

Accepted Manuscript

Polycyclic Aromatic Hydrocarbons in diet: Concern for public health

Lochan Singh, Tripti Agarwal

PII: S0924-2244(17)30556-3

DOI: [10.1016/j.tifs.2018.07.017](https://doi.org/10.1016/j.tifs.2018.07.017)

Reference: TIFS 2278

To appear in: *Trends in Food Science & Technology*

Received Date: 29 August 2017

Revised Date: 13 July 2018

Accepted Date: 13 July 2018

Please cite this article as: Singh, L., Agarwal, T., Polycyclic Aromatic Hydrocarbons in diet: Concern for public health, *Trends in Food Science & Technology* (2018), doi: 10.1016/j.tifs.2018.07.017.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



1 Polycyclic Aromatic Hydrocarbons in diet: Concern for public health

2 Lochan Singh and Tripti Agarwal*

3 National Institute of Food Technology Entrepreneurship and Management

4 Kundli, Sonipat, Haryana-131028

5 *Corresponding author Email: tripti.niftem@gmail.com

7 **Abstract:**

8 *Background*

9 Exposure to carcinogenic compounds such as polycyclic aromatic hydrocarbons (PAHs) is
10 responsible for numerous human health problems. Diet has been found responsible for nearly 88-
11 98% exposure to PAHs in humans. Different studies have been conducted worldwide to
12 investigate the role of food processing techniques and food matrix in PAHs' formation and
13 adsorption, which has helped in establishing regulations and guidelines.

14 *Scope and Approach*

15 The present review focuses on the published research articles on concentrations and profile of
16 PAHs in Indian food products. The levels in Indian diet were compared with those reported for
17 similar food products and categories in international studies, and the associated gaps and future
18 prospects were discussed. This paper holds importance for public health especially for societies
19 having an Indian-influenced diet.

20 *Key Findings and Conclusions*

Download English Version:

<https://daneshyari.com/en/article/8428048>

Download Persian Version:

<https://daneshyari.com/article/8428048>

[Daneshyari.com](https://daneshyari.com)