

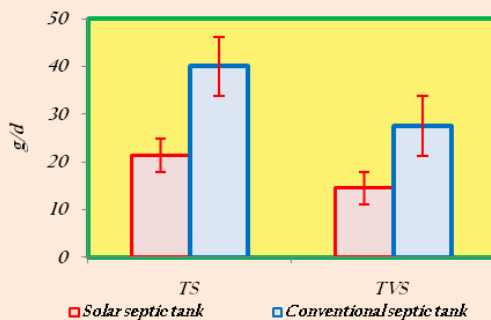


SOLAR SEPTIC SYSTEM

“A modified septic tank using solar water heater has been found to be an effective sanitation technology to enhancing pathogen die-off, increase biodegradation of organic matters, and production of better quality of septic tank effluents. It leads to better environment protection and consequential public health benefits”

ORGANIC MATTER REDUCTION

- 1.5 litres of methane (CH₄) can be produced every day.
- CH₄ production is nearly 60% higher than the conventional septic tank.



PATHOGENIC REDUCTION

- E.coli reductions in the solar septic tank is 99.99%.
- The effluent concentrations of E. coli are less than 10³ MPN/100mL, which is hygienically safe for disposal or reuses.

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- The solar septic tank reduces the accumulated solid by 50 % than conventional septic tanks.

