

Production Scientifique

Le bilan quantitatif de ma production scientifique est résumé dans le tableau ci-après, puis détaillé par rubrique dans les sections suivantes, et est établi depuis le début de mes activités de recherche (2012). Les étudiants sont soulignés.

Publications dans des revues à comité de lecture <i>Facteur h :16</i> <i>1118 citations ; 32 citations / article en moyenne (Scholar 12/25)</i>	34
Brevet	1
Chapitres d'ouvrage	2
Communications orales (+ posters) dans des conférences internationales	24 (12)
Communications dans des congrès nationaux	35
Séminaires, conférences invitées	7
Rapports (dissémination médias)	6 (20)

Publications de Rang A

34. **Thiebault T.**, 2026, *Revealing the past: Sedimentary archives as historical records of ionizable organic contaminant trends*, **TRAC Trends in Analytical Chemistry** 195, 118623
33. Veselská V., Kašlík J., Baragaño D., Simonneau A., **Thiebault T.**, Petr M., Filip J., Moquet J.-S., Ratié G., 2025, *Synergistic pharmaceutical interactions with nanoscale iron nitrides and natural organic matter*, **Chemical Engineering Journal** 523, 168285
32. Humbrecht A., Simonneau A., **Thiebault T.**, Bernier-Turpin G., Le Milbeau C., Freslon N., Veselská V., Kašlík J., Ratié G., Ledieu L., Le Forestier L., 2025, *Effect of sediment accumulation on pharmaceutical product spatial distributions at the suburban pond scale (Beulie pond, SNO Observil, France)*, **Applied Geochemistry** 190, 106487
31. **Thiebault T.**, Simonneau A., Lanos P., Dufresne P., Le Milbeau C., Hatté C., Jacob J., 2025, *Sediments accumulated in sewer settling basins as recorders of historical use of drugs: Potential and limitations*, **Water Science & Technology** 92 (1), pp. 20-33
30. **Thiebault T.**, Carré C., Bernier-Turpin G., Asselin C., Barfuss A.-F., Caud N., Jacob J., 2025 *Using wastewater to monitor suggested changes in dietary intake: A participatory experiment*, **Journal of Urban Health**, 102, pp.872-6
29. **Thiebault T.**, Labadie P., Foucher A., Barbier J.-S., Alliot F., Soubise T., Pardon P., Budzinski H., Dhivert E., Evrard O., Ayrault S., 2025, *Record of trace organic contaminants in a river sediment core: a fingerprint of regulatory changes?*, **Journal of Environmental Management** 389, 126276
28. Daniel O., **Thiebault T.**, Guigon E., 2025, *Medicinal applications and environmental fate of antimicrobial peptides: a review*, **Environmental Chemistry Letters** 23, pp. 1745-76

27. Bernier-Turpin G., Moilleron R., Cenik C., Alliot F., Guérin-Rechdaoui S., **Thiebault T.**, 2025, *Do suspended particles matter for wastewater-based epidemiology?*, **Water Research** 280, 123543
26. Baz-Lomba J.A., van Nuijs A.L.N., Lenart-Boron A., ... **Thiebault T.**, Matias J., 2025, *Bridging the gap between research and decision making : a European survey to enhance cooperation in wastewater-based epidemiology (WBE) for illicit drugs*, **Public Health** 241, pp. 158-63
25. Bernier-Turpin G., **Thiebault T.**, Alliot F., Mebold E., Guérin S., Oliveira M., Le Roux J., Moilleron R., 2024, *Targeted and non-targeted screening of biomarkers in wastewater: towards a unique analytical methodology for sample preparation*, **Analytical Methods** 16, pp. 6241-56 .
24. Cancade M., **Thiebault T.**, Mignon P., 2023, *Selective adsorption of organic micro-pollutants by smectite clays revealed from atomistic simulations*, **International Journal of Molecular Sciences** 24 (19), 14781.
23. Limousy L., **Thiebault T.**, Brendlé J., 2022, *New materials and technologies for wastewater treatment*, **Materials**, 15(5), 1927.
22. Le Gaudu M., **Thiebault T.**, Quénéa K., Alliot F., Guigon E., Le Callonnec L., 2022, *Trace organic contaminants within solid matrices along an anthropized watercourse: Organo-mineral controls on their spatial distribution*, **Science of the Total Environment** 822, 153601.
21. **Thiebault T.**, Fougère L., Simonneau A., Destandau E., Le Milbeau C., Jacob J., 2021, *Occurrence of drug target residues within decantation tank sediments: a good clue to assess their historical excretion?*, **Sustainable Environment Research** 31, 18
20. Ledieu L., Simonneau A., **Thiebault T.**, Fougère L., Destandau E., Cerdan O., Laggoun F., 2021, *Spatial distribution of pharmaceuticals within the particulate phases of a peri-urban stream*, **Chemosphere** 279, 130385.
19. **Thiebault T.**, Alliot F., Berthe T., Blanchoud H., Petit F., Guigon E., 2021, *Record of trace organic contaminants in a river sediment core: from historical wastewater management to historical use*, **Science of the Total Environment** 773, 145694.
18. **Thiebault T.**, 2020, *Raw and modified clays and clay minerals for the removal of pharmaceutical products from aqueous solutions: state of the art and future perspectives*, **Critical Reviews in Environmental Science and Technology** 50(14), pp. 1451-514.
17. **Thiebault T.**, Brendlé J., Augé G., Limousy L., 2020, *Laponites® for the Recovery of ¹³³Cs, ⁵⁹Co and ⁸⁸Sr from Aqueous Solutions and Subsequent Storage: Impact of Grafted Silane Loads*, **Materials** 13(3), 572.
16. **Thiebault T.**, Brendlé J., Augé G., Limousy L., 2020 *Cleaner synthesis of silylated clay minerals for the durable recovery of ions (Co²⁺ and Sr²⁺) from aqueous solutions*, **Industrial & Engineering Chemistry Research** 59(5), pp. 2104-12.
15. **Thiebault T.**, 2020, *Sulfamethoxazole/Trimethoprim ratio as a new marker in raw wastewaters: a critical review*, **Science of the Total Environment** 715, 136916.
14. **Thiebault T.**, Boussafir M., Fougère L., Destandau E., Monnin L., Le Milbeau C., 2019, *Clay minerals for the removal of pharmaceuticals: Initial investigations of their adsorption properties in real wastewater effluents*, **Environmental Nanotechnology, Monitoring and Management** 12, 100266.

13. **Thiebault T.**, 2019, *Comment on “the multi-mechanisms and interlayer configurations of metoprolol uptake on montmorillonite”*, **Chemical Engineering Journal** 371, pp. 378-9.
12. **Thiebault T.**, Brendlé J., Augé G., Limousy L., 2019, *Zwitterionic-surfactant modified LAPONITE®s for removal of ions (Cs^+ , Sr^{2+} and Co^{2+}) from aqueous solutions as a sustainable recovery method for radionuclides from aqueous wastes*, **Green Chemistry** 21, pp. 5118-27.
11. **Thiebault T.**, Fougère L., Destandau E., Réty M., Jacob J., 2019, *Impact of meteorological and social events on human-excreted contaminant loads in raw wastewater: from daily to weekly dynamics*, **Chemosphere** 230, pp. 107-16.
10. **Thiebault T.**, Boussafir M., 2019, *Adsorption mechanisms of psychoactive drugs onto montmorillonite*, **Colloid and Interface Science Communications** 30, 100183.
9. Mahamat Ahmat A., **Thiebault T.**, Guégan R., 2019, *Phenolic acids interactions with clay minerals: a spotlight on the adsorption mechanisms of Gallic Acid onto Montmorillonite*, **Applied Clay Science** 180, 105188.
8. **Thiebault T.**, Chassiot L., Fougère L., Destandau E., Simonneau A., Van Beek P., Souhaut M., Chapron E., 2017, *Record of pharmaceutical products in river sediments: a powerful tool to assess the historical impact of urban management*. **Anthropocene** 18, pp. 47-56.
7. **Thiebault T.**, Fougère L., Destandau E., Réty M., Jacob J., 2017, *Temporal dynamics of human-excreted pollutants in wastewater treatment plant influents: toward a better knowledge of mass load fluctuations*. **Science of the Total Environment** 596-597, pp. 246-55.
6. De Oliveira T., Guégan R., **Thiebault T.**, Le Milbeau C., Muller F., Teixeira V., Giovanela M., Boussafir M., 2017, *Adsorption of diclofenac onto organoclays : Effects of surfactant and environmental (pH and temperature) conditions*. **Journal of Hazardous Materials** 323 Part A, pp. 558-66.
5. **Thiebault T.**, Boussafir M., Le Milbeau C., 2017, *Occurrence and removal efficiency of pharmaceuticals in urban wastewater treatment plant: mass balance and consumption assessment*. **Journal of Environmental Chemical Engineering** 5(3), pp. 2894-902.
4. **Thiebault T.**, Boussafir M., Le Forestier L., Le Milbeau C., Monnin L., Guégan R., 2016, *Correction : Competitive adsorption of a pool of pharmaceuticals onto a raw clay mineral*. **RSC Advances** 6, p. 69312.
3. **Thiebault T.**, Boussafir M., Le Forestier L., Le Milbeau C., Monnin L., Guégan R., 2016, *Competitive adsorption of a pool of pharmaceuticals onto a raw clay mineral*. **RSC Advances** 6, pp. 65257-65.
2. **Thiebault T.**, Boussafir M., Guégan R., Le Milbeau C., Le Forestier L., 2016, *Clayey-sand filter for the removal of pharmaceuticals from wastewater effluent: percolation experiments*. **Environmental Science: Water Research & Technology** 2, pp. 529-38.
1. **Thiebault T.**, Guégan R., Boussafir M., 2015, *Adsorption mechanisms of emerging micro-pollutants with a clay mineral: Case of tramadol and doxepin pharmaceutical products*. **Journal of Colloid and Interface Science** 453, pp. 1-8.

Brevet

Augé G., Brendlé J., Limousy L., **Thiebault T.**, Brevet FR3078268 (30/08/2019) et WO 2019/162638 (29/08/2019) - Matériaux hybrides organique-inorganique aptes à adsorber des cations métalliques - ONET Technologies, CNRS, Université de Haute-Alsace.

Editions d'ouvrage

Blanchoud H., **Thiebault T.**, 2025, Les microcontaminants dans le bassin de la Seine, Fascicule #25 du PIREN-Seine, ISBN 978-2-490463-20-6, Arceau-IDF, 92p.

Chapitres d'ouvrage

Thiebault T., 2025 ; Les techniques analytiques pour évaluer la santé des populations par les eaux usées, Chimie et Eau, ISBN 978-2-7598-3810-3, EDP Sciences, 18p.

Deloménie A., Mercier F. (dir.)... **Thiebault T.**, Yari A., 2025, 35 ans d'interdisciplinarité dans le bassin de la Seine, Fascicule #27 du PIREN-Seine, ISBN 978-2-490463-26-8, Arceau-IDF, 72p.

Rapports

- 7.**Thiebault T.**, Foucher A., Barbier J.-S., Labadie P., Gasperi J., Mouchel J.-M., Alliot F., Budzinski H., Dhivert E., Grosbois C., Evrard O., Ayrault S., 2024, *Archives sédimentaires : reconstruire les trajectoires temporelles des contaminants*, in Baratelli F & **Thiebault T.** (Eds.) Dynamiques des contaminants à l'échelle du bassin de la Seine, Rapport de fin de phase VIII, 32p.
- 6.Baratelli F., Alliot F., Ayrault S., Benedetti M., Berthe T., Bigot A., Bizeul R., Blanchoud H., Bonnard I., ... **Thiebault T.**, Traoré S., Zhang Z.-X., Wang F., 2024, *Caractérisation de l'état de contamination de la Seine*, in Baratelli F & **Thiebault T.** (Eds.) Dynamiques des contaminants à l'échelle du bassin de la Seine, Rapport de fin de phase VIII, 103p.
- 5.Ayrault S., Benedetti M., Bertrand C., ..., **Thiebault T.**, ..., Thibault de Chanvalon A., 2024, *Prospective Surfaces et Interfaces Continentales : 2024-2028*, INSU, CNRS
- 4.**Thiebault T.**, Foucher A., Grosbois C., Mouchel J.M., Traoré S., Alliot F., Evrard O., Ayrault S., 2022, *L'archive sédimentaire de l'étang Saint-Denis (Seine-et-Marne, France) : un révélateur des retombées atmosphériques en contaminants du dernier siècle ?*, PIREN-Seine phase 8, Rapport 2022, 13 p.
- 3.Vivant A.L., Berthe T., Guigon E., Janvier B., Colin Y., Alliot F., Goutte A., Marchand E., **Thiebault T.**, Valdès D., Blanchoud H., Dagot C., Grall N., Petit F., 2021, *Suivi des marqueurs de la dissémination de l'antibiorésistance (biofilms, sédiments, biote) dans une rivière urbanisée du bassin de la Seine (l'Orge)*, PIREN-Seine phase 8, Rapport 2021, 13 p.
- 2.Ayrault S., Evrard O., Foucher A., Lefèvre I., Dhivert E., Lestel L., **Thiebault T.**, 2020, *Archives sédimentaires : à la recherche de nouveaux sites de carottage pour reconstruire l'histoire de la contamination de la Seine*, PIREN-Seine phase 8, Rapport 2020, 9 p.
- 1.Blanchoud H., **Thiebault T.**, Alliot F., Traoré S., Raymond V., Bourdet A., Bernicard G., Fauchon N., 2020, *Recherche de nouveaux contaminants le long de l'axe Seine, intérêt et mise au point des protocoles d'analyse : cas du métaldéhyde, de la metformine et des traitements potentiels à la Covid-19*, PIREN-Seine phase 8, Rapport 2020, 15 p.