

**Table 4.4** Percentage of ethylbenzene take up by *Z. zamiffolia* and microorganism-associated leaf of *Z. zamiffolia* for 1<sup>st</sup> cycle

Condition	Time (Hour)				
	12	24	36	48	60
Sterile plant ( <b>Control</b> )	45.29 <sup>a</sup>	65.62 <sup>a</sup>	75.85 <sup>a</sup>	19.76 <sup>a</sup>	100
Sterile plant + <i>P. putida</i> TISTR1522	53.13 <sup>b</sup>	69.41 <sup>b</sup>	78.90 <sup>b</sup>	100 <sup>b</sup>	100
Sterile plant + <i>P. aeruginosa</i>	68.00 <sup>d</sup>	76.94 <sup>e</sup>	100 <sup>c</sup>	100 <sup>b</sup>	100
Sterile plant + <i>B. cereus</i> E33L	64.06 <sup>c</sup>	72.57 <sup>b,c</sup>	79.82 <sup>b</sup>	100 <sup>b</sup>	100
Sterile plant + <i>Bacillus</i> sp. N6	65.08 <sup>c</sup>	69.61 <sup>b</sup>	79.83 <sup>b</sup>	100 <sup>b</sup>	100
Sterile plant + <i>B. cereus</i> strain ZQN5	53.05 <sup>b</sup>	72.92 <sup>c</sup>	24.10 <sup>c</sup>	100 <sup>b</sup>	100
Sterile plant + <i>Bacillus</i> sp. 6B254-3L	62.31 <sup>c</sup>	72.37 <sup>b,c</sup>	79.10 <sup>b</sup>	100 <sup>b</sup>	100

Data are list as average  $\pm$ SD for three replications. Duncan's multiple range tests with 95% confident level was used to classify the group of data. Values in the same column with the superscripted same letter are not significantly different ( $\alpha = 0.05$ )

**Table 4.5** Percentage of ethylbenzene take up by *Z. zamiffolia* and microorganism-associated leaf of *Z. zamiffolia* for 2<sup>nd</sup> cycle

Treatment	Time (Hour)			
	12	24	36	48
Sterile plant ( <b>Control</b> )	26.50 <sup>a</sup>	61.25 <sup>a</sup>	78.21 <sup>a</sup>	100
Sterile plant + <i>P. putida</i> TISTR1522	25.35 <sup>a</sup>	59.02 <sup>a</sup>	76.80 <sup>a</sup>	100
Sterile plant + <i>P. aeruginosa</i>	39.26 <sup>b</sup>	69.54 <sup>b</sup>	100 <sup>b</sup>	100
Sterile plant + <i>B. cereus</i> E33L	41.13 <sup>b</sup>	68.72 <sup>b</sup>	100 <sup>b</sup>	100
Sterile plant + <i>Bacillus</i> sp. N6	48.36 <sup>c,d</sup>	78.40 <sup>c</sup>	100 <sup>b</sup>	100
Sterile plant + <i>B. cereus</i> strain ZQN5	42.39 <sup>b,c</sup>	76.53 <sup>c</sup>	100 <sup>b</sup>	100
Sterile plant + <i>Bacillus</i> sp. 6B254-3L	54.17 <sup>d</sup>	67.83 <sup>b</sup>	78.72 <sup>a</sup>	100

Data are list as average  $\pm$ SD for three replications. Duncan's multiple range tests with 95% confident level was used to classify the group of data. Values in the same column with the superscripted same letter are not significantly different ( $\alpha = 0.05$ )

**Table 4.6** Percentage of ethylbenzene take up by *Z. zamiffolia* and microorganism-associated leaf of *Z. zamiffolia* for 3<sup>rd</sup> cycle

Treatment	Time (Hour)				
	12	24	36	48	60
Sterile plant ( <b>Control</b> )	40.96 <sup>a</sup>	67.60 <sup>a</sup>	74.15 <sup>a</sup>	80.11 <sup>a</sup>	100
Sterile plant + <i>P. putida</i> TISTR1522	53.74 <sup>b</sup>	71.96 <sup>b</sup>	80.48 <sup>b</sup>	100 <sup>b</sup>	100
Sterile plant + <i>P. aeruginosa</i>	68.21 <sup>c</sup>	78.19 <sup>c</sup>	100 <sup>c</sup>	100 <sup>b</sup>	100
Sterile plant + <i>B. cereus</i> E33L	58.66 <sup>c</sup>	72.68 <sup>b</sup>	100 <sup>c</sup>	100 <sup>b</sup>	100
Sterile plant + <i>Bacillus</i> sp. N6	64.36 <sup>d</sup>	76.25 <sup>c</sup>	100 <sup>c</sup>	100 <sup>b</sup>	100
Sterile plant + <i>B.cereus</i> strain ZQN5	69.42 <sup>e</sup>	80.08 <sup>e</sup>	100 <sup>c</sup>	100 <sup>b</sup>	100
Sterile plant + <i>Bacillus</i> sp. 6B254-3L	58.84 <sup>c</sup>	71.00 <sup>b</sup>	80.00 <sup>b</sup>	100 <sup>b</sup>	100

Data are list as average  $\pm$ SD for three replications. Duncan's multiple range tests with 95% confident level was used to classify the group of data. Values in the same column with the superscripted same letter are not significantly different ( $\alpha = 0.05$ )