bases de données internationales (ISI Web of Knowledge, Pub Med...).

1. Divaret-Chauveau A., Foucaud L., Demoulin B., Teston C., Loison P, Le Cann P, Schweitzer C., De Carvalho Bittencourt M., Mauny F., Demoulin-Alexikova S. (2023) Early exposure to farm dust in an allergic airway inflammation rabbit model: Does it affect bronchial and cough hyperresponsiveness? **PLoS ONE** 2023, 18(1): e0279498. <https://doi.org/10.1371/journal.pone.0279498>
2. Pavard G., Joubert A., Andrès Y., Le Cann P. Analysis of particulate and microbiological filtration performance of air handling unit filters in a low-energy office building over 12 months. **Buildings**, 2022, 12, 1475. <https://doi.org/10.3390/buildings12091475>
3. J.P. Gangneux, H. Morel, F.X. Blanc, P. Bonniaud, G. Boza, A. Briault, J. Brouard, D. Charpin, C. Chenivesse, H. Colas, A. Cottereau, G. Dalampira, F. De Blay, X. Debeillex, P. Dumont, K. Elchehaded, M. Fayon, S. Fry, E. Hullo, A. Leblanc, J. Letreut, A. Magnan, G. Mahay, J.M. Perotin-Collard, H. Pegliasco, I. Pin, C. Pison, N. Rossignoli, V. Siao Him Fa, H. Ziani Bey, L. Com-Ruelle, J. Morcet, E. Oger, P. Le Cann. Évaluation multicentrique et randomisée de l'impact des conseillers en environnement intérieur sur le contrôle de l'asthme : l'étude ECENVIR. **Revue Française d'Allergologie** 2022, 62, 3, 330-331. <https://doi.org/10.1016/j.reval.2022.02.100>.
4. Colas A., Baudet A., Le Cann P., Blanchard O., Gangneux J.P., Baurès E., Florentin A. Quantitative health risk assessment of the chronic inhalation of chemical compounds in healthcare and elderly care facilities. **Toxics** 2022, 10, 141. <https://doi.org/10.3390/toxics10030141>
5. Baudet A., Baurès E., Blanchard O., Le Cann P., Gangneux J.-P., Florentin A. Indoor carbon dioxide, fine particulate matter and total volatile organic compounds in private healthcare and elderly care facilities. **Toxics** 2022 : 10, 136. <https://doi.org/10.3390/toxics10030136>
6. Baudet A., Baurès B., Guegan H., Blanchard O., Guillaso M., Le Cann P., Gangneux J.P., Florentin A. Indoor Air Quality in Healthcare and Care Facilities: Chemical Pollutants and Microbiological Contaminants. **Atmosphere** 2021 : 12, 1337. <https://doi.org/10.3390/atmos12101337>
7. Le Cann P., Wallet F. Covid-19 et transmission par aérosols : état des lieux. **Environnement Risques et Santé** 2021 ; 20 : 290-294. doi : 10.1684/ers.2021.1557
8. Abou Saoud W., Kane A., Le Cann P., Gerard A., Lamaa L., et al. Innovative photocatalytic reactor for the degradation of VOCs and microorganism under simulated indoor air conditions: Cu-Ag/TiO<sub>2</sub>-based optical fibers at a pilot scale. **Chemical Engineering Journal**, 2021, 411, pp.128622. (10.1016/j.cej.2021.128622)
9. Gangneux J.P., Sassi M., Lemire P., Le Cann P. Metagenomic characterization of indoor dust bacterial and fungal microbiota in homes of asthma and non asthma patients using next generation sequencing. **Frontiers in microbiology**, 2020, <https://doi.org/10.3389/fmicb.2020.01671>

10. Gangneux J.P., Bouvrais M., Frain S., Morel H., Deguen S., Chevrier S., Le Cann P. Asthma and Indoor Environment: Usefulness of a Global Allergen Avoidance Method on Asthma Control and Exposure to Molds. **Mycopathologia**. 2020 Jan 2. doi: 10.1007/s11046-019-00417-9
11. Gallon V., Le Cann P., Sanchez M., Dematteo C., Le Bot B. Emissions of VOCs, SVOCs and mold during the construction process: contribution to indoor air quality and future occupants. **Indoor Air**, 2020, 30, 4, 691-710, DOI: 10.1111/ina.12647
12. Abou Saoud W., Assadi A.A., Kane A., Jung A.V., Le Cann P., Gerard A., Bazantay F., Bouzaza A. Integrated process for the removal of indoor VOCs from food industry manufacturing: elimination of Butane-2,3-dione and Heptan-2-one by cold plasma-photocatalysis combination. **Journal of Photochemistry and Photobiology A: Chemistry**, 2020, 386, 1; DOI: 10.1016/j.jphotochem.2019.112071.
13. Bandaly V., Joubert A., Andres Y., Le Cann P. Adenovirus behavior in air handling unit fiberglass filters. **Aerobiologia** 2019, 35 : 357–366. DOI: 10.1007/s10453-019-09565-3
14. Dematteo C., Le Bot B., Le Cann P., Sanchez M. Phase chantier et qualité de l'air intérieur: quel impact des processus de construction sur la santé des futurs occupants ? **Environnement, Risques et Santé** 2019 18 :323-328. DOI : 10.1684/ers.2019.1329
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21. Gangneux J.P., Reponen T., Vesper S., Méheust D., Le Cann P. Characterization of the home fungal exposure using high throughput new generation sequencing (NGS) on air samples: a pilot study. **Mycoses**, 2017, 60 (Supplement S2), pp.122-122. <10.1111/myc.12674>
22. Gangneux J.P., Belaz S., Rivier A., Le Cann P., Guillaso M., Donnio P., Blanchard O., Mercier F., Surget E., Baures E. Florentin A. Analyse physicochimique et microbiologique de la Qualité de

l'Air Intérieur dans les établissements HOSPitaliers : l'étude QAIHOSP. **J. Mycol. Med.** 2016; 2:e10

23. Dallongeville A., Le Cann P., Zmirou-Navier D., Chevrier C., Costet N., Annesi-Maesano I., Blanchard O. Concentration and determinants of molds and allergens in indoor air and house dust of French dwellings. **Sci. Total Environ.** 2015;536:964-72.
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