

Supplementary File

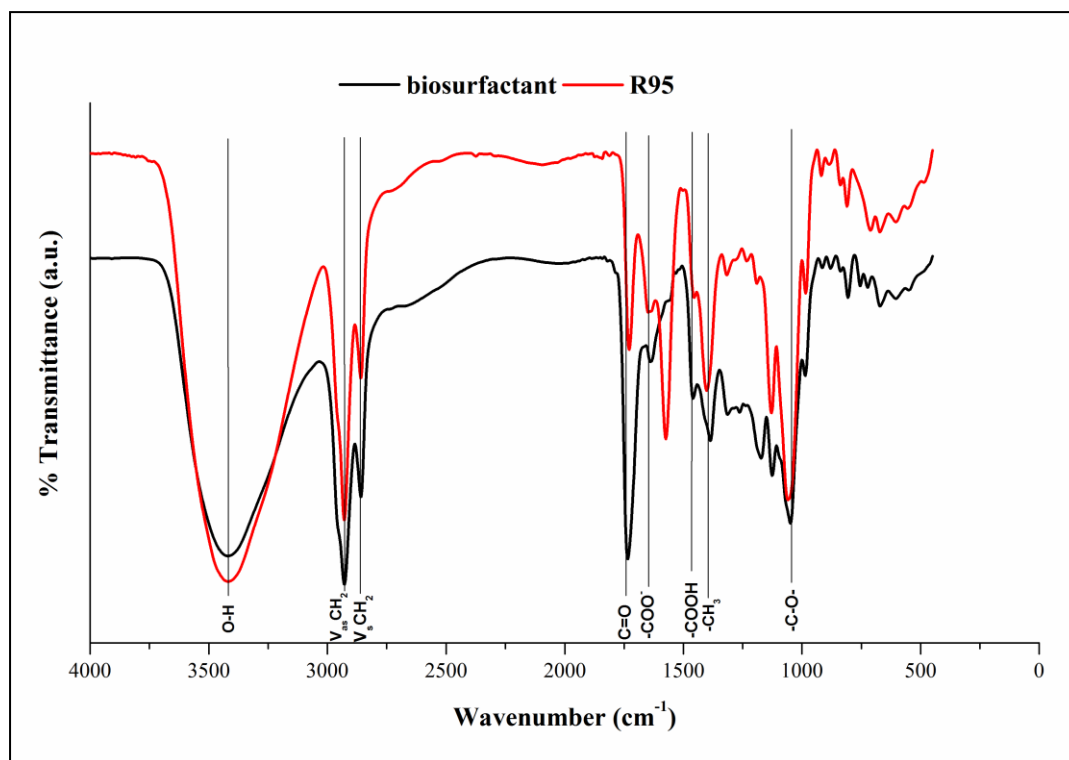


Figure 1. FTIR spectra of the biosurfactant and the standard R-95 showing major functional groups

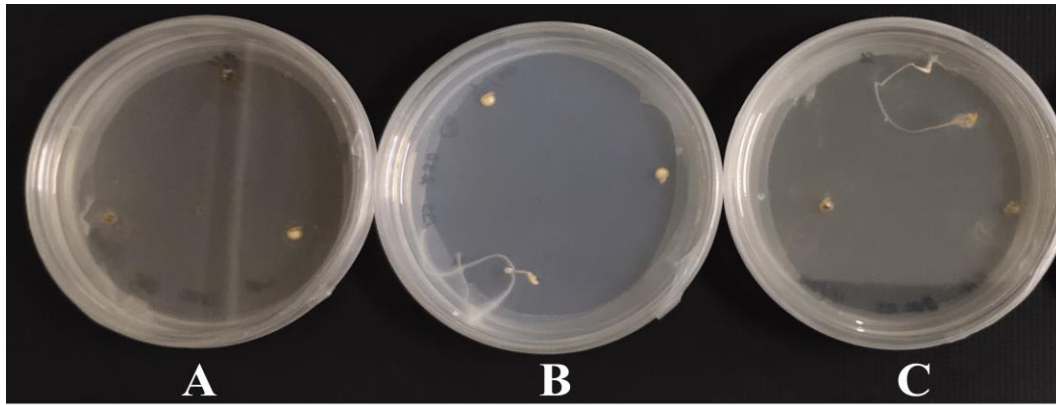


Figure 2. Seed germination in *C. cassiicola* infected king chilli seeds after treating with crude rhamnolipid

A. Control

B. Rhamnolipid (750 mgL⁻¹) treated

C. Bavistin treated

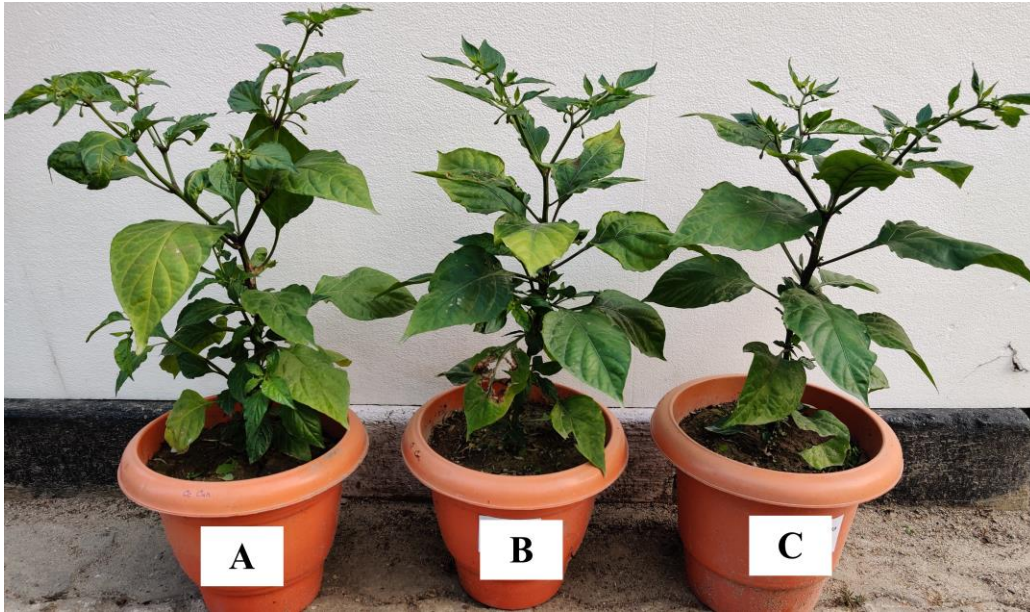


Figure 3. Plant bioassay in *C. cassiicola* infected king chilli plant after treating with crude rhamnolipid

- A. Curative treatment by rhamnolipid (1000 mgL^{-1})
- B. Control
- C. Preventive treatment by rhamnolipid (1000 mgL^{-1})

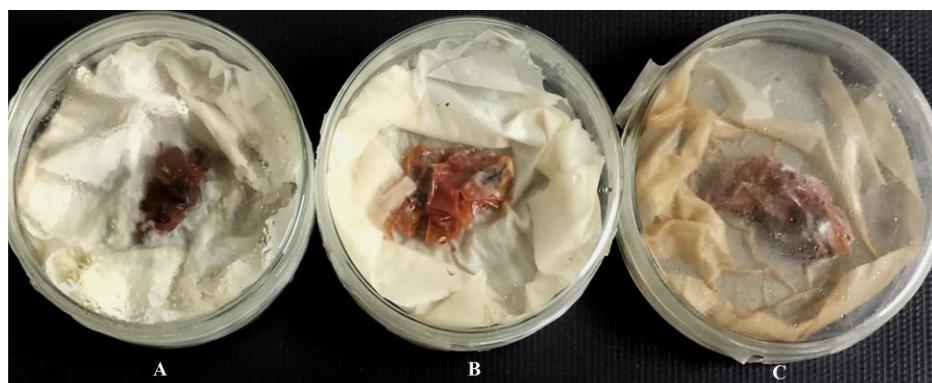


Figure 4. King chilli fruit infected by *C. cassiicola* after treating with crude rhamnolipid

A- Control (Infected fruit without any treatment)

B- Infected fruit treated with bavistin (1 g/L)

C- Infected fruit treated with rhamnolipid (1 g/L)

Table 2: The list of reference standard R-95 and the congeners of biosurfactants RL-1, RL-2, RL-3, RL-4 and RL-5 after characterization through LC-ESI-MS in both positive and negative mode

Sl No	Biosurfactant	Rhamnolipid congeners	m/z	Detected as ion	Biosurfactant	R-95
1.	Mono- rhamno- mono- lipidic	[Rha-C _{8:2}]*	301	[M-H] ⁻	-	+
2.		[Rha-C ₁₀]	335	[M+H] ⁺	-	+
3.		[Rha-C _{12:2}]	381	[M+Na] ⁺	+	+
4.		[Rha-C _{14:2}]	387	[M+H] ⁺	+	+
5.		[Rha-C ₁₄]	391	[M+H] ⁺	+	+
6.	Mono- rhamno- di- lipidic	[Rha-(C ₈ -C _{8:1})] or [Rha-(C _{8:1} -C ₈)]	445	[M-H] ⁻	+	-

7.		[Rha-(C ₁₀ -C ₈)] or [Rha-(C ₈ -C ₁₀)]*	477	[M+H] ⁺	+	-
8.		[Rha-C ₁₀ -C _{10:1}] or [Rha-(C _{10:1} -C ₁₀)]	541	[M+K] ⁺	+	-
9.		[Rha-(C ₁₀ -C ₁₀)]*	505 527 503	[M+H] ⁺ [M+Na] ⁺ [M-H] ⁻	+	+
10.		[Rha-(C ₁₀ -C _{12:1})] or [Rha-(C _{10:1} -C ₁₂)]*	575	[M- H+Na ₂] ⁺	+	-
11.		Rha-(C ₁₀ -C ₁₂) or [Rha-(C ₁₂ -C ₁₀)]	577	[M- H+Na ₂] ⁺	+	-
12.		[Rha- (C ₁₂ -C ₁₂)]	599	[M+K] ⁺	+	-
13.		[Rha-(C ₁₂ -C _{14:1})] or [Rha-(C ₁₄ -C _{12:1})]	585	[M-H] ⁻	+	-
14.	Di- rhamno-	[Rha ₂ -C ₈]	453	[M+H] ⁺	+	-
15.	mono- lipidic	[Rha ₂ -C ₁₀]	479 481	[M-H] ⁺ [M+H] ⁺	-	+
16.	Di- rhamno- di- lipidic	[Rha ₂ -C ₁₀ -C ₈)] or [Rha ₂ -(C ₈ -C ₁₀)]*	667	[M-H+Na ₂] ⁺	+	+
17.		[Rha ₂ -(C ₁₀ -C ₁₀)]**	651 689 695	[M+H] ⁺ [M+K] ⁺ [M-H+Na ₂] ⁺	+	-
18.		[Rha ₂ -(C ₁₀ -C _{12:1})] or [Rha ₂ -(C _{10:1} - C ₁₂)] [Rha ₂ -(C _{12:1} - C ₁₀)] or [Rha ₂ - (C ₁₂ -C _{10:1})]	699	[M+H] ⁺ [M+Na] ⁺	-	+
19.		[Rha ₂ -(C ₁₂ -C _{12:1})] or [Rha ₂ -(C _{12:1} - C ₁₂)]*	749	[M-H+Na ₂] ⁺	+	-
20.		[Rha ₂ -(C ₁₂ -C ₁₂)]*	707	[M+H] ⁺	+	-

Statistical Analysis

1. Comparison among different concentrations of rhamnolipid samples against mycelia of *Corynespora cassiicola*

1. a) Comparison among different concentrations of crude rhamnolipid

	MeanDiff	SEM	t Value	Prob	Alpha	Sig	LCL	UCL
200CR 100CR	8.18667	0.34587	23.66988	7.02292E-14	0.05	1	7.45346	8.91988
300CR 100CR	12.28	0.34587	35.50483	1.20247E-16	0.05	1	11.54679	13.01321
300CR 200CR	4.09333	0.34587	11.83494	2.514E-9	0.05	1	3.36012	4.82654
400CR 100CR	19.64333	0.34587	56.79423	6.93353E-20	0.05	1	18.91012	20.37654
400CR 200CR	11.45667	0.34587	33.12435	3.59912E-16	0.05	1	10.72346	12.18988
400CR 300CR	7.36333	0.34587	21.2894	3.64413E-13	0.05	1	6.63012	8.09654
500CR 100CR	24.2	0.34587	69.96879	2.49391E-21	0.05	1	23.46679	24.93321
500CR 200CR	16.01333	0.34587	46.29891	1.78865E-18	0.05	1	15.28012	16.74654
500CR 300CR	11.92	0.34587	34.46397	1.92445E-16	0.05	1	11.18679	12.65321
500CR 400CR	4.55667	0.34587	13.17456	5.25854E-10	0.05	1	3.82346	5.28988
600CR 100CR	29.12333	0.34587	84.20349	1.29832E-22	0.05	1	28.39012	29.85654
600CR 200CR	20.93667	0.34587	60.53361	2.51083E-20	0.05	1	20.20346	21.66988
600CR 300CR	16.84333	0.34587	48.69867	8.01164E-19	0.05	1	16.11012	17.57654
600CR 400CR	9.48	0.34587	27.40926	7.08838E-15	0.05	1	8.74679	10.21321
600CR 500CR	4.92333	0.34587	14.2347	1.67128E-10	0.05	1	4.19012	5.65654
800CR 100CR	32.90667	0.34587	95.14214	1.84628E-23	0.05	1	32.17346	33.63988
800CR 200CR	24.72	0.34587	71.47226	1.77663E-21	0.05	1	23.98679	25.45321

800CR 300CR	20.62667	0.34587	59.63731	3.18449E-20	0.05	1	19.89346	21.35988
800CR 400CR	13.26333	0.34587	38.34791	3.5537E-17	0.05	1	12.53012	13.99654
800CR 500CR	8.70667	0.34587	25.17335	2.68644E-14	0.05	1	7.97346	9.43988
800CR 600CR	3.78333	0.34587	10.93865	7.77454E-9	0.05	1	3.05012	4.51654
1000CR 100CR	38.65	0.34587	111.74768	1.41267E-24	0.05	1	37.91679	39.38321
1000CR 200CR	30.46333	0.34587	88.0778	6.33045E-23	0.05	1	29.73012	31.19654
1000CR 300CR	26.37	0.34587	76.24286	6.33655E-22	0.05	1	25.63679	27.10321
1000CR 400CR	19.00667	0.34587	54.95345	1.17165E-19	0.05	1	18.27346	19.73988
1000CR 500CR	14.45	0.34587	41.77889	9.13705E-18	0.05	1	13.71679	15.18321
1000CR 600CR	9.52667	0.34587	27.54419	6.56286E-15	0.05	1	8.79346	10.25988
1000CR 800CR	5.74333	0.34587	16.60554	1.64779E-11	0.05	1	5.01012	6.47654

*100CR-100 mg/L, 200CR- 200 mg/L, 300CR- 300 mg/L, 400CR- 400 mg/L, 500CR- 500 mg/L, 600CR- 600 mg/L, 800CR- 800 mg/L, 1000CR-1000 mg/L

1. b) Comparison among different concentrations of column purified rhamnolipid

	MeanDiff	SEM	t Value	Prob	Alpha	Sig	LCL	UCL
200CP 100CP	8.33333	0.74572	11.17489	5.73378E-9	0.05	1	6.75248	9.91419
300CP 100CP	14.43	0.74572	19.35045	1.59106E-12	0.05	1	12.84915	16.01085
300CP 200CP	6.09667	0.74572	8.17555	4.17965E-7	0.05	1	4.51581	7.67752
400CP 100CP	19.77333	0.74572	26.51579	1.19164E-14	0.05	1	18.19248	21.35419
400CP 200CP	11.44	0.74572	15.34089	5.4523E-11	0.05	1	9.85915	13.02085
400CP 300CP	5.34333	0.74572	7.16534	2.24605E-6	0.05	1	3.76248	6.92419
500CP 100CP	25.65667	0.74572	34.40526	1.97698E-16	0.05	1	24.07581	27.23752
500CP 200CP	17.32333	0.74572	23.23037	9.40329E-14	0.05	1	15.74248	18.90419
500CP 300CP	11.22667	0.74572	15.05482	7.23395E-11	0.05	1	9.64581	12.80752
500CP	5.88333	0.74572	7.88947	6.63923E-	0.05	1	4.30248	7.46419

400CP				7				
600CP 100CP	32.77	0.74572	43.94415	4.09794E-18	0.05	1	31.18915	34.35085
600CP 200CP	24.43667	0.74572	32.76926	4.26638E-16	0.05	1	22.85581	26.01752
600CP 300CP	18.34	0.74572	24.59371	3.86542E-14	0.05	1	16.75915	19.92085
600CP 400CP	12.99667	0.74572	17.42836	7.89735E-12	0.05	1	11.41581	14.57752
600CP 500CP	7.11333	0.74572	9.53889	5.27618E-8	0.05	1	5.53248	8.69419
800CP 100CP	36.02667	0.74572	48.3113	9.09622E-19	0.05	1	34.44581	37.60752
800CP 200CP	27.69333	0.74572	37.13641	5.90758E-17	0.05	1	26.11248	29.27419
800CP 300CP	21.59667	0.74572	28.96085	2.98584E-15	0.05	1	20.01581	23.17752
800CP 400CP	16.25333	0.74572	21.79551	2.53208E-13	0.05	1	14.67248	17.83419
800CP 500CP	10.37	0.74572	13.90604	2.36536E-10	0.05	1	8.78915	11.95085
800CP 600CP	3.25667	0.74572	4.36715	4.78832E-4	0.05	1	1.67581	4.83752
1000CP 100CP	48.21333	0.74572	64.65346	8.79131E-21	0.05	1	46.63248	49.79419
1000CP 200CP	39.88	0.74572	53.47857	1.80666E-19	0.05	1	38.29915	41.46085
1000CP 300CP	33.78333	0.74572	45.30302	2.52663E-18	0.05	1	32.20248	35.36419
1000CP 400CP	28.44	0.74572	38.13768	3.87695E-17	0.05	1	26.85915	30.02085
1000CP 500CP	22.55667	0.74572	30.2482	1.50653E-15	0.05	1	20.97581	24.13752
1000CP 600CP	15.44333	0.74572	20.70931	5.58737E-13	0.05	1	13.86248	17.02419
1000CP 800CP	12.18667	0.74572	16.34216	2.09968E-11	0.05	1	10.60581	13.76752

*100CP-100 mg/L, 200CP- 200 mg/L, 300CP- 300 mg/L, 400CP- 400 mg/L, 500CP- 500 mg/L, 600CP- 600 mg/L, 800CP- 800 mg/L, 1000CP-1000 mg/L

1. c) Comparison among different concentrations of crude and column purified rhamnolipid

	MeanDiff	SEM	t Value	Prob	Alpha	Sig	LCL	UCL
200CR 100CR	8.18667	0.56796	14.41405	1.51691E-15	0.05	1	7.02976	9.34357
300CR 100CR	12.28	0.56796	21.62108	1.16332E-20	0.05	1	11.12309	13.43691

300CR 200CR	4.09333	0.56796	7.20703	3.47886E-8	0.05	1	2.93643	5.25024
400CR 100CR	19.64333	0.56796	34.58551	6.3912E-27	0.05	1	18.48643	20.80024
400CR 200CR	11.45667	0.56796	20.17146	9.25009E-20	0.05	1	10.29976	12.61357
400CR 300CR	7.36333	0.56796	12.96443	2.78406E-14	0.05	1	6.20643	8.52024
500CR 100CR	24.2	0.56796	42.60832	9.2571E-30	0.05	1	23.04309	25.35691
500CR 200CR	16.01333	0.56796	28.19427	3.6057E-24	0.05	1	14.85643	17.17024
500CR 300CR	11.92	0.56796	20.98724	2.83637E-20	0.05	1	10.76309	13.07691
500CR 400CR	4.55667	0.56796	8.02281	3.6908E-9	0.05	1	3.39976	5.71357
600CR 100CR	29.12333	0.56796	51.27671	2.68495E-32	0.05	1	27.96643	30.28024
600CR 200CR	20.93667	0.56796	36.86265	8.7191E-28	0.05	1	19.77976	22.09357
600CR 300CR	16.84333	0.56796	29.65562	7.58286E-25	0.05	1	15.68643	18.00024
600CR 400CR	9.48	0.56796	16.69119	2.37351E-17	0.05	1	8.32309	10.63691
600CR 500CR	4.92333	0.56796	8.66839	6.61967E-10	0.05	1	3.76643	6.08024
800CR 100CR	32.90667	0.56796	57.93792	5.61052E-34	0.05	1	31.74976	34.06357
800CR 200CR	24.72	0.56796	43.52387	4.74094E-30	0.05	1	23.56309	25.87691
800CR 300CR	20.62667	0.56796	36.31684	1.39025E-27	0.05	1	19.46976	21.78357
800CR 400CR	13.26333	0.56796	23.35241	1.14061E-21	0.05	1	12.10643	14.42024
800CR 500CR	8.70667	0.56796	15.3296	2.69322E-16	0.05	1	7.54976	9.86357
800CR 600CR	3.78333	0.56796	6.66122	1.62391E-7	0.05	1	2.62643	4.94024
1000CR 100CR	38.65	0.56796	68.05006	3.39283E-36	0.05	1	37.49309	39.80691
1000CR 200CR	30.46333	0.56796	53.63601	6.46695E-33	0.05	1	29.30643	31.62024
1000CR 300CR	26.37	0.56796	46.42898	6.18632E-31	0.05	1	25.21309	27.52691
1000CR 400CR	19.00667	0.56796	33.46455	1.78456E-26	0.05	1	17.84976	20.16357
1000CR 500CR	14.45	0.56796	25.44174	8.42136E-23	0.05	1	13.29309	15.60691
1000CR	9.52667	0.56796	16.77336	2.06036E-	0.05	1	8.36976	10.68357

600CR				17				
1000CR 800CR	5.74333	0.56796	10.11214	1.72454E-11	0.05	1	4.58643	6.90024
100CP 100CR	0.07	0.56796	0.12325	0.90268	0.05	0	-1.08691	1.22691
100CP 200CR	-8.11667	0.56796	-14.29081	1.92629E-15	0.05	1	-9.27357	-6.95976
100CP 300CR	-12.21	0.56796	-21.49783	1.38095E-20	0.05	1	-13.36691	-11.05309
100CP 400CR	-19.57333	0.56796	-34.46227	7.14394E-27	0.05	1	-20.73024	-18.41643
100CP 500CR	-24.13	0.56796	-42.48507	1.01404E-29	0.05	1	-25.28691	-22.97309
100CP 600CR	-29.05333	0.56796	-51.15346	2.89728E-32	0.05	1	-30.21024	-27.89643
100CP 800CR	-32.83667	0.56796	-57.81468	6.00246E-34	0.05	1	-33.99357	-31.67976
100CP 1000CR	-38.58	0.56796	-67.92682	3.5941E-36	0.05	1	-39.73691	-37.42309
200CP 100CR	5.73667	0.56796	10.1004	1.7745E-11	0.05	1	4.57976	6.89357
200CP 200CR	-2.45	0.56796	-4.31365	1.44001E-4	0.05	1	-3.60691	-1.29309
200CP 300CR	-6.54333	0.56796	-11.52068	6.36867E-13	0.05	1	-7.70024	-5.38643
200CP 400CR	-13.90667	0.56796	-24.48511	2.70866E-22	0.05	1	-15.06357	-12.74976
200CP 500CR	-18.46333	0.56796	-32.50792	4.39975E-26	0.05	1	-19.62024	-17.30643
200CP 600CR	-23.38667	0.56796	-41.1763	2.71233E-29	0.05	1	-24.54357	-22.22976
200CP 800CR	-27.17	0.56796	-47.83752	2.40872E-31	0.05	1	-28.32691	-26.01309
200CP 1000CR	-32.91333	0.56796	-57.94966	5.5746E-34	0.05	1	-34.07024	-31.75643
200CP 100CP	5.66667	0.56796	9.97715	2.39754E-11	0.05	1	4.50976	6.82357
300CP 100CR	14.5	0.56796	25.52978	7.57817E-23	0.05	1	13.34309	15.65691
300CP 200CR	6.31333	0.56796	11.11572	1.60249E-12	0.05	1	5.15643	7.47024
300CP 300CR	2.22	0.56796	3.9087	4.52337E-4	0.05	1	1.06309	3.37691
300CP 400CR	-5.14333	0.56796	-9.05574	2.4221E-10	0.05	1	-6.30024	-3.98643
300CP 500CR	-9.7	0.56796	-17.07854	1.22406E-17	0.05	1	-10.85691	-8.54309
300CP 600CR	-14.62333	0.56796	-25.74693	5.85004E-23	0.05	1	-15.78024	-13.46643

300CP 800CR	- 18.40667	0.56796	- 32.40815	4.84089E- 26	0.05	1	- 19.56357	- 17.24976
300CP 1000CR	-24.15	0.56796	- 42.52029	9.87951E- 30	0.05	1	- 25.30691	- 22.99309
300CP 100CP	14.43	0.56796	25.40653	8.78516E- 23	0.05	1	13.27309	15.58691
300CP 200CP	8.76333	0.56796	15.42938	2.24154E- 16	0.05	1	7.60643	9.92024
400CP 100CR	19.84333	0.56796	34.93765	4.65931E- 27	0.05	1	18.68643	21.00024
400CP 200CR	11.65667	0.56796	20.52359	5.52563E- 20	0.05	1	10.49976	12.81357
400CP 300CR	7.56333	0.56796	13.31657	1.34519E- 14	0.05	1	6.40643	8.72024
400CP 400CR	0.2	0.56796	0.35213	0.72705	0.05	0	-0.95691	1.35691
400CP 500CR	-4.35667	0.56796	-7.67067	9.62939E- 9	0.05	1	-5.51357	-3.19976
400CP 600CR	-9.28	0.56796	- 16.33906	4.38039E- 17	0.05	1	- 10.43691	-8.12309
400CP 800CR	- 13.06333	0.56796	- 23.00028	1.80623E- 21	0.05	1	- 14.22024	- 11.90643
400CP 1000CR	- 18.80667	0.56796	- 33.11242	2.48052E- 26	0.05	1	- 19.96357	- 17.64976
400CP 100CP	19.77333	0.56796	34.8144	5.20251E- 27	0.05	1	18.61643	20.93024
400CP 200CP	14.10667	0.56796	24.83725	1.75363E- 22	0.05	1	12.94976	15.26357
400CP 300CP	5.34333	0.56796	9.40787	9.87701E- 11	0.05	1	4.18643	6.50024
500CP 100CR	25.72667	0.56796	45.29628	1.34807E- 30	0.05	1	24.56976	26.88357
500CP 200CR	17.54	0.56796	30.88223	2.16289E- 25	0.05	1	16.38309	18.69691
500CP 300CR	13.44667	0.56796	23.6752	7.52465E- 22	0.05	1	12.28976	14.60357
500CP 400CR	6.08333	0.56796	10.71077	4.1157E- 12	0.05	1	4.92643	7.24024
500CP 500CR	1.52667	0.56796	2.68796	0.01131	0.05	1	0.36976	2.68357
500CP 600CR	-3.39667	0.56796	-5.98042	1.14872E- 6	0.05	1	-4.55357	-2.23976
500CP 800CR	-7.18	0.56796	- 12.64164	5.48911E- 14	0.05	1	-8.33691	-6.02309
500CP 1000CR	- 12.92333	0.56796	- 22.75378	2.50115E- 21	0.05	1	- 14.08024	- 11.76643
500CP 100CP	25.65667	0.56796	45.17303	1.46897E- 30	0.05	1	24.49976	26.81357
500CP	19.99	0.56796	35.19588	3.70251E-	0.05	1	18.83309	21.14691

200CP				27				
500CP 300CP	11.22667	0.56796	19.7665	1.68911E-19	0.05	1	10.06976	12.38357
500CP 400CP	5.88333	0.56796	10.35863	9.50672E-12	0.05	1	4.72643	7.04024
600CP 100CR	32.84	0.56796	57.82055	5.98317E-34	0.05	1	31.68309	33.99691
600CP 200CR	24.65333	0.56796	43.40649	5.16167E-30	0.05	1	23.49643	25.81024
600CP 300CR	20.56	0.56796	36.19946	1.53832E-27	0.05	1	19.40309	21.71691
600CP 400CR	13.19667	0.56796	23.23503	1.32856E-21	0.05	1	12.03976	14.35357
600CP 500CR	8.64	0.56796	15.21223	3.34642E-16	0.05	1	7.48309	9.79691
600CP 600CR	3.71667	0.56796	6.54384	2.26988E-7	0.05	1	2.55976	4.87357
600CP 800CR	-0.06667	0.56796	-0.11738	0.90729	0.05	0	-1.22357	1.09024
600CP 1000CR	-5.81	0.56796	-10.22952	1.29743E-11	0.05	1	-6.96691	-4.65309
600CP 100CP	32.77	0.56796	57.6973	6.402E-34	0.05	1	31.61309	33.92691
600CP 200CP	27.10333	0.56796	47.72014	2.60299E-31	0.05	1	25.94643	28.26024
600CP 300CP	18.34	0.56796	32.29077	5.41877E-26	0.05	1	17.18309	19.49691
600CP 400CP	12.99667	0.56796	22.8829	2.10825E-21	0.05	1	11.83976	14.15357
600CP 500CP	7.11333	0.56796	12.52426	7.04661E-14	0.05	1	5.95643	8.27024
800CP 100CR	36.09667	0.56796	63.55448	2.97684E-35	0.05	1	34.93976	37.25357
800CP 200CR	27.91	0.56796	49.14042	1.03082E-31	0.05	1	26.75309	29.06691
800CP 300CR	23.81667	0.56796	41.93339	1.52967E-29	0.05	1	22.65976	24.97357
800CP 400CR	16.45333	0.56796	28.96896	1.56337E-24	0.05	1	15.29643	17.61024
800CP 500CR	11.89667	0.56796	20.94616	3.00746E-20	0.05	1	10.73976	13.05357
800CP 600CR	6.97333	0.56796	12.27777	1.19681E-13	0.05	1	5.81643	8.13024
800CP 800CR	3.19	0.56796	5.61655	3.30307E-6	0.05	1	2.03309	4.34691
800CP 1000CR	-2.55333	0.56796	-4.49559	8.55034E-5	0.05	1	-3.71024	-1.39643
800CP 100CP	36.02667	0.56796	63.43123	3.16613E-35	0.05	1	34.86976	37.18357

800CP 200CP	30.36	0.56796	53.45407	7.20144E-33	0.05	1	29.20309	31.51691
800CP 300CP	21.59667	0.56796	38.0247	3.29965E-28	0.05	1	20.43976	22.75357
800CP 400CP	16.25333	0.56796	28.61683	2.27982E-24	0.05	1	15.09643	17.41024
800CP 500CP	10.37	0.56796	18.25819	1.7518E-18	0.05	1	9.21309	11.52691
800CP 600CP	3.25667	0.56796	5.73393	2.34814E-6	0.05	1	2.09976	4.41357
1000CP 100CR	48.28333	0.56796	85.01123	2.84388E-39	0.05	1	47.12643	49.44024
1000CP 200CR	40.09667	0.56796	70.59717	1.05459E-36	0.05	1	38.93976	41.25357
1000CP 300CR	36.00333	0.56796	63.39015	3.23196E-35	0.05	1	34.84643	37.16024
1000CP 400CR	28.64	0.56796	50.42571	4.55799E-32	0.05	1	27.48309	29.79691
1000CP 500CR	24.08333	0.56796	42.40291	1.07772E-29	0.05	1	22.92643	25.24024
1000CP 600CR	19.16	0.56796	33.73452	1.38947E-26	0.05	1	18.00309	20.31691
1000CP 800CR	15.37667	0.56796	27.0733	1.25545E-23	0.05	1	14.21976	16.53357
1000CP 1000CR	9.63333	0.56796	16.96116	1.49414E-17	0.05	1	8.47643	10.79024
1000CP 100CP	48.21333	0.56796	84.88798	2.97846E-39	0.05	1	47.05643	49.37024
1000CP 200CP	42.54667	0.56796	74.91082	1.59781E-37	0.05	1	41.38976	43.70357
1000CP 300CP	33.78333	0.56796	59.48145	2.43686E-34	0.05	1	32.62643	34.94024
1000CP 400CP	28.44	0.56796	50.07358	5.68836E-32	0.05	1	27.28309	29.59691
1000CP 500CP	22.55667	0.56796	39.71494	8.43718E-29	0.05	1	21.39976	23.71357
1000CP 600CP	15.44333	0.56796	27.19068	1.09927E-23	0.05	1	14.28643	16.60024
1000CP 800CP	12.18667	0.56796	21.45675	1.46247E-20	0.05	1	11.02976	13.34357

*100CR-100 mg/L, 200CR- 200 mg/L, 300CR- 300 mg/L, 400CR- 400 mg/L, 500CR- 500 mg/L, 600CR- 600 mg/L, 800CR- 800 mg/L, 1000CR-1000 mg/L
100CP-100 mg/L, 200CP- 200 mg/L, 300CP- 300 mg/L, 400CP- 400 mg/L, 500CP- 500 mg/L, 600CP- 600 mg/L, 800CP- 800 mg/L, 1000CP-1000 mg/L

2. Comparison between IC₅₀ values of crude and column purified rhamnolipid samples against mycelia of *C. cassicola*

	MeanDiff	SEM	t Value	Prob	Alpha	Sig	LCL	UCL
CP CR	- 44.73702	0.61627	- 72.59323	2.15783E- 7	0.05	1	-46.448	- 43.02604

*CR- crude, CP- column purified

3. Comparison among different concentrations of rhamnolipid samples against spores of *C. cassiicola*

3. a) Comparison among different concentrations of crude rhamnolipid

	MeanDiff	SEM	t Value	Prob	Alpha	Sig	LCL	UCL
50CR 25CR	3.26	0.28326	11.50891	2.83454E- 10	0.05	1	2.66913	3.85087
100CR 25CR	7.27	0.28326	25.66557	8.81462E- 17	0.05	1	6.67913	7.86087
100CR 50CR	4.01	0.28326	14.15666	6.9609E- 12	0.05	1	3.41913	4.60087
200CR 25CR	14.18	0.28326	50.06023	1.70936E- 22	0.05	1	13.58913	14.77087
200CR 50CR	10.92	0.28326	38.55132	3.01846E- 20	0.05	1	10.32913	11.51087
200CR 100CR	6.91	0.28326	24.39465	2.36213E- 16	0.05	1	6.31913	7.50087
300CR 25CR	21.53	0.28326	76.00823	4.19774E- 26	0.05	1	20.93913	22.12087
300CR 50CR	18.27	0.28326	64.49932	1.10687E- 24	0.05	1	17.67913	18.86087
300CR 100CR	14.26	0.28326	50.34265	1.52871E- 22	0.05	1	13.66913	14.85087
300CR 200CR	7.35	0.28326	25.948	7.12504E- 17	0.05	1	6.75913	7.94087
400CR 25CR	27.13667	0.28326	95.80167	4.14044E- 28	0.05	1	26.5458	27.72753
400CR 50CR	23.87667	0.28326	84.29276	5.32946E- 27	0.05	1	23.2858	24.46753
400CR 100CR	19.86667	0.28326	70.13609	2.08535E- 25	0.05	1	19.2758	20.45753
400CR 200CR	12.95667	0.28326	45.74144	1.02364E- 21	0.05	1	12.3658	13.54753
400CR 300CR	5.60667	0.28326	19.79344	1.31652E- 14	0.05	1	5.0158	6.19753
500CR 25CR	31.65	0.28326	111.73527	1.91512E- 29	0.05	1	31.05913	32.24087
500CR 50CR	28.39	0.28326	100.22636	1.68036E- 28	0.05	1	27.79913	28.98087
500CR 100CR	24.38	0.28326	86.0697	3.51453E- 27	0.05	1	23.78913	24.97087
500CR 200CR	17.47	0.28326	61.67504	2.69943E- 24	0.05	1	16.87913	18.06087

500CR 300CR	10.12	0.28326	35.72704	1.35412E-19	0.05	1	9.52913	10.71087
500CR 400CR	4.51333	0.28326	15.9336	7.86352E-13	0.05	1	3.92247	5.1042
600CR 25CR	36.4	0.28326	128.50439	1.17023E-30	0.05	1	35.80913	36.99087
600CR 50CR	33.14	0.28326	116.99548	7.63653E-30	0.05	1	32.54913	33.73087
600CR 100CR	29.13	0.28326	102.83881	1.00501E-28	0.05	1	28.53913	29.72087
600CR 200CR	22.22	0.28326	78.44416	2.23754E-26	0.05	1	21.62913	22.81087
600CR 300CR	14.87	0.28326	52.49616	6.6532E-23	0.05	1	14.27913	15.46087
600CR 400CR	9.26333	0.28326	32.70272	7.72014E-19	0.05	1	8.67247	9.8542
600CR 500CR	4.75	0.28326	16.76912	3.02844E-13	0.05	1	4.15913	5.34087
800CR 25CR	42.75	0.28326	150.92205	4.69452E-32	0.05	1	42.15913	43.34087
800CR 50CR	39.49	0.28326	139.41314	2.29431E-31	0.05	1	38.89913	40.08087
800CR 100CR	35.48	0.28326	125.25647	1.95235E-30	0.05	1	34.88913	36.07087
800CR 200CR	28.57	0.28326	100.86182	1.48107E-28	0.05	1	27.97913	29.16087
800CR 300CR	21.22	0.28326	74.91382	5.60558E-26	0.05	1	20.62913	21.81087
800CR 400CR	15.61333	0.28326	55.12038	2.52359E-23	0.05	1	15.02247	16.2042
800CR 500CR	11.1	0.28326	39.18678	2.18542E-20	0.05	1	10.50913	11.69087
800CR 600CR	6.35	0.28326	22.41766	1.20964E-15	0.05	1	5.75913	6.94087
1000CR 25CR	49.5	0.28326	174.75184	2.49833E-33	0.05	1	48.90913	50.09087
1000CR 50CR	46.24	0.28326	163.24293	9.76609E-33	0.05	1	45.64913	46.83087
1000CR 100CR	42.23	0.28326	149.08627	5.99673E-32	0.05	1	41.63913	42.82087
1000CR 200CR	35.32	0.28326	124.69162	2.13699E-30	0.05	1	34.72913	35.91087
1000CR 300CR	27.97	0.28326	98.74362	2.26305E-28	0.05	1	27.37913	28.56087
1000CR 400CR	22.36333	0.28326	78.95018	1.96819E-26	0.05	1	21.77247	22.9542
1000CR 500CR	17.85	0.28326	63.01657	1.75883E-24	0.05	1	17.25913	18.44087
1000CR	13.1	0.28326	46.24746	8.23051E-	0.05	1	12.50913	13.69087

600CR				22				
1000CR 800CR	6.75	0.28326	23.8298	3.71821E-16	0.05	1	6.15913	7.34087

*25CR- 25 mg/L, 50CR- 50 mg/L, 100CR-100 mg/L, 200CR- 200 mg/L, 300CR- 300 mg/L, 400CR- 400 mg/L, 500CR- 500 mg/L, 600CR- 600 mg/L, 800CR- 800 mg/L, 1000CR-1000 mg/L

3. b) Comparison among different concentrations of column purified rhamnolipid

	MeanDiff	SEM	t Value	Prob	Alpha	Sig	LCL	UCL
50CP 25CP	4.93	0.33613	14.66673	3.63928E-12	0.05	1	4.22883	5.63117
100CP 25CP	11.68	0.33613	34.74795	2.34089E-19	0.05	1	10.97883	12.38117
100CP 50CP	6.75	0.33613	20.08122	9.99503E-15	0.05	1	6.04883	7.45117
200CP 25CP	17.05333	0.33613	50.7336	1.31105E-22	0.05	1	16.35217	17.7545
200CP 50CP	12.12333	0.33613	36.06687	1.12363E-19	0.05	1	11.42217	12.8245
200CP 100CP	5.37333	0.33613	15.98565	7.40051E-13	0.05	1	4.67217	6.0745
300CP 25CP	21.53	0.33613	64.05167	1.27155E-24	0.05	1	20.82883	22.23117
300CP 50CP	16.6	0.33613	49.38494	2.23831E-22	0.05	1	15.89883	17.30117
300CP 100CP	9.85	0.33613	29.30371	6.64157E-18	0.05	1	9.14883	10.55117
300CP 200CP	4.47667	0.33613	13.31807	2.11089E-11	0.05	1	3.7755	5.17783
400CP 25CP	27.64	0.33613	82.22889	8.74004E-27	0.05	1	26.93883	28.34117
400CP 50CP	22.71	0.33613	67.56216	4.39291E-25	0.05	1	22.00883	23.41117
400CP 100CP	15.96	0.33613	47.48094	4.88348E-22	0.05	1	15.25883	16.66117
400CP 200CP	10.58667	0.33613	31.49529	1.6161E-18	0.05	1	9.8855	11.28783
400CP 300CP	6.11	0.33613	18.17723	6.63855E-14	0.05	1	5.40883	6.81117
500CP 25CP	34.60667	0.33613	102.9547	9.82648E-29	0.05	1	33.9055	35.30783
500CP 50CP	29.67667	0.33613	88.28797	2.11485E-27	0.05	1	28.9755	30.37783
500CP 100CP	22.92667	0.33613	68.20674	3.6357E-25	0.05	1	22.2255	23.62783
500CP	17.55333	0.33613	52.2211	7.38509E-	0.05	1	16.85217	18.2545

200CP				23				
500CP 300CP	13.07667	0.33613	38.90303	2.5228E-20	0.05	1	12.3755	13.77783
500CP 400CP	6.96667	0.33613	20.72581	5.46222E-15	0.05	1	6.2655	7.66783
600CP 25CP	39.08	0.33613	116.26285	8.65815E-30	0.05	1	38.37883	39.78117
600CP 50CP	34.15	0.33613	101.59612	1.28128E-28	0.05	1	33.44883	34.85117
600CP 100CP	27.4	0.33613	81.51489	1.04012E-26	0.05	1	26.69883	28.10117
600CP 200CP	22.02667	0.33613	65.52925	8.07365E-25	0.05	1	21.3255	22.72783
600CP 300CP	17.55	0.33613	52.21118	7.41301E-23	0.05	1	16.84883	18.25117
600CP 400CP	11.44	0.33613	34.03396	3.52265E-19	0.05	1	10.73883	12.14117
600CP 500CP	4.47333	0.33613	13.30815	2.13948E-11	0.05	1	3.77217	5.1745
800CP 25CP	45.93	0.33613	136.64157	3.42817E-31	0.05	1	45.22883	46.63117
800CP 50CP	41	0.33613	121.97484	3.31943E-30	0.05	1	40.29883	41.70117
800CP 100CP	34.25	0.33613	101.89362	1.20859E-28	0.05	1	33.54883	34.95117
800CP 200CP	28.87667	0.33613	85.90797	3.64896E-27	0.05	1	28.1755	29.57783
800CP 300CP	24.4	0.33613	72.58991	1.05072E-25	0.05	1	23.69883	25.10117
800CP 400CP	18.29	0.33613	54.41268	3.2627E-23	0.05	1	17.58883	18.99117
800CP 500CP	11.32333	0.33613	33.68687	4.30977E-19	0.05	1	10.62217	12.0245
800CP 600CP	6.85	0.33613	20.37872	7.54621E-15	0.05	1	6.14883	7.55117
1000CP 25CP	50.43667	0.33613	150.04889	5.2723E-32	0.05	1	49.7355	51.13783
1000CP 50CP	45.50667	0.33613	135.38216	4.12557E-31	0.05	1	44.8055	46.20783
1000CP 100CP	38.75667	0.33613	115.30093	1.02221E-29	0.05	1	38.0555	39.45783
1000CP 200CP	33.38333	0.33613	99.31529	2.0166E-28	0.05	1	32.68217	34.0845
1000CP 300CP	28.90667	0.33613	85.99722	3.57412E-27	0.05	1	28.2055	29.60783
1000CP 400CP	22.79667	0.33613	67.81999	4.07187E-25	0.05	1	22.0955	23.49783
1000CP 500CP	15.83	0.33613	47.09419	5.74354E-22	0.05	1	15.12883	16.53117

1000CP 600CP	11.35667	0.33613	33.78604	4.06762E-19	0.05	1	10.6555	12.05783
1000CP 800CP	4.50667	0.33613	13.40732	1.87082E-11	0.05	1	3.8055	5.20783

*25CP- 25 mg/L, 50CP- 50 mg/L, 100CP-100 mg/L, 200CP- 200 mg/L, 300CP- 300 mg/L, 400CP- 400 mg/L, 500CP- 500 mg/L, 600CP- 600 mg/L, 800CP- 800 mg/L, 1000CP-1000 mg/L

3. c) Comparison among different concentrations of crude and column purified rhamnolipid

	MeanDiff	SEM	t Value	Prob	Alpha	Sig	LCL	UCL
50CR 25CR	3.26	0.31082	10.48827	4.7974E-13	0.05	1	2.6318	3.8882
100CR 25CR	7.27	0.31082	23.3895	6.02802E-25	0.05	1	6.6418	7.8982
100CR 50CR	4.01	0.31082	12.90122	7.72272E-16	0.05	1	3.3818	4.6382
200CR 25CR	14.18	0.31082	45.62078	4.08562E-36	0.05	1	13.5518	14.8082
200CR 50CR	10.92	0.31082	35.1325	1.09778E-31	0.05	1	10.2918	11.5482
200CR 100CR	6.91	0.31082	22.23128	3.98921E-24	0.05	1	6.2818	7.5382
300CR 25CR	21.53	0.31082	69.26766	2.79952E-43	0.05	1	20.9018	22.1582
300CR 50CR	18.27	0.31082	58.77938	1.87215E-40	0.05	1	17.6418	18.8982
300CR 100CR	14.26	0.31082	45.87816	3.27576E-36	0.05	1	13.6318	14.8882
300CR 200CR	7.35	0.31082	23.64688	4.00475E-25	0.05	1	6.7218	7.9782
400CR 25CR	27.13667	0.31082	87.30577	2.83198E-47	0.05	1	26.50847	27.76486
400CR 50CR	23.87667	0.31082	76.8175	4.60054E-45	0.05	1	23.24847	24.50486
400CR 100CR	19.86667	0.31082	63.91628	6.78819E-42	0.05	1	19.23847	20.49486
400CR 200CR	12.95667	0.31082	41.68499	1.40304E-34	0.05	1	12.32847	13.58486
400CR 300CR	5.60667	0.31082	18.03812	8.10144E-21	0.05	1	4.97847	6.23486
500CR	31.65	0.31082	101.82635	6.17527E-	0.05	1	31.0218	32.2782

25CR				50				
500CR 50CR	28.39	0.31082	91.33807	4.69277E-48	0.05	1	27.7618	29.0182
500CR 100CR	24.38	0.31082	78.43685	2.00769E-45	0.05	1	23.7518	25.0082
500CR 200CR	17.47	0.31082	56.20557	1.09934E-39	0.05	1	16.8418	18.0982
500CR 300CR	10.12	0.31082	32.55869	2.08252E-30	0.05	1	9.4918	10.7482
500CR 400CR	4.51333	0.31082	14.52058	1.53812E-17	0.05	1	3.88514	5.14153
600CR 25CR	36.4	0.31082	117.10835	2.33858E-52	0.05	1	35.7718	37.0282
600CR 50CR	33.14	0.31082	106.62007	9.86736E-51	0.05	1	32.5118	33.7682
600CR 100CR	29.13	0.31082	93.71885	1.68414E-48	0.05	1	28.5018	29.7582
600CR 200CR	22.22	0.31082	71.48757	8.00412E-44	0.05	1	21.5918	22.8482
600CR 300CR	14.87	0.31082	47.84069	6.31453E-37	0.05	1	14.2418	15.4982
600CR 400CR	9.26333	0.31082	29.80257	6.24716E-29	0.05	1	8.63514	9.89153
600CR 500CR	4.75	0.31082	15.282	2.7013E-18	0.05	1	4.1218	5.3782
800CR 25CR	42.75	0.31082	137.53796	3.81553E-55	0.05	1	42.1218	43.3782
800CR 50CR	39.49	0.31082	127.04969	9.05426E-54	0.05	1	38.8618	40.1182
800CR 100CR	35.48	0.31082	114.14846	6.49348E-52	0.05	1	34.8518	36.1082
800CR 200CR	28.57	0.31082	91.91718	3.64859E-48	0.05	1	27.9418	29.1982
800CR 300CR	21.22	0.31082	68.2703	4.97728E-43	0.05	1	20.5918	21.8482
800CR 400CR	15.61333	0.31082	50.23219	9.25686E-38	0.05	1	14.98514	16.24153
800CR 500CR	11.1	0.31082	35.71161	5.82188E-32	0.05	1	10.4718	11.7282
800CR 600CR	6.35	0.31082	20.42962	8.97301E-23	0.05	1	5.7218	6.9782
1000CR 25CR	49.5	0.31082	159.25448	1.09257E-57	0.05	1	48.8718	50.1282

1000CR 50CR	46.24	0.31082	148.76621	1.66123E- 56	0.05	1	45.6118	46.8682
1000CR 100CR	42.23	0.31082	135.86498	6.21986E- 55	0.05	1	41.6018	42.8582
1000CR 200CR	35.32	0.31082	113.6337	7.77638E- 52	0.05	1	34.6918	35.9482
1000CR 300CR	27.97	0.31082	89.98682	8.49504E- 48	0.05	1	27.3418	28.5982
1000CR 400CR	22.36333	0.31082	71.94871	6.20074E- 44	0.05	1	21.73514	22.99153
1000CR 500CR	17.85	0.31082	57.42813	4.69638E- 40	0.05	1	17.2218	18.4782
1000CR 600CR	13.1	0.31082	42.14614	9.12216E- 35	0.05	1	12.4718	13.7282
1000CR 800CR	6.75	0.31082	21.71652	9.49417E- 24	0.05	1	6.1218	7.3782
25CP 25CR	1.31	0.31082	4.21461	1.38548E- 4	0.05	1	0.6818	1.9382
25CP 50CR	-1.95	0.31082	-6.27366	1.94896E- 7	0.05	1	-2.5782	-1.3218
25CP 100CR	-5.96	0.31082	-19.17488	9.00309E- 22	0.05	1	-6.5882	-5.3318
25CP 200CR	-12.87	0.31082	-41.40617	1.82426E- 34	0.05	1	-13.4982	-12.2418
25CP 300CR	-20.22	0.31082	-65.05304	3.37544E- 42	0.05	1	-20.8482	-19.5918
25CP 400CR	- 25.82667	0.31082	-83.09116	2.02834E- 46	0.05	1	- 26.45486	- 25.19847
25CP 500CR	-30.34	0.31082	-97.61174	3.32852E- 49	0.05	1	-30.9682	-29.7118
25CP 600CR	-35.09	0.31082	- 112.89373	1.00914E- 51	0.05	1	-35.7182	-34.4618
25CP 800CR	-41.44	0.31082	- 133.32335	1.32199E- 54	0.05	1	-42.0682	-40.8118
25CP 1000CR	-48.19	0.31082	- 155.03987	3.19021E- 57	0.05	1	-48.8182	-47.5618
50CP 25CR	6.24	0.31082	20.07572	1.6989E- 22	0.05	1	5.6118	6.8682
50CP 50CR	2.98	0.31082	9.58744	6.41657E- 12	0.05	1	2.3518	3.6082
50CP 100CR	-1.03	0.31082	-3.31378	0.00196	0.05	1	-1.6582	-0.4018
50CP	-7.94	0.31082	-25.54506	2.20107E-	0.05	1	-8.5682	-7.3118

200CR				26				
50CP 300CR	-15.29	0.31082	-49.19194	2.11035E-37	0.05	1	-15.9182	-14.6618
50CP 400CR	-20.89667	0.31082	-67.23006	9.15173E-43	0.05	1	-21.52486	-20.26847
50CP 500CR	-25.41	0.31082	-81.75063	3.87359E-46	0.05	1	-26.0382	-24.7818
50CP 600CR	-30.16	0.31082	-97.03263	4.21906E-49	0.05	1	-30.7882	-29.5318
50CP 800CR	-36.51	0.31082	-117.46224	2.07334E-52	0.05	1	-37.1382	-35.8818
50CP 1000CR	-43.26	0.31082	-139.17876	2.37625E-55	0.05	1	-43.8882	-42.6318
50CP 25CP	4.93	0.31082	15.8611	7.49571E-19	0.05	1	4.3018	5.5582
100CP 25CR	12.99	0.31082	41.79224	1.26886E-34	0.05	1	12.3618	13.6182
100CP 50CR	9.73	0.31082	31.30396	9.46523E-30	0.05	1	9.1018	10.3582
100CP 100CR	5.72	0.31082	18.40274	3.95743E-21	0.05	1	5.0918	6.3482
100CP 200CR	-1.19	0.31082	-3.82854	4.43976E-4	0.05	1	-1.8182	-0.5618
100CP 300CR	-8.54	0.31082	-27.47542	1.39249E-27	0.05	1	-9.1682	-7.9118
100CP 400CR	-14.14667	0.31082	-45.51354	4.48115E-36	0.05	1	-14.77486	-13.51847
100CP 500CR	-18.66	0.31082	-60.03411	8.1172E-41	0.05	1	-19.2882	-18.0318
100CP 600CR	-23.41	0.31082	-75.31611	1.00796E-44	0.05	1	-24.0382	-22.7818
100CP 800CR	-29.76	0.31082	-95.74572	7.18165E-49	0.05	1	-30.3882	-29.1318
100CP 1000CR	-36.51	0.31082	-117.46224	2.07334E-52	0.05	1	-37.1382	-35.8818
100CP 25CP	11.68	0.31082	37.57762	8.04008E-33	0.05	1	11.0518	12.3082
100CP 50CP	6.75	0.31082	21.71652	9.49417E-24	0.05	1	6.1218	7.3782
200CP 25CR	18.36333	0.31082	59.07966	1.53038E-40	0.05	1	17.73514	18.99153
200CP 50CR	15.10333	0.31082	48.59138	3.42233E-37	0.05	1	14.47514	15.73153

200CP 100CR	11.09333	0.31082	35.69016	5.95923E-32	0.05	1	10.46514	11.72153
200CP 200CR	4.18333	0.31082	13.45888	1.9367E-16	0.05	1	3.55514	4.81153
200CP 300CR	-3.16667	0.31082	-10.188	1.1256E-12	0.05	1	-3.79486	-2.53847
200CP 400CR	-8.77333	0.31082	-28.22611	4.9882E-28	0.05	1	-9.40153	-8.14514
200CP 500CR	- 13.28667	0.31082	-42.74669	5.24218E-35	0.05	1	- 13.91486	- 12.65847
200CP 600CR	- 18.03667	0.31082	-58.02869	3.11259E-40	0.05	1	- 18.66486	- 17.40847
200CP 800CR	- 24.38667	0.31082	-78.4583	1.98599E-45	0.05	1	- 25.01486	- 23.75847
200CP 1000CR	- 31.13667	0.31082	- 100.17482	1.18493E-49	0.05	1	- 31.76486	- 30.50847
200CP 25CP	17.05333	0.31082	54.86505	2.85274E-39	0.05	1	16.42514	17.68153
200CP 50CP	12.12333	0.31082	39.00394	1.88306E-33	0.05	1	11.49514	12.75153
200CP 100CP	5.37333	0.31082	17.28742	3.67298E-20	0.05	1	4.74514	6.00153
300CP 25CR	22.84	0.31082	73.48227	2.68353E-44	0.05	1	22.2118	23.4682
300CP 50CR	19.58	0.31082	62.99399	1.20738E-41	0.05	1	18.9518	20.2082
300CP 100CR	15.57	0.31082	50.09277	1.03278E-37	0.05	1	14.9418	16.1982
300CP 200CR	8.66	0.31082	27.86149	8.18733E-28	0.05	1	8.0318	9.2882
300CP 300CR	1.31	0.31082	4.21461	1.38548E-4	0.05	1	0.6818	1.9382
300CP 400CR	-4.29667	0.31082	-13.8235	7.9971E-17	0.05	1	-4.92486	-3.66847
300CP 500CR	-8.81	0.31082	-28.34408	4.25461E-28	0.05	1	-9.4382	-8.1818
300CP 600CR	-13.56	0.31082	-43.62608	2.36051E-35	0.05	1	-14.1882	-12.9318
300CP 800CR	-19.91	0.31082	-64.05569	6.2267E-42	0.05	1	-20.5382	-19.2818
300CP 1000CR	-26.66	0.31082	-85.77221	5.73316E-47	0.05	1	-27.2882	-26.0318
300CP	21.53	0.31082	69.26766	2.79952E-	0.05	1	20.9018	22.1582

25CP				43				
300CP 50CP	16.6	0.31082	53.40655	8.26388E-39	0.05	1	15.9718	17.2282
300CP 100CP	9.85	0.31082	31.69003	5.90541E-30	0.05	1	9.2218	10.4782
300CP 200CP	4.47667	0.31082	14.40261	2.02527E-17	0.05	1	3.84847	5.10486
400CP 25CR	28.95	0.31082	93.13974	2.15573E-48	0.05	1	28.3218	29.5782
400CP 50CR	25.69	0.31082	82.65147	2.50497E-46	0.05	1	25.0618	26.3182
400CP 100CR	21.68	0.31082	69.75025	2.12534E-43	0.05	1	21.0518	22.3082
400CP 200CR	14.77	0.31082	47.51896	8.23354E-37	0.05	1	14.1418	15.3982
400CP 300CR	7.42	0.31082	23.87209	2.80898E-25	0.05	1	6.7918	8.0482
400CP 400CR	1.81333	0.31082	5.83397	8.09006E-7	0.05	1	1.18514	2.44153
400CP 500CR	-2.7	0.31082	-8.68661	9.50632E-11	0.05	1	-3.3282	-2.0718
400CP 600CR	-7.45	0.31082	-23.9686	2.41504E-25	0.05	1	-8.0782	-6.8218
400CP 800CR	-13.8	0.31082	-44.39822	1.18642E-35	0.05	1	-14.4282	-13.1718
400CP 1000CR	-20.55	0.31082	-66.11474	1.77667E-42	0.05	1	-21.1782	-19.9218
400CP 25CP	27.64	0.31082	88.92513	1.36262E-47	0.05	1	27.0118	28.2682
400CP 50CP	22.71	0.31082	73.06403	3.36636E-44	0.05	1	22.0818	23.3382
400CP 100CP	15.96	0.31082	51.34751	3.8962E-38	0.05	1	15.3318	16.5882
400CP 200CP	10.58667	0.31082	34.06008	3.64798E-31	0.05	1	9.95847	11.21486
400CP 300CP	6.11	0.31082	19.65747	3.65629E-22	0.05	1	5.4818	6.7382
500CP 25CR	35.91667	0.31082	115.55334	3.98618E-52	0.05	1	35.28847	36.54486
500CP 50CR	32.65667	0.31082	105.06506	1.77254E-50	0.05	1	32.02847	33.28486
500CP 100CR	28.64667	0.31082	92.16384	3.27926E-48	0.05	1	28.01847	29.27486

500CP 200CR	21.73667	0.31082	69.93256	1.91619E-43	0.05	1	21.10847	22.36486
500CP 300CR	14.38667	0.31082	46.28568	2.31447E-36	0.05	1	13.75847	15.01486
500CP 400CR	8.78	0.31082	28.24756	4.84578E-28	0.05	1	8.1518	9.4082
500CP 500CR	4.26667	0.31082	13.72699	1.00916E-16	0.05	1	3.63847	4.89486
500CP 600CR	-0.48333	0.31082	-1.55501	0.12782	0.05	0	-1.11153	0.14486
500CP 800CR	-6.83333	0.31082	-21.98463	6.03101E-24	0.05	1	-7.46153	-6.20514
500CP 1000CR	-13.58333	0.31082	-43.70115	2.20667E-35	0.05	1	-14.21153	-12.95514
500CP 25CP	34.60667	0.31082	111.33872	1.75472E-51	0.05	1	33.97847	35.23486
500CP 50CP	29.67667	0.31082	95.47762	8.03042E-49	0.05	1	29.04847	30.30486
500CP 100CP	22.92667	0.31082	73.7611	2.30875E-44	0.05	1	22.29847	23.55486
500CP 200CP	17.55333	0.31082	56.47368	9.10888E-40	0.05	1	16.92514	18.18153
500CP 300CP	13.07667	0.31082	42.07107	9.78141E-35	0.05	1	12.44847	13.70486
500CP 400CP	6.96667	0.31082	22.41359	2.94646E-24	0.05	1	6.33847	7.59486
600CP 25CR	40.39	0.31082	129.94522	3.68294E-54	0.05	1	39.7618	41.0182
600CP 50CR	37.13	0.31082	119.45695	1.05897E-52	0.05	1	36.5018	37.7582
600CP 100CR	33.12	0.31082	106.55573	1.01078E-50	0.05	1	32.4918	33.7482
600CP 200CR	26.21	0.31082	84.32444	1.12869E-46	0.05	1	25.5818	26.8382
600CP 300CR	18.86	0.31082	60.67757	5.32297E-41	0.05	1	18.2318	19.4882
600CP 400CR	13.25333	0.31082	42.63945	5.78409E-35	0.05	1	12.62514	13.88153
600CP 500CR	8.74	0.31082	28.11887	5.76733E-28	0.05	1	8.1118	9.3682
600CP 600CR	3.99	0.31082	12.83688	9.08091E-16	0.05	1	3.3618	4.6182
600CP	-2.36	0.31082	-7.59274	2.84121E-	0.05	1	-2.9882	-1.7318

800CR				9				
600CP 1000CR	-9.11	0.31082	-29.30926	1.18371E- 28	0.05	1	-9.7382	-8.4818
600CP 25CP	39.08	0.31082	125.73061	1.3733E- 53	0.05	1	38.4518	39.7082
600CP 50CP	34.15	0.31082	109.86951	2.9805E- 51	0.05	1	33.5218	34.7782
600CP 100CP	27.4	0.31082	88.15299	1.92818E- 47	0.05	1	26.7718	28.0282
600CP 200CP	22.02667	0.31082	70.86556	1.13235E- 43	0.05	1	21.39847	22.65486
600CP 300CP	17.55	0.31082	56.46295	9.1775E- 40	0.05	1	16.9218	18.1782
600CP 400CP	11.44	0.31082	36.80548	1.8032E- 32	0.05	1	10.8118	12.0682
600CP 500CP	4.47333	0.31082	14.39189	2.07672E- 17	0.05	1	3.84514	5.10153
800CP 25CR	47.24	0.31082	151.98347	7.06733E- 57	0.05	1	46.6118	47.8682
800CP 50CR	43.98	0.31082	141.49519	1.22919E- 55	0.05	1	43.3518	44.6082
800CP 100CR	39.97	0.31082	128.59397	5.59001E- 54	0.05	1	39.3418	40.5982
800CP 200CR	33.06	0.31082	106.36269	1.08656E- 50	0.05	1	32.4318	33.6882
800CP 300CR	25.71	0.31082	82.71581	2.42862E- 46	0.05	1	25.0818	26.3382
800CP 400CR	20.10333	0.31082	64.6777	4.24559E- 42	0.05	1	19.47514	20.73153
800CP 500CR	15.59	0.31082	50.15712	9.81859E- 38	0.05	1	14.9618	16.2182
800CP 600CR	10.84	0.31082	34.87512	1.45985E- 31	0.05	1	10.2118	11.4682
800CP 800CR	4.49	0.31082	14.44551	1.83212E- 17	0.05	1	3.8618	5.1182
800CP 1000CR	-2.26	0.31082	-7.27101	7.88736E- 9	0.05	1	-2.8882	-1.6318
800CP 25CP	45.93	0.31082	147.76885	2.1733E- 56	0.05	1	45.3018	46.5582
800CP 50CP	41	0.31082	131.90775	2.02446E- 54	0.05	1	40.3718	41.6282
800CP 100CP	34.25	0.31082	110.19123	2.65245E- 51	0.05	1	33.6218	34.8782

800CP 200CP	28.87667	0.31082	92.90381	2.38487E-48	0.05	1	28.24847	29.50486
800CP 300CP	24.4	0.31082	78.5012	1.9433E-45	0.05	1	23.7718	25.0282
800CP 400CP	18.29	0.31082	58.84373	1.79286E-40	0.05	1	17.6618	18.9182
800CP 500CP	11.32333	0.31082	36.43013	2.68585E-32	0.05	1	10.69514	11.95153
800CP 600CP	6.85	0.31082	22.03825	5.5109E-24	0.05	1	6.2218	7.4782
1000CP 25CR	51.74667	0.31082	166.4826	1.85434E-58	0.05	1	51.11847	52.37486
1000CP 50CR	48.48667	0.31082	155.99432	2.49652E-57	0.05	1	47.85847	49.11486
1000CP 100CR	44.47667	0.31082	143.0931	7.84963E-56	0.05	1	43.84847	45.10486
1000CP 200CR	37.56667	0.31082	120.86182	6.64153E-53	0.05	1	36.93847	38.19486
1000CP 300CR	30.21667	0.31082	97.21494	3.91503E-49	0.05	1	29.58847	30.84486
1000CP 400CR	24.61	0.31082	79.17682	1.38222E-45	0.05	1	23.9818	25.2382
1000CP 500CR	20.09667	0.31082	64.65625	4.30177E-42	0.05	1	19.46847	20.72486
1000CP 600CR	15.34667	0.31082	49.37425	1.82433E-37	0.05	1	14.71847	15.97486
1000CP 800CR	8.99667	0.31082	28.94464	1.91055E-28	0.05	1	8.36847	9.62486
1000CP 1000CR	2.24667	0.31082	7.22812	9.04325E-9	0.05	1	1.61847	2.87486
1000CP 25CP	50.43667	0.31082	162.26798	5.16612E-58	0.05	1	49.80847	51.06486
1000CP 50CP	45.50667	0.31082	146.40688	3.14588E-56	0.05	1	44.87847	46.13486
1000CP 100CP	38.75667	0.31082	124.69036	1.91325E-53	0.05	1	38.12847	39.38486
1000CP 200CP	33.38333	0.31082	107.40294	7.37085E-51	0.05	1	32.75514	34.01153
1000CP 300CP	28.90667	0.31082	93.00033	2.28825E-48	0.05	1	28.27847	29.53486
1000CP 400CP	22.79667	0.31082	73.34285	2.89376E-44	0.05	1	22.16847	23.42486
1000CP	15.83	0.31082	50.92926	5.37822E-	0.05	1	15.2018	16.4582

500CP				38				
1000CP 600CP	11.35667	0.31082	36.53737	2.39591E-32	0.05	1	10.72847	11.98486
1000CP 800CP	4.50667	0.31082	14.49913	1.61684E-17	0.05	1	3.87847	5.13486

*25CR- 25 mg/L, 50CR- 50 mg/L, 100CR-100 mg/L, 200CR- 200 mg/L, 300CR- 300 mg/L, 400CR- 400 mg/L, 500CR- 500 mg/L, 600CR- 600 mg/L, 800CR- 800 mg/L, 1000CR-1000 mg/L

25CP- 25 mg/L, 50CP- 50 mg/L, 100CP-100 mg/L, 200CP- 200 mg/L, 300CP- 300 mg/L, 400CP- 400 mg/L, 500CP- 500 mg/L, 600CP- 600 mg/L, 800CP- 800 mg/L, 1000CP-1000 mg/L

4. Comparison among IC₅₀ values of crude and column purified rhamnolipid against spores of *C. cassiicola*

	MeanDiff	SEM	t Value	Prob	Alpha	Sig	LCL	UCL
CP CR	-63.3737	1.246	- 50.86182	8.94263E-7	0.05	1	- 66.83302	- 59.91438

*CR- crude, CP- column purified

5. Comparison of different concentrations of rhamnolipid samples with positive control and bavistin against king chilli seeds infected with *C. cassiicola*

5.a) Comparison among the shoot lengths

	MeanDiff	SEM	t Value	Prob	Alpha	Sig	LCL	UCL
50 0	0.44667	0.03399	13.13978	2.89413E-9	0.05	1	0.37376	0.51958
100 0	0.60667	0.03399	17.84657	5.00769E-11	0.05	1	0.53376	0.67958
100 50	0.16	0.03399	4.70679	3.36839E-4	0.05	1	0.08709	0.23291
250 0	0.83667	0.03399	24.61257	6.34896E-13	0.05	1	0.76376	0.90958
250 50	0.39	0.03399	11.47279	1.6614E-8	0.05	1	0.31709	0.46291
250 100	0.23	0.03399	6.76601	9.08139E-6	0.05	1	0.15709	0.30291
500 0	1.23667	0.03399	36.37954	2.89755E-15	0.05	1	1.16376	1.30958
500 50	0.79	0.03399	23.23976	1.39263E-12	0.05	1	0.71709	0.86291
500 100	0.63	0.03399	18.53297	3.01239E-11	0.05	1	0.55709	0.70291
500 250	0.4	0.03399	11.76697	1.20257E-8	0.05	1	0.32709	0.47291
750 0	1.22667	0.03399	36.08537	3.24271E-	0.05	1	1.15376	1.29958

				15				
750 50	0.78	0.03399	22.94559	1.65742E-12	0.05	1	0.70709	0.85291
750 100	0.62	0.03399	18.2388	3.73738E-11	0.05	1	0.54709	0.69291
750 250	0.39	0.03399	11.47279	1.6614E-8	0.05	1	0.31709	0.46291
750 500	-0.01	0.03399	-0.29417	0.77294	0.05	0	-0.08291	0.06291
bav 0	1.22667	0.03399	36.08537	3.24271E-15	0.05	1	1.15376	1.29958
bav 50	0.78	0.03399	22.94559	1.65742E-12	0.05	1	0.70709	0.85291
bav 100	0.62	0.03399	18.2388	3.73738E-11	0.05	1	0.54709	0.69291
bav 250	0.39	0.03399	11.47279	1.6614E-8	0.05	1	0.31709	0.46291
bav 500	-0.01	0.03399	-0.29417	0.77294	0.05	0	-0.08291	0.06291
bav 750	0	0.03399	0	1	0.05	0	-0.07291	0.07291

*0- Positive Control, 50- 50 mg/L, 100-100 mg/L, 250- 250 mg/L, 500- 500 mg/L, 750- 750 mg/L, bav- bavistin

5.b) Comparison among the root lengths

	MeanDiff	SEM	t Value	Prob	Alpha	Sig	LCL	UCL
50 0	0.12667	0.03232	3.9194	0.00154	0.05	1	0.05735	0.19598
100 0	0.25667	0.03232	7.94194	1.49048E-6	0.05	1	0.18735	0.32598
100 50	0.13	0.03232	4.02254	0.00126	0.05	1	0.06069	0.19931
250 0	0.47333	0.03232	14.64618	6.97672E-10	0.05	1	0.40402	0.54265
250 50	0.34667	0.03232	10.72678	3.89112E-8	0.05	1	0.27735	0.41598
250 100	0.21667	0.03232	6.70424	1.0036E-5	0.05	1	0.14735	0.28598
500 0	0.63667	0.03232	19.70015	1.31959E-11	0.05	1	0.56735	0.70598
500 50	0.51	0.03232	15.78075	2.59613E-10	0.05	1	0.44069	0.57931
500 100	0.38	0.03232	11.7582	1.21409E-8	0.05	1	0.31069	0.44931
500 250	0.16333	0.03232	5.05396	1.76024E-4	0.05	1	0.09402	0.23265
750 0	0.69333	0.03232	21.45356	4.14594E-	0.05	1	0.62402	0.76265

				12				
750 50	0.56667	0.03232	17.53416	6.34893E-11	0.05	1	0.49735	0.63598
750 100	0.43667	0.03232	13.51162	2.01133E-9	0.05	1	0.36735	0.50598
750 250	0.22	0.03232	6.80738	8.49576E-6	0.05	1	0.15069	0.28931
750 500	0.05667	0.03232	1.75342	0.10139	0.05	0	- 0.01265	0.12598
bav 0	0.66	0.03232	20.42214	8.10019E-12	0.05	1	0.59069	0.72931
bav 50	0.53333	0.03232	16.50274	1.43003E-10	0.05	1	0.46402	0.60265
bav 100	0.40333	0.03232	12.4802	5.64338E-9	0.05	1	0.33402	0.47265
bav 250	0.18667	0.03232	5.77596	4.80088E-5	0.05	1	0.11735	0.25598
bav 500	0.02333	0.03232	0.72199	0.48218	0.05	0	- 0.04598	0.09265
bav 750	-0.03333	0.03232	-1.03142	0.31983	0.05	0	- 0.10265	0.03598

*0- Positive Control, 50- 50 mg/L, 100-100 mg/L, 250- 250 mg/L, 500- 500 mg/L, 750- 750 mg/L, bav- bavistin

6. Comparison of different concentrations of rhamnolipid samples with positive control and bavistin during pot trial experiment against pathogen infected king chilli plants

6.a) During curative treatment

	MeanDiff	SEM	t Value	Prob	Alpha	Sig	LCL	UCL
C50 Con	-2.66667	1.21106	-2.20193	0.05227	0.05	0	-5.36508	0.03174
C500 Con	- 10.33333	1.21106	-8.53247	6.66745E-6	0.05	1	- 13.03174	-7.63492
C500 C50	-7.66667	1.21106	-6.33054	8.56383E-5	0.05	1	- 10.36508	-4.96826
C1000 Con	-23	1.21106	- 18.99162	3.55659E-9	0.05	1	- 25.69841	- 20.30159
C1000 C50	- 20.33333	1.21106	-16.7897	1.17834E-8	0.05	1	- 23.03174	- 17.63492
C1000 C500	- 12.66667	1.21106	- 10.45916	1.05178E-6	0.05	1	- 15.36508	-9.96826
Bav Con	- 19.66667	1.21106	- 16.23922	1.62686E-8	0.05	1	- 22.36508	- 16.96826
Bav C50	-17	1.21106	- 14.03729	6.60239E-8	0.05	1	- 19.69841	- 14.30159
Bav C500	-9.33333	1.21106	-7.70675	1.63064E-5	0.05	1	- 12.03174	-6.63492
Bav	3.33333	1.21106	2.75241	0.02039	0.05	1	0.63492	6.03174

C1000								
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* Con- Positive Control, C50- 50 mg/L, C500- 500 mg/L, C1000- 1000 mg/L, Bav-bavistin

6.b) During preventative treatment

	MeanDiff	SEM	t Value	Prob	Alpha	Sig	LCL	UCL
P50 Con	-1	1.36626	-0.73193	0.48102	0.05	0	-4.04422	2.04422
P500 Con	-8.66667	1.36626	-6.34335	8.42361E-5	0.05	1	-11.71088	-5.62245
P500 P50	-7.66667	1.36626	-5.61143	2.24107E-4	0.05	1	-10.71088	-4.62245
P1000 Con	-20.66667	1.36626	-15.12645	3.22523E-8	0.05	1	-23.71088	-17.62245
P1000 P50	-19.66667	1.36626	-14.39453	5.19135E-8	0.05	1	-22.71088	-16.62245
P1000 P500	-12	1.36626	-8.7831	5.15014E-6	0.05	1	-15.04422	-8.95578
Bav Con	-18.33333	1.36626	-13.41863	1.01484E-7	0.05	1	-21.37755	-15.28912
Bav P50	-17.33333	1.36626	-12.6867	1.72818E-7	0.05	1	-20.37755	-14.28912
Bav P500	-9.66667	1.36626	-7.07528	3.39426E-5	0.05	1	-12.71088	-6.62245
Bav P1000	2.33333	1.36626	1.70783	0.11847	0.05	0	-0.71088	5.37755

* Con- Positive Control, P50- 50 mg/L, P500- 500 mg/L, P1000- 1000 mg/L, Bav-bavistin

6.c) Comparison between preventative and curative treatment

	MeanDiff	SEM	t Value	Prob	Alpha	Sig	LCL	UCL
C50 Con	-2.66667	1.27657	-2.08893	0.05119	0.05	0	-5.34864	0.01531
C500 Con	-10.33333	1.27657	-8.09461	2.07205E-7	0.05	1	-13.01531	-7.65136
C500 C50	-7.66667	1.27657	-6.00568	1.11397E-5	0.05	1	-10.34864	-4.98469
C1000 Con	-23	1.27657	-18.01704	5.79439E-13	0.05	1	-25.68197	-20.31803
C1000 C50	-20.33333	1.27657	-15.92811	4.70123E-12	0.05	1	-23.01531	-17.65136
C1000 C500	-12.66667	1.27657	-9.92243	1.00667E-8	0.05	1	-15.34864	-9.98469
CBav Con	-19.66667	1.27657	-15.40587	8.23919E-12	0.05	1	-22.34864	-16.98469
CBav C50	-17	1.27657	-13.31694	9.27687E-11	0.05	1	-19.68197	-14.31803
CBav	-9.33333	1.27657	-7.31126	8.6184E-7	0.05	1	-	-6.65136

C500							12.01531	
CBav C1000	3.33333	1.27657	2.61116	0.01768	0.05	1	0.65136	6.01531
P50 Con	-1	1.27657	-0.78335	0.44361	0.05	0	-3.68197	1.68197
P50 C50	1.66667	1.27657	1.30558	0.20813	0.05	0	-1.01531	4.34864
P50 C500	9.33333	1.27657	7.31126	8.6184E-7	0.05	1	6.65136	12.01531
P50 C1000	22	1.27657	17.23369	1.23709E-12	0.05	1	19.31803	24.68197
P50 CBav	18.66667	1.27657	14.62252	1.97306E-11	0.05	1	15.98469	21.34864
P500 Con	-8.66667	1.27657	-6.78903	2.33353E-6	0.05	1	-11.34864	-5.98469
P500 C50	-6	1.27657	-4.7001	1.78412E-4	0.05	1	-8.68197	-3.31803
P500 C500	1.66667	1.27657	1.30558	0.20813	0.05	0	-1.01531	4.34864
P500 C1000	14.33333	1.27657	11.22801	1.46064E-9	0.05	1	11.65136	17.01531
P500 CBav	11	1.27657	8.61684	8.376E-8	0.05	1	8.31803	13.68197
P500 P50	-7.66667	1.27657	-6.00568	1.11397E-5	0.05	1	-10.34864	-4.98469
P1000 Con	-20.66667	1.27657	-16.18922	3.57256E-12	0.05	1	-23.34864	-17.98469
P1000 C50	-18	1.27657	-14.10029	3.61193E-11	0.05	1	-20.68197	-15.31803
P1000 C500	-10.33333	1.27657	-8.09461	2.07205E-7	0.05	1	-13.01531	-7.65136
P1000 C1000	2.33333	1.27657	1.82782	0.0842	0.05	0	-0.34864	5.01531
P1000 CBav	-1	1.27657	-0.78335	0.44361	0.05	0	-3.68197	1.68197
P1000 P50	-19.66667	1.27657	-15.40587	8.23919E-12	0.05	1	-22.34864	-16.98469
P1000 P500	-12	1.27657	-9.40019	2.29362E-8	0.05	1	-14.68197	-9.31803
PBav Con	-18.33333	1.27657	-14.36141	2.66335E-11	0.05	1	-21.01531	-15.65136
PBav C50	-15.66667	1.27657	-12.27247	3.51274E-10	0.05	1	-18.34864	-12.98469
PBav C500	-8	1.27657	-6.2668	6.556E-6	0.05	1	-10.68197	-5.31803
PBav C1000	4.66667	1.27657	3.65563	0.00181	0.05	1	1.98469	7.34864
PBav CBav	1.33333	1.27657	1.04447	0.31009	0.05	0	-1.34864	4.01531

PBav P50	- 17.33333	1.27657	- 13.57806	6.7401E- 11	0.05	1	- 20.01531	- 14.65136
PBav P500	-9.66667	1.27657	-7.57238	5.31057E- 7	0.05	1	- 12.34864	-6.98469
PBav P1000	2.33333	1.27657	1.82782	0.0842	0.05	0	-0.34864	5.01531

* Con- Positive Control, C50- 50 mg/L, C500- 500 mg/L, C1000- 1000 mg/L, CBav-bavistin, Con- Positive Control, P50- 50 mg/L, P500- 500 mg/L, P1000- 1000 mg/L, PBav-bavistin

7. Comparison of different concentrations of rhamnolipid samples with positive control and bavistin against king chilli fruits infected with *C. cassiicola*

	MeanDiff	SEM	t Value	Prob	Alpha	Sig	LCL	UCL
50 0	11.33333	1.08012	10.49263	1.40116E- 8	0.05	1	9.04357	13.62309
100 0	19	1.08012	17.59058	6.85679E- 12	0.05	1	16.71024	21.28976
100 50	7.66667	1.08012	7.09795	2.52473E- 6	0.05	1	5.37691	9.95643
250 0	24.66667	1.08012	22.8369	1.22659E- 13	0.05	1	22.37691	26.95643
250 50	13.33333	1.08012	12.34427	1.36425E- 9	0.05	1	11.04357	15.62309
250 100	5.66667	1.08012	5.24631	7.99124E- 5	0.05	1	3.37691	7.95643
500 0	31.66667	1.08012	29.31764	2.46304E- 15	0.05	1	29.37691	33.95643
500 50	20.33333	1.08012	18.82501	2.42871E- 12	0.05	1	18.04357	22.62309
500 100	12.66667	1.08012	11.72705	2.86935E- 9	0.05	1	10.37691	14.95643
500 250	7	1.08012	6.48074	7.58452E- 6	0.05	1	4.71024	9.28976
750 0	45.33333	1.08012	41.97051	8.49727E- 18	0.05	1	43.04357	47.62309
750 50	34	1.08012	31.47788	8.04276E- 16	0.05	1	31.71024	36.28976
750 100	26.33333	1.08012	24.37993	4.42967E- 14	0.05	1	24.04357	28.62309
750 250	20.66667	1.08012	19.13362	1.89202E- 12	0.05	1	18.37691	22.95643
750 500	13.66667	1.08012	12.65287	9.51436E- 10	0.05	1	11.37691	15.95643
1000 0	51.66667	1.08012	47.83404	1.06512E- 18	0.05	1	49.37691	53.95643
1000 50	40.33333	1.08012	37.34141	5.41462E- 17	0.05	1	38.04357	42.62309

1000 100	32.66667	1.08012	30.24346	1.51025E- 15	0.05	1	30.37691	34.95643
1000 250	27	1.08012	24.99714	2.99808E- 14	0.05	1	24.71024	29.28976
1000 500	20	1.08012	18.5164	3.12947E- 12	0.05	1	17.71024	22.28976
1000 750	6.33333	1.08012	5.86353	2.40024E- 5	0.05	1	4.04357	8.62309
bav 0	49.33333	1.08012	45.67379	2.2198E- 18	0.05	1	47.04357	51.62309
bav 50	38	1.08012	35.18116	1.38978E- 16	0.05	1	35.71024	40.28976
bav 100	30.33333	1.08012	28.08321	4.84176E- 15	0.05	1	28.04357	32.62309
bav 250	24.66667	1.08012	22.8369	1.22659E- 13	0.05	1	22.37691	26.95643
bav 500	17.66667	1.08012	16.35616	2.07264E- 11	0.05	1	15.37691	19.95643
bav 750	4	1.08012	3.70328	0.00193	0.05	1	1.71024	6.28976
bav 1000	-2.33333	1.08012	-2.16025	0.04627	0.05	1	-4.62309	-0.04357

*0- Control, 50- 50 mg/L, 100- 100 mg/L, 250- 250 mg/L, 500- 500 mg/L, 750- 750 mg/L,
1000- 1000 mg/L, bav-bavistin