

Cyanobacterial crowding-out effects on metabolite partitioning: modeling 2-methylisoborneol (MIB) release dynamics and implications

Highlights

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- Intracellular–extracellular MIB partitioning shows growth-dependent patterns
- A crowding-based model links cell growth phase to MIB release dynamics
- The model identifies odor risk thresholds and supports early warning in Lake Taihu