



# 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.**

**M. Banović, J. Kirin, N.  
Ćurko, K. Kovačević**

**Galic:**

# **Influence of Vintage on Cu, Fe, Zn and Pb Content in Some Croatian Red Wines**

Czech J. Food Sci., 27 (2009): S401-  
S403

Knowledge of the content of heavy metals is important because of their impact on the wine stability or on the health of the consumers. The presence of heavy metals in wines is a consequence of an action of various factors such as conditions of the cultivation and processing of grapes and production, stabilisation or storage of wine. In this work determination of heavy metals (Cu, Fe, Zn and Pb) content in red wines was carried out. Selected wine was Plavac mali, Croatian autochthonous sort, produced by various producers during the three consecutive vintages. The aim of this work was to examine whether the wines produced in different vintage, and by various producers, vary according to the content of heavy metals. For the

determination of heavy metals content, the atomic absorption spectrometry (AAS) was used. Content of heavy metals ranged between 0.235– 1.122 mg Cu/l, 0.809– 6.202 mg Fe/l, 0.266– 2.434 mg Zn/l and 0.107– 0.3355 mg Pb/l. Data analysis showed statistically significant differences only between producers for iron and copper content.

**Keywords:**

wine; vintage; heavy metals

[ [fulltext](#) ]

---

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

XHTML11 VALID

CSS VALID