Table (17): Lethal concentration toxicity (LC_n) of seven days after treatment with acetone extract of *Lantana camara.*

Days	Slope	SE	Intercept	SE	LC_{50}	LC_{90}
1	0.210	0.026	-1.698	0.070	8.07	14.16
2	0.247	0.022	-1.258	0.055	5.07	10.25
3	0.280	0.020	-1.013	0.50	3.61	8.19
4	0.350	0.020	-0.811	0.048	2.31	5.97
5	0.467	0.022	-0.681	0.47	1.45	4.19
6	0.639	0.028	-0.637	0.049	0.99	2.99
7	0.960	0.040	-0.546	0.053	0.56	1.90

4.2.2.4. Ethanol extract:

Lethal concentration toxicity of seven days after treatment with ethanol extract of *lantana camara* is demonstrated in Table (18).

The descending order of effectiveness of extract at different days at LC_{50} was of ethanol extract the 7^{th}, 6^{th}, 5^{th}, 4^{th}, 3^{rd}, 2^{nd} and 1^{st} day, their LC_{50} values were 0.760, 1.19, 1.65, 2.40, 3.92, 6.07 and 7.56, respectively. The corresponding LC_{90} values were 2.06, 3.52, 4.86, 6.51, 9.53, 12.43 and 13.67, respectively.

Table (18): Lethal concentration toxicity (LC_n) of seven days after treatment with ethanol extract of *Lantana camara.*

Days	Slope	SE	Intercept	SE	LC_{50}	LC_{90}
1	0.209	0.025	-1.58	0.066	7.56	13.67
2	0.201	0.022	-1.22	0.055	6.07	12.43
3	0.228	0.020	-0.894	0.049	3.92	9.53
4	0.311	0.020	-0.748	0.047	2.40	6.51
5	0.400	0.021	-0.664	0.047	1.65	4.86
6	0.549	0.024	-0.634	0.048	1.19	3.52
7	0.982	0.040	-0.747	0.055	0.760	2.06

Concerning the slope values of their toxicity data indicated that the steepest toxicity line (slope = 0.982) at the 7th day while at the 2nd day the lowest one (0.201) the rest slope values at other day ranged between 0.209 and 0.549.

4.2.2.5. Volatile oil:

Data in Table (19) show the lethal concentration toxicity of seven day after treatment with volatile oil extract of *lantana camara*.

The potency of the volatile oil during different days of treatment based on LC_{50} values may be arranged in descending order as follows: the 7th day (0.59), the 6th day (1.01), the 5th day

(1.47), the 4th day (2.07), the 3rd day (3.10), the 2nd day (4.52) and 1st day (6.40). The corresponding LC_{90} values were 1.92, 2.97, 4.66, 6.02, 7.37, 9.49and 11.76, respectively.

Taking the slope of toxicity line into our consideration data showed that the volatile oil at the 7th day possessed the highest slope value (0.961). On contrary the extract at the 1st day recorded the lowest slope value (0.239), the other extract values of slope at other days come between these two forementioned values.

The obtained results are in agreement with those of **Bouda *et al.* (2001)** who mentioned that *Lantana camara* leaves essential oil extract is effective as insecticide (LD_{50} = 0.16%). Also, with those of **Rajesh and Verma (2006)** who studied the phytochemical and termiticidal effects of *L. camara* leaves extracts. They determined the LD_{50} values and found that 5% chloroform extract exhibited excellent termit mortality.

Comparison between lethal concentration toxicity of different extract of *Lantana camara* :

Lantana camara lethal concentration results of the different extracts and the volatile oil indicate that the lowest LC_{50} were 0.56 for acetone extract followed by 0.59 for the volatile oil .

These results were recorded at t he 7th day of treatment the highest values of LC_{50} (11.07 and 9.56) were recorded for peteroleum ether and chloroform extracts at the 1st day and 2nd day of treatment.