

# Effect of Environmental Pollution on Milk and Some Products

By  
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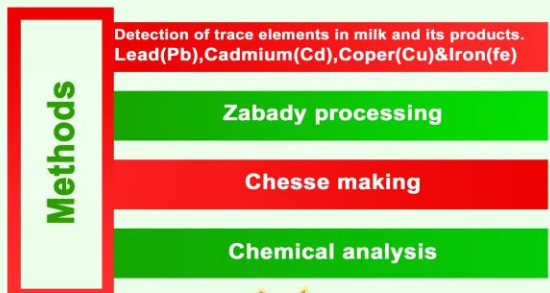
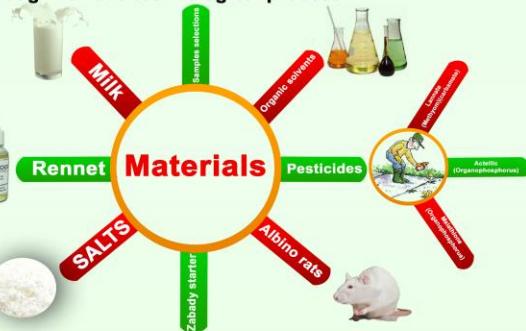
## Introduction

**chapter1**  
Milk is considered a very important food and represent a high percentage in the diet of infants < children and also adults .Therefore the presence of significant amounts of pesticides residues represent serious problem (fouzy 1991).

**chapter2**  
Milk contains more than twenty diferent trace elements (Antila and antila 1971) . The amount of trace elements in uncontaminated milk is admitted by minute , but the content of trace elements and especially that of iron or copper and lead may be significantly altered through handling of the milk or through various technological process.

**chapter3**  
Because of the several sources for milk contamination with trace elements , some of these elements appeared to be a serious problem either for the milk or for the human consumption

**chapter4**  
It is accepted that the toxicity of these chemicals (organophorus & carbamates) to mammls and insects is mainly due to thier ability to inhibit acetylcholine estrace with consequent disruption of nervous activity caused by accumulation of acetylcholine to never endings (fakher et al ,1993)



Recent years have witnessed a marked increase in milk pollution with both pesticides and heavy metals. This pollution may be attributable to the use of large quantities of pesticides for crop production. The present environmental pollution result in milk establishes to guarantee a safe milk supply for human consumption. The literature data concerning investigation into the pollution of milk by pesticides and heavy metals and magnitude of effects of such pollutants on milk and its pesticides are scares .the present work was limited with respect to achieve the broad objectives of furthering the knowledge of occurrence of pesticides and heavy metals in buffalos' milk; gaining information concerning the pesticides residues in processed dairy products and throwing some lights on harmful effect of pesticides containing milks on health



## Summary and conclusion

## References

- 1.Abd el salamm.d ; s.1 farag;h. f. el dein ; m.b Mahfouz and h.m. el-etriby (1992).
- 2.Abdel salamm.h ; .a.a asker; L. F. Hamzawi; H. F. El-dien and A.Farrag (1992).
- 3.Abdel rahman ,N. F. A.(1994).
- 4.Abdel Shahaid , Y. A. (1984)
- 5.Abdel el gawad, I.A.;Mahfouz, M.; Ali, A. A.; Hewedi, M. and El-Gawad, I.A. Abd (1986).
- 6.Fribery, L. and Nelson, N.(1981).
- 7.Gomez, K.A. and A. A. gomez (1984).
- 8.Hassan, M. N. A.; M. M. El-abd; A. M. El-Sayed and A. S. m. Fauzy (1993)
- 9.Husain, K.; P .A. Ansari and P.K. Gupta (1987).
- 10.Johnson, D. W. (1973)
- 11.Walshe, J. M. (1964)
- 12.Zaki, nadia (1990)
- 13.Zidan, H. Z.; Fayed, E. A.; Abou Arab, A. A. and El-Mokerasy, H. S. (1994)
- 14.Zidan, Z. A.; A. E. Fayed; M. A. El-Shenawy and A. A. K. Abou Arab (1990).
- 15.Zin El-Din, M. and T.aoki (1993).

