

### Principales publications de l'UMT Protorisk

1. CHALMERS, RM., ROBERTSON, LJ., DORNY, P., JORDAN, S., KÄRSSIN, A., KATZER, F., LA CARBONA, S., LALLE, M., LASSEN, B., MLADINEO, I., ROZYCKI, M., BILSKA-ZAJAC, E., SCHARES, G., MAYER-SCHOLL, A., TREVISAN, C., TYSNES, K., VASILEV, S., KLOTZ, C. Parasite detection in food: current status and future needs for validation. *Trends Food Sci Technol*. Soumis.
2. DURAND, L., LA CARBONA, S., GEFFARD, A., POSSENTI, A., DUBEY, J.P., LALLE, M. 2019. Comparative evaluation of loop-mediated isothermal amplification (LAMP) vs qPCR for detection of *Toxoplasma gondii* oocysts DNA in mussels. *Exp. Parasitol*.
3. GEBE, E., AUBERT, D., DURAND, L., ESCOTTE, S., LA CARBONA, S., CAZEAUX, C., BONNARD, I., BASTIEN, F., PALOS-LADEIRO, M., DUBEY, JP., VILLENA, I., GEFFARD, A., BIGOT-CLIVOT, A. 2019. Use of the bivalve *Dreissena polymorpha* as a biomonitoring tool to reflect the protozoan load in freshwater bodies. *Water Research*.
4. ESCOTTE-BINET, S., DA SILVA, AM., CANCEÈS, B., AUBERT, D., DUBEY, J., LA CARBONA, S., VILLENA, I., POULLE, M-L. 2019. A rapid and sensitive method to detect *Toxoplasma gondii* oocysts in soil samples. *Vet Parasitol*, 274:108904.
5. ROUSSEAU, A., ESCOTTE-BINET, S., LA CARBONA, S., DUMETRE, A., CHAGNEAU, S., FAVENNEC, L., KUBINA, S., DUBEY, JP., MAJOU, D., BIGOT-CLIVOT, A., VILLENA, I., AUBERT, D. 2019. *Toxoplasma gondii* Oocyst Infectivity Assessed Using a Sporocyst-Based Cell Culture Assay Combined with Quantitative PCR for Environmental Applications. *Appl Environ Microbiol*, 85.
6. GÉRARD, C., FRANSSSEN, F., LA CARBONA, S., MONTEIRO, S., COZMA-PETRUT., A, UTAAKER, KS., REŽEK JAMBRÁK, A., ROWAN, N., RODRÍGUEZ-LAZARO, D., NASSER, A., TYSNES, K., ROBERTSON, LJ. 2019. Inactivation of parasite transmission stages: Efficacy of treatments on foods of non-animal origin. *Trends Food Sci Technol*, 91:12–23.
7. SHAPIRO, K., BAHIA-OLIVEIRA, L., DIXON, B., DUMETRE, A., DE WIT, LA., VANWORMER, E. VILLENA, I. 2019. Environmental transmission of *T. gondii*: Oocysts in water, soil and food. *Food Waterborne Parasitol*, 15, e00049.
8. FRANSSSEN, F., GERARD, C., LA CARBONA, S., ROBERTSON, LJ., PAULSEN P. 2019. Control of Fishborne Parasites in the Food Industry. *Food Protection Trends*, 39(4): 334-337.
9. ROUSSEAU, A., VILLENA, I., DUMETRE, A., ESCOTTE-BINET, S., FAVENNEC, L., DUBEY, JP., AUBERT, D. LA CARBONA, S. 2019. Evaluation of propidium monoazide-based qPCR to detect viable oocysts of *Toxoplasma gondii*. *Parasitol. Research*, 118(3):999-1010.
10. ROUSSEAU, A., LA CARBONA, S., DUMETRE, A., ROBERTSON, LJ., GARGALA, G., ESCOTTE-BINET, S., FAVENNEC, L., VILLENA, I., GERARD, C., AUBERT, D. 2018. Assessing viability and infectivity of foodborne and waterborne stages (cysts/oocysts) of *Giardia duodenalis*, *Cryptosporidium* spp., and *Toxoplasma gondii*: a review of methods. *Parasites*, 25, 14.
11. RAZAKANDRAINIBE R., DIAWARA, EHI., COSTA, D., LE GOFF, L., LEMETTEL, D., BALLET, JJ., GARGALA, G., FAVENNEC, L. 2018. Common occurrence of *C. hominis* in asymptomatic and symptomatic calves in France. *PLoS Negl Trop Dis*. 29;12(3).
12. KERAMBRUN, E., PALOS LADEIRO, M., BIGOT-CLIVOT, A., DEDOURGE-GEFFARD, O., DUPUIS, E., VILLENA, I., AUBERT, D., GEFFARD, A. 2016. Zebra mussel as a new tool to show evidence of freshwater contamination by waterborne *Toxoplasma gondii*. *J Appl Microbiol*. 120:498-508
13. PALOS LADEIRO M., AUBERT D., BIGOT-CLIVOT A., DURAND L., FAVENNEC L., GARGALA G., GEBE E., LA CARBONA S., LE FOLL F., LE GUERNIC A., LEPRÊTRE M., PIERRE S., VILLENA I., GEFFARD A. Mollusc Bivalves as Indicators of contamination of water bodies by protozoan parasites, *Encyclopedia of Environmental Health*, 2018, in press.
14. LA CARBONA, S. et VILLENA, I. 2017. Protozoaires, un risque émergent à mieux connaître. *RIA*. N° 793, Octobre 2017: 84-86.
15. LA CARBONA S. et VILLENA I. 2016. Parasites protozoaires, les nouveaux dangers émergents. *Process Alimentaire*. N° 1338, Juillet-Août 2016: 72-73.
16. HOHWYER, J., CAZEAUX, C., TRAVAILLE, E., LANGUET, E., DUMETRE, A., AUBERT, D., TERRYN, C., DUBEY, JP., AZAS, N., HOUSSIN, M., FAVENNEC, L., VILLENA, I., LA CARBONA, S. 2016. Simultaneous detection of the protozoan parasites *Toxoplasma*, *Cryptosporidium* and *Giardia* in food matrices and their persistence on basil leaves. *Food Microbiology*. 57: 36-44.
17. TRAVAILLE, E., LA CARBONA, S., AUBERT, D., GUYOT, K., GARGALA, G., DUMETRE, A., VILLENA, I., HOUSSIN, M. 2016. Development of qRT-PCR method to assess viability of *Giardia intestinalis* cysts, and *Cryptosporidium* spp. and *Toxoplasma gondii* oocysts. *Food Control*. 59: 359-365.
18. LE GOFF, L., HUBERT, B., FAVENNEC, L., VILLENA, I., BALLET, JJ., AGOULON, A., ORANGE, N., GARGALA, G. 2015. Pilot-scale pulsed UV light irradiation of experimentally infected raspberries suppresses *C. parvum* infectivity in immunocompetent suckling mice. *J Food Protec*. 78, 2247-52.