Research Article

Antibacterial, Insecticidal, Antifungal and Phytochemical Screening of *Alium sativum*, *Nigela sativa* and *Plantago ovata*

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Supplementary Table 1: *Two way anova of antibacterial activity of different fractions of A. sativum.*

Source	Type III sum of squares	df	Mean square	F	Sig.
Corrected model	24069.918[a]	9	2674.435	2.748	.035
Intercept	48589.083	1	48589.083	49.927	.000
Bacteria	567.421	3	189.140	.194	.899
Fractions	23171.075	6	3861.846	3.968	.012
Error	16544.586	17	973.211		
Total	85207.963	27			
Corrected total	40614.504	26			

Supplementary Table 2: *Two way anova of antibacterial activity of different fractions of N. sativa.*

Source	Type III sum of squares	df	Mean square	F	Sig.
Corrected model	26560.408[a]	9	2951.156	3.959	.007
Intercept	132893.771	1	132893.771	178.297	.000
Bacteria	1044.234	3	348.078	.467	.709
Fractions	26116.310	6	4352.718	5.840	.002
Error	12670.985	17	745.352		
Total	168285.353	27			
Corrected total	39231.394	26			

Supplementary Table 3: *Two way anova of antibacterial activity of different fractions of P .ovata.*

Source	Type III sum of squares	df	Mean square	F	Sig.
Corrected model	40925.261[a]	9	4547.251	9.682	.000
Intercept	25399.265	1	25399.265	54.077	.000
Bacteria	3577.895	3	1192.632	2.539	.091
Fractions	34065.907	6	5677.651	12.088	.000
Error	7984.630	17	469.684		
Total	72251.140	27			
Corrected total	48909.891	26			

Supplementary Table 4: *Two way anova of antifungal activity of different fractions of A. sativum.*

Source	Type iii sum of squares	df	mean square	f	sig.
Corrected model	12641.667[a]	8	1580.208	10.287	.000
Intercept	44807.042	1	44807.042	291.676	.000
Fungus	1798.458	3	599.486	3.902	.030
Fractions	10843.208	5	2168.642	14.117	.000
Error	2304.292	15	153.619		
Total	59753.000	24			
corrected total	14945.958	23			

Supplementary Table 5: *Two way anova of anti-fungal activity of different fractions of P. ovata.*

Source	Type III sum of squares	df	Mean square	F	Sig.
Corrected model	15889.500	8	1986.187	15.509	0.000
Intercept	7561.500	1	7561.500	59.043	0.000
Fungus	716.500	3	238.933	1.865	0.179
Fractions	15173.000	5	3034.600	23.695	0.000
Error	1921.000	15	128.067		
Total	25372.000	24			
Corrected total	17810.500	23			

Supplementary Table 6: *Two way anova of anti-fungal activity of different fractions of N. sativa.*

Source	Type iii sum of squares	df	Mean square	f	sig.
Corrected model	21610.833[a]	8	2701.354	9.314	.000
Intercept	75712.667	1	75712.667	261.048	.000
Fungus	1031.000	3	343.667	1.185	.349
Fractions	20579.833	5	4115.967	14.191	.000
Error	4350.500	15	290.033		
Total	101674.000	24			
Corrected total	25961.333	23			

Supplementary Table 7: *Chi-square tests of different fractions of A. sativum.*

	Value	df	Asymp. sig. (2-sided)
Pearson chi-square	27.989[a]	5	.000
Likelihood ratio	31.551	5	.000
Linear-by-linear association	11.629	1	.001
N of valid cases	60		

Supplementary Table 8: *Chi-square tests of different fractions of N. sativa.*

	Value	df	Asymp. sig. (2-sided)
Pearson chi-square	23.750[a]	5	.000
Likelihood ratio	25.606	5	.000
Linear-by-linear association	.562	1	.453
n of valid cases	60		

Supplementary Table 9: *Chi-square tests of different fractions of P. ovata .*

	Value	df	Asymp. sig. (2-sided)
Pearson chi-square	4.286[a]	2	.117
Likelihood ratio	4.688	2	.096
Linear-by-linear association	1.776	1	.183
n of valid cases	30		