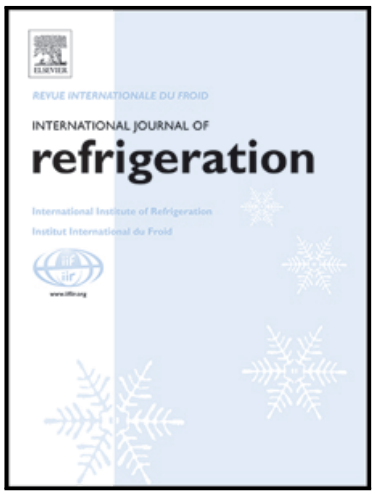

On-farm milk cooling solution based on insulated cans with integrated ice compartment

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Highlights

- Ice is used as cooling medium inside insulated milk-cans
- The same milk-can is used for transporting morning milk or storage overnight
- Bacteria growth is prevented up to 12 hours after milking
- The developed computational model predict cooling curves
- The presented solution is suitable for small-scale farmers and solar applications