

Special Issue

Innovative Tools and Strategies for Tuberculosis (TB) Detection: Advancing Diagnosis Through Technology, Integration, and Equity

Message from the Guest Editor

Tuberculosis (TB) remains a global health challenge, with millions undiagnosed or unreported. Effective TB detection requires not just technology, but also strategic approaches to maximize reach, improve equity, and close diagnostic gaps. Recent innovations like AI-assisted diagnostics, digital platforms, and decentralized screening show promise. This Special Issue highlights emerging technological and strategic innovations in TB case detection and notification. We seek submissions exploring how these approaches enhance accessibility, speed diagnosis, and strengthen health system integration. Original research and reviews are welcome, especially aligning with global/tropical health scope. Topics include:

- Digital triage & linkage-to-care
- AI diagnostics (CAD, cough analysis, digital stethoscope)
- Novel non-sputum tests (e.g., tongue swabs, urine LAM)
- Specimen pooling & molecular testing optimization
- Outreach for underserved populations
- TB screening: private providers, pharmacies, mobile teams
- Diagnostic connectivity & real-time notification
- Implementation research & health system integration

We welcome your contributions to this impactful collection.

Guest Editor

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Message from the Editor-in-Chief

Editor-in-Chief

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