



Agricultural Journals

Czech Journal of

FOOD SCIENCES

[home](#) [page](#) [about us](#) [contact](#) 

us

Table of Contents

IN PRESS

CJFS 2014

CJFS 2013

CJFS 2012

CJFS 2011

CJFS 2010

CJFS 2009

CJFS 2008

CJFS 2007

CJFS 2006

CJFS 2005

CJFS 2004

CJFS 2003

CJFS 2002

CJFS 2001

CJFS Home

Editorial Board

For Authors

- **Authors Declaration**
- **Instruction to Authors**
- **Guide for Authors**
- **Copyright Statement**
- **Submission**

For Reviewers

- **Guide for Reviewers**
- **Reviewers Login**

Subscription

Czech J. Food Sci.

**Majeed H., Jamshaid
Qazi H., Safdar**

W., Wang Z..

Microencapsulation can be a novel tool in wheat flour with micronutrients fortification: current trends and future applications – a review

Czech J. Food Sci., 31 (2013): 527-540

Wheat flour fortification can be a novel and effective food based approach to improve effective micronutrient deficiencies that affect millions of people worldwide especially in the developing countries. Wheat is an important cereal crop grown worldwide and its per capita consumption is high even in the developing countries. Being a most popular dietary food component, fortification of wheat flour with micronutrients like iron, vitamin A, folic acid, zinc, and iodine is expected to be

the most effective strategy to overcome the related deficiencies and, if mandated, could be helpful in achieving the international health goals. However, on the other hand food fortification (Direct mixing) with micronutrients might cause unwanted sensory changes and interaction with food components resulting in a lower bioavailability. Microencapsulation may be helpful to prevent unwanted sensory changes and diminish micronutrients interactions with wheat flour components. The current review will focus on the technical issues related to the fortification (Direct mixing) of wheat flour and prospects of microencapsulation technology in fortification.

Keywords:

bioavailability; folic acid; iron; sensory changes; vitamin A; zinc

[[fulltext](#)]

© 2011 [Czech Academy of Agricultural Sciences](#)

