



## **Frédéric Violleau**

Dr. Frédéric Violleau is a distinguished researcher specializing in ozone applications in agriculture and food sciences. He holds a Ph.D. in Agro-Resources Sciences from the Institut National Polytechnique de Toulouse and an engineering degree from ENSC Toulouse. As Associate Dean for Research at Ecole d'Ingénieurs de PURPAN, he has led pioneering studies on ozone's role as a sanitary and technological agent. His work explores ozonation for improving grain quality, degrading mycotoxins, and controlling phytopathogens on plant and post-harvest fruits and vegetables. Founder of the TOAsT research platform, he has contributed to innovative strategies for reducing pesticide use in agriculture. A former president of the International Ozone Association, he has authored over 70 scientific publications and several patents, advancing global knowledge on ozone-based technologies.

Ozone Applications in Agriculture and Food