

Supplementary Tables

Supplementary Table S1. The comparison of the antibacterial effects of *E. angustifolia* extracts on bacteria by disc method.

Bacteria/Tissue	Concentration	Hydroalcolic ^a	Ethanolic ^a	Aqueous ^b	Methanolic ^a
<i>B. subtilis</i> ^c Pulp extract	50	00.00±0.00 ^f	10.00±0.66 ^{b-g}	3.66±1.0 ^{m-q}	00.00±0.00 ^f
	100	3.33±0.66 ^{o-q}	11.00±0.66 ^{y-f}	9.00±1.2 ^{e-j}	00.00±0.00 ^f
	200	00.00±0.00 ^f	11.33±0.88 ^{w-e}	13.66±1.88 ^{q-y}	10.00±0.88 ^{b-g}
	400	10.00±0.33 ^{b-g}	15.33±0.33 ^{m-t}	18.66±0.33 ^{f-k}	15.33±0.33 ^{m-t}
<i>B. subtilis</i> ^a Pit extract	50	00.00±0.00 ^f	15.33±0.00 ^{m-t}	6.33±0.00 ^{j-n}	13.66±0.00 ^{q-y}
	100	11.33±0.66 ^{w-e}	20.66±0.66 ^{d-f}	11.33±0.66 ^{x-f}	16.66±0.66 ^{i-p}
	200	10.33±0.00 ^{a-g}	24.33±0.00 ^{a-b}	16.00±0.00 ^{l-r}	16.33±0.00 ^{k-q}
	400	15.33±0.33 ^{m-t}	26.00±0.33 ^a	23.66±0.33 ^{a-b}	20.33±0.33 ^{d-g}
<i>B. cereus</i> ^f pit extract	50	6.66±0.88 ^{i-m}	00.00±0.00 ^r	00.00±0.00 ^r	00.00±0.00 ^f
	100	10.00±0.66 ^{b-g}	00.00±0.00 ^r	7.66±0.66 ^{g-l}	00.00±0.00 ^f
	200	13.66±0.57 ^{q-y}	11.00±0.88 ^{y-f}	11.33±0.88 ^{x-f}	5.66±0.88 ^{l-p}
	400	15.00±0.33 ^{m-s}	16.00±0.33 ^{l-r}	14.00±0.33 ^{p-x}	12.00±0.33 ^{y-d}
<i>B. cereus</i> ^f pulp extract	50	00.00±0.00 ^f	00.00±0.00 ^r	00.00±0.00 ^r	00.00±0.00 ^f
	100	9.66±0.66 ^{c-h}	00.00±0.00 ^r	6.00±0.66 ^{k-o}	00.00±0.00 ^f
	200	10.66±0.57 ^{z-f}	2.33±0.57 ^{g-r}	9.00±0.57 ^{e-j}	00.00±0.00 ^f
	400	11.66±0.33 ^{w-e}	10.00±0.33 ^{b-g}	11.66±0.57 ^{w-e}	00.00±0.00 ^f
<i>E. faecali</i> ^e Pulp extract	50	00.00±0.00 ^f	10.00±0.88 ^{b-g}	00.00±0.00 ^r	6.66±0.88 ^{i-m}
	100	00.00±0.00 ^f	11.00±0.33 ^{y-f}	00.00±0.00 ^r	11.33±0.33 ^{x-f}
	200	00.00±0.00 ^f	13.00±0.57 ^s	00.00±0.00 ^r	14.66±0.57 ^{n-v}
	400	00.00±0.00 ^f	17.00±0.33 ^{i-o}	00.00±0.00 ^r	17.66±0.33 ^{g-m}
<i>E. faecali</i> ^e Pit extract	50	00.00±0.00 ^f	00.00±0.00 ^r	00.00±0.00 ^r	00.00±0.00 ^f
	100	6.66±0.33 ^{i-m}	14.00±0.33 ^{p-x}	00.00±0.00 ^r	10.00±0.33 ^{b-g}
	200	10.33±0.57 ^{a-g}	15.33±0.57 ^{m-t}	9.33±0.57 ^{d-i}	12.00±0.57 ^{v-d}
	400	14.33±0.33 ^{o-w}	17.33±0.33 ^{n-h}	11.33±0.33 ^{x-f}	12.66±0.33 ^{t-b}
<i>S. typhi</i> ^e Pit extract	50	12.00±0.33 ^{v-d}	00.00±0.00 ^r	00.00±0.00 ^r	00.00±0.00 ^f
	100	14.33±0.33 ^{o-w}	7.66±0.33 ^{g-l}	00.00±0.00 ^r	00.00±0.00 ^f
	200	19.33±0.57 ^{f-j}	9.66±0.67 ^{c-h}	00.00±0.00 ^r	00.00±0.00 ^f
	400	23.00±0.33 ^{b-c}	12.00±0.57 ^{v-d}	00.00±0.00 ^r	00.00±0.00 ^f
<i>S. typhi</i> ^e Pulp extract	50	7.00±0.33 ^{h-l}	10.00±0.33 ^{b-g}	00.00±0.00 ^r	00.00±0.00 ^f
	100	12.00±0.33 ^{v-d}	10.33±0.33 ^{a-g}	00.00±0.00 ^r	11.33±0.33 ^{x-f}
	200	13.33±0.57 ^{s-a}	11.00±0.57 ^{y-df}	00.00±0.00 ^r	11.66±0.57 ^{w-e}
	400	14.00±0.33 ^{p-x}	14.00±0.33 ^{p-x}	00.00±0.00 ^r	13.66±0.33 ^{q-y}

Supplementary Table S2. The comparison of the antibacterial effects of *S. striata* extract on bacteria by disc method.

Bacteria	Concentration	Hydroalcolic ^d	Ethanolic ^c	Aqueous ^a	Methanolic ^b
<i>B. subtilis</i> ^c	50	14.33±0.66 ^{y-d}	10.66±0.66 ^{f-l}	16.00±1.0 ^{s-y}	11.33±0.88 ^{e-k}
	100	16.66±0.66 ^{q-x}	13.00±0.66 ^{z-j}	18.33±1.2 ^{l-t}	16.00±0.57 ^{s-y}
	200	20.33±0.88 ^{i-o}	15.33±0.88 ^{y-a}	23.00±1.88 ^{f-i}	17.00±0.88 ^{n-v}
	400	24.66±0.33 ^{d-h}	29.00±0.33 ^{k-s}	27.66±0.33 ^{c-d}	20.66±0.33 ^{i-p}
<i>B. cereus</i> ^b	50	14.66±0.88 ^{y-d}	11.33±0.86 ^k	13.33±0.66 ^{y-g}	16.33±0.66 ^{s-y}
	100	15.66±0.66 ^{y-a}	12.66±0.66 ^{c-i}	16.33±0.66 ^{r-y}	17.66±0.66 ^{n-v}
	200	20.33±0.57 ^{i-p}	13.33±0.88 ^{y-f}	27.33±0.88 ^{c-d}	28.00±0.88 ^c
	400	23.00±0.33 ^{f-i}	21.66±0.33 ^{h-l}	37.66±0.33 ^a	36.33±0.33 ^a
<i>E. faecali</i> ^e	50	7.33±0.88 ^{m-p}	8.00±0.88 ^{h-p}	12.00±0.88 ^{c-i}	6.33±0.88 ^{o-p}
	100	8.66±0.66 ^{i-p}	9.66±0.33 ^{h-n}	16.66±0.33 ^{q-x}	14.66±0.33 ^{y-d}
	200	10.33±0.57 ^{g-m}	13.66±0.57 ^{y-f}	20.00±0.57 ^{i-p}	17.66±0.57 ^{p-w}
	400	12.66±0.33 ^{a-h}	17.00±0.33 ^{p-w}	26.00±1.00 ^{c-e}	20.00±0.33 ^{i-m}
<i>S. typhi</i> ^d	50	8.66±0.33 ^{i-p}	8.66±0.33 ^{i-p}	16.66±0.33 ^{s-y}	11.00±0.33 ^{f-l}
	100	10.33±0.33 ^{g-m}	9.66±0.33 ^{h-n}	19.63±0.33 ^{j-q}	13.33±0.33 ^{y-g}
	200	14.33±0.57 ^{y-d}	13.66±0.67 ^{y-f}	23.66±0.57 ^{e-h}	21.33±0.57 ^{h-l}
	400	18.00±0.33 ^{m-u}	16.00±0.57 ^{s-y}	28.00±0.33 ^c	32.00±0.33 ^b
<i>S. aureus</i> ^a	50	15.33±0.33 ^{y-b}	15.33±0.33 ^{y-b}	17.00±0.33 ^{p-w}	11.00±0.33 ^{f-l}
	100	18.33±0.33 ^{l-t}	19.00±0.33 ^{k-s}	19.33±0.33 ^{j-r}	13.33±0.33 ^{y-g}
	200	22.33±0.57 ^{g-j}	17.66±0.57 ^{n-v}	28.33±0.57 ^c	28.33±0.57 ^c
	400	25.66±0.33 ^{c-f}	17.33±0.33 ^{o-w}	37.00±0.33 ^a	35.00±0.33 ^a
<i>X. compestris</i> ^g	50	7.33±0.33 ^{m-p}	0.00±0.00 ^q	9.33±0.33 ^{i-o}	0.00±0.00 ^q
	100	9.66±0.33 ^{h-n}	0.00±0.00 ^q	12.00±0.33 ^{c-i}	7.33±0.33 ^{n-p}
	200	12.00±0.57 ^{c-i}	0.00±0.00 ^q	15.33±0.57 ^{y-c}	12.66±0.57 ^{a-h}
	400	15.00±0.33 ^{y-c}	0.00±0.00 ^q	15.66±0.33 ^{y-a}	15.66±0.33 ^{y-a}
<i>R. solanacearum</i> ^f	50	0.00±0.00 ^q	9.66±0.33 ^{h-n}	11.33±0.33 ^k	6.33±0.33 ^{o-p}
	100	0.00±0.00 ^q	15.00±0.33 ^{y-c}	18.00±0.33 ^{m-u}	9.00±0.33 ^{i-o}
	200	11.00±0.33 ^{f-l}	16.33±0.57 ^{q-x}	21.33±0.57 ^{h-l}	13.66±0.57 ^{y-f}
	400	13.00±0.33 ^{z-j}	19.66±0.33 ^{k-s}	24.66±0.33 ^{d-h}	16.66±0.33 ^{q-x}
<i>C. michiganensis</i> ^h	50	0.00±0.00 ^q	0.00±0.00 ^q	6.00±0.33 ^p	0.00±0.00 ^q
	100	0.00±0.00 ^q	0.00±0.00 ^q	9.33±0.33 ^{i-o}	0.00±0.00 ^q
	200	0.00±0.00 ^q	0.00±0.00 ^q	11.66±0.57 ^{d-j}	7.33±0.33 ^{m-p}
	400	8.33±0.33 ^{k-p}	0.00±0.00 ^q	15.66±0.33 ^{y-a}	12.33±0.33 ^{b-i}

Supplementary Table S3. The results of *E. angustifolia* extracts on MIC and MBC.

Extract Bacteria		hydroalcoholic		ethanolic		aqueous		methanolic	
		MIC	MBC	MIC	MBC	MIC	MBC	MIC	MBC
<i>B. subtilis</i>	pulp	10 ⁻¹	-	10 ⁻¹	10 ⁻¹	10 ⁻²	-	10 ⁻¹	-
	pit	10 ⁻¹	-	10 ⁻¹	-	10 ⁻¹	10 ⁻¹	10 ⁻²	10 ⁻¹
<i>B. cereus</i>	pulp	10 ⁻¹	-	10 ⁻¹	-	10 ⁻³	-	-	-
	pit	10 ⁻¹	-	10 ⁻¹	-	10 ⁻¹	10 ⁻¹	10 ⁻¹	-
<i>E. faecalis</i>	pulp	-	-	10 ⁻¹	10 ⁻¹	-	-	10 ⁻¹	10 ⁻¹
	pit	10 ⁻¹	-	10 ⁻¹	10 ⁻¹	10 ⁻¹	-	10 ⁻¹	-
<i>S. typhi</i>	pulp	10 ⁻¹	-	10 ⁻¹	-	-	-	10 ⁻¹	-
	pit	10 ⁻²	10 ⁻¹	10 ⁻¹	10 ⁻¹	-	-	-	-
<i>S. aureus</i>	pulp	10 ⁻¹	10 ⁻¹	10 ⁻¹	10 ⁻¹	10 ⁻²	10 ⁻²	10 ⁻¹	10 ⁻¹
	pit	10 ⁻¹	10 ⁻¹	10 ⁻¹	10 ⁻¹	10 ⁻²	10 ⁻¹	10 ⁻¹	10 ⁻¹
<i>X. compestris</i>	pulp	10 ⁻¹	10 ⁻¹	10 ⁻¹	10 ⁻¹	-	-	10 ⁻¹	10 ⁻¹
	pit	10 ⁻¹	10 ⁻¹	10 ⁻¹	-	-	-	10 ⁻²	10 ⁻¹
<i>R. solanacearum</i>	pulp	10 ⁻¹	10 ⁻¹	10 ⁻¹	10 ⁻¹	10 ⁻¹	10 ⁻¹	10 ⁻³	10 ⁻¹
	pit	10 ⁻¹	-	-	-	10 ⁻²	10 ⁻¹	10 ⁻²	10 ⁻¹
<i>C. michiganensis</i>	pulp	10 ⁻²	-	-	-	10 ⁻¹	10 ⁻¹	10 ⁻¹	-
	pit	10 ⁻¹	10 ⁻¹	10 ⁻¹	10 ⁻¹	10 ⁻¹	10 ⁻¹	10 ⁻²	10 ⁻¹

Supplementary Table S4. The number of subjects in each group and the average rank of variables (*E. angustifolia*).

			Number	Average rating
Extract	MIC	Pulp	96	143
		Pit	96	142
	MBC	Pulp	96	142.5
		Pit	96	145.5
Bacteria	MIC	<i>Bacillus subtilis</i>	36	149.00
		<i>Bacillus cereus</i>	36	145.00
		<i>Enterococcus Faecalis</i>	36	137.00
		<i>Salmonella typhi</i>	36	141.00
		<i>Staph. aureus</i>	36	141.00
		<i>Xantomonas compestris</i>	36	141.00
		<i>Ralestonia solanacearum</i>	36	153.00
		<i>Clavibacter mishiganensis</i>	36	149.00
		Total	288	
	MBC	<i>Bacillus subtilis</i>	36	148.5
		<i>Bacillus cereus</i>	36	132.5
		<i>Enterococcus faecalis</i>	36	140.5
		<i>Salmonella typhi</i>	36	140.0
		<i>Staph. aureus</i>	36	144.5
		<i>Xantomonas compestris</i>	36	144.5
		<i>Ralestonia solanacearum</i>	36	152.5
<i>Clavibacter mishiganensis</i>		36	152.5	
	Total	288		
Solvents	MIC	hydro alcoholic	72	145.0
		Ethanolic	72	141.0
		aqueous	72	141.0
		Methanolic	72	151.0
		Total	288	
	MBC	hydroalcoholic	72	138.5
		Ethanolic	72	140.5
		aqueous	72	154.5
		Methanolic	72	144.5
		Total	288	

Table S5. The results of *S. striata* extracts on MIC and MBC.

Extract Bacteria	hydroalcoholic		ethanolic		aqueous		methanolic	
	MIC	MBC	MIC	MBC	MIC	MBC	MIC	MBC
<i>B. subtilis</i>	10 ⁻¹	10 ⁻¹	10 ⁻¹	-	10 ⁻²	10 ⁻¹	10 ⁻¹	10 ⁻¹
<i>B. cereus</i>	10 ⁻¹	-	10 ⁻¹	-	10 ⁻³	10 ⁻¹	10 ⁻¹	-
<i>E. faecalis</i>	10 ⁻¹	-	10 ⁻¹	-	10 ⁻¹	10 ⁻¹	10 ⁻¹	-
<i>S. typhi</i>	10 ⁻¹	-	10 ⁻¹	10 ⁻¹	10 ⁻²	10 ⁻¹	10 ⁻¹	-
<i>S. aureus</i>	10 ⁻¹	10 ⁻¹	10 ⁻¹	-	10 ⁻³	10 ⁻²	10 ⁻¹	10 ⁻¹
<i>X. compestris</i>	10 ⁻¹	-	-	-	10 ⁻¹	10 ⁻¹	10 ⁻¹	-
<i>R. solanacearum</i>	10 ⁻¹	-	10 ⁻¹	-	10 ⁻¹	10 ⁻¹	10 ⁻¹	10 ⁻¹
<i>C. michiganensis</i>	10 ⁻¹	-	-	-	10 ⁻¹	10 ⁻¹	10 ⁻¹	-

Supplementary Table S6. The number of subjects in each group and the average rank of the variables (*S. striata*).

			Number	Average rating
Bacteria	MIC	<i>Bacillus subtilis</i>	36	149.00
		<i>Bacillus cereus</i>	36	145.00
		<i>Enterococcus faecalis</i>	36	137.00
		<i>Salmonella typhi</i>	36	141.00
		<i>Staph. Aureus</i>	36	141.00
		<i>Xantomonas compestris</i>	36	141.00
		<i>Ralestonia solanacearum</i>	36	153.00
		<i>Clavibacter michiganensis</i>	36	149.00
		Total	288	
	MBC	<i>Bacillus subtilis</i>	36	148.5
		<i>Bacillus cereus</i>	36	132.5
		<i>Enterococcus faecalis</i>	36	140.5
		<i>Salmonella typhi</i>	36	140.0
		<i>Staph. aureus</i>	36	144.5
		<i>Xantomonas compestris</i>	36	144.5
		<i>Ralestonia solanacearum</i>	36	152.5
<i>Clavibacter michiganensis</i>		36	152.5	
Total	288			
Solvents	MIC	hydro alcoholic	72	145.0
		Ethanolic	72	141.0
		aqueous	72	141.0
		Methanolic	72	151.0
		Total	288	
	MBC	hydroalcoholic	72	138.5
		Ethanolic	72	140.5
		aqueous	72	154.5
		Methanolic	72	144.5
		Total	288	