

[Back](#)


## Health Risk Consumption Commercialised Sweet Corn

LAP Lambert Academic Publishing ( 2023-07-27 )

€ 60,90

[Buy at the MoreBooks! Shop](#)


Processed canned sweet corn cream and fresh corn are important food products used in dishes to add the flavor of food. They are used by humans on a regular basis as source of nutrition and the human body gets benefit from their consumption. Heavy metal elements can collect and become polluted in processed canned sweet corn cream and fresh corn. As a result of industrialisation, agricultural and human activities may have effect on health of individuals. Therefore, the aim of this research is to evaluate heavy metal (Cd, Cr, Cu, Pb and Zn) concentrations in corn by using Atomic Absorption Spectrometry (AAS) and to evaluate human health risk by the consumption of corn by Kelantan residents. Human health risk was evaluated using target hazard (THQ) and hazard index (HI). Besides, the estimated weekly intake (EWI) for canned sweet corn cream was found while the average of THQ for Cd, Cr, Cu, Pb and Zn was  $5.25 \times 10^{-2}$ ,  $2.90 \times 10^{-4}$ ,  $5.25 \times 10^{-2}$ ,  $2.53 \times 10^{-3}$ , and  $3.64 \times 10^{-1}$  respectively. While THQ Cd, Cu, Pb and Zn for fresh corn was  $8.75 \times 10^{-4}$ ,  $8.75 \times 10^{-4}$ ,  $2.80 \times 10^{-4}$ , and  $8.90 \times 10^{-2}$  respectively.

### Book Details:

|                  |                    |
|------------------|--------------------|
| ISBN-13:         | 978-620-6-75427-5  |
| ISBN-10:         | 6206754278         |
| EAN:             | 9786206754275      |
| Book language:   | English            |
| By (author) :    | Krishna Veni Veloo |
| Number of pages: | 108                |
| Published on:    | 2023-07-27         |
| Category:        | Chemistry          |

### The Publisher

Lambert Academic Publishing is a brand of **OmniScriptum S.R.L.**

#### Business Address:

OmniScriptum S.R.L.  
120 High Road, East Finchley  
London, N2 9ED  
United Kingdom

Str. Armeneasca 28/1, office 1  
Chisinau MD-2012  
Republic of Moldova, Europe

**Registration number:** 1018600021562

**Managing Directors:** Virtoria Ursu, Ieva Konstantinova

This imprint also applies to:

<https://www.fb.com/omniscryptum>  
<https://twitter.com/OmniScriptum>  
<https://www.instagram.com/omniscryptum.publishing>  
<https://www.linkedin.com/omniscryptum>



### Current News



### MoreBooks!

Find over 2,5 million titles in our affiliate shop, in various languages, genres and countless topics.

[🛒 Visit MOREBOOKS!](#)
