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# Research documents in Hop Research Institute Co.Ltd. Zatec, access to full texts and research data.



# Introduction – company background

**Seat: Kadanska 2525, Zatec 43846**

**CZ14864347, Tel: +420415732111, Fax: +420415732150**

**Website: [www.chizatec.cz](http://www.chizatec.cz)**

**Established: 1992 (1974, 1950, 1925)**

**Status: private, scientific organization**

**Owner: Hop growers union of the Czech Republic**

**Departments: Genetics and Breeding**

**Chemistry**

**Biotechnology**

**Plant Protection**

**Hop Cultivation**

**Employee: 54 persons (7 researchers, 10 technicians)**

**+ seasonal workers**

**Commercial fields: Steknik farm, 138 ha**

**Pilot microbrewery: 50 l**



# Introduction – company activities and financing

## Main activities:

- Research and development on hop growing, harvest and processing of hops
- Hop breeding of new cultivars and maintenance of breeding materials
- Multipropagation of hop rootstocks of Czech hop cultivars
- Ecological production and environmental safe management of hop plant protection and hop quality
- Consulting and training activities for hop growers and special public
- Hop production

GACR

TACR

GA ASCR

Ministry of Agriculture

Ministry of Industry and  
Trade

Ministry of Education,  
Youth and Sports

European Commission  
breweries

## Research support:



## Research documents

Defined types of research results (Methodology of research results evaluation)

I. Category – published results

Code	Type	CHI
$J_{\text{imp}}$	Scientific article in journal with IF	16
$J_{\text{SC, neimp}}$	Scientific article in non-IF journal	2
$J_{\text{rec}}$	Scientific article in reviewed Czech journal	13
B	Specialized book	
C	Chapter in specialized book	1
D	Article in proceedings	7



# Research documents

## Defined types of research results (Methodology of research results evaluation)

### I. Category – published results

Journal of Plant Physiology 170 (2013) 688–695

Contents lists available at SciVerse ScienceDirect

**Journal of Plant Physiology**

ELSEVIER

902 J. Agric. Food Chem. 2010, 58, 902–912  
DOI:10.1021/j19043106

Matoušek et al. BMC Plant Biology 2012, 12:27  
<http://www.biomedcentral.com/1471-2229/12/27>

BMC  
Plant Biology

RESEARCH ARTICLE

Open Access

JOURNAL OF  
AGRICULTURAL AND  
FOOD CHEMISTRY  
ARTICLE

and  
, bHLH and

BIOLOGIA PLANTARUM

BrewingScience

July / August 2012 (Vol. 65) 96

BRIEF COMMUNICATION

J. Patzak, A. Henychova, K. Krofta and V. Nesvadba

**Development and evaluation of expressed sequence tag- $\alpha$  microsatellite markers for hop genotyping**

**Study of Molecular Markers for Xanthohumol**

296 KVASNY PRUM.  
57 / 2011 (7–8)

Zjišťování autenticity českých odrůd chmele pomocí chemických a molekulárně-genetických analýz

*Investigation of Czech Hop Varieties Authenticity by Means of Chemical and Genetic Analyses*

KAREL KROFTA, JOSEF PATZAK  
Chmelařský institut s. r. o., Žatec, Kadaňská 2525, 438 46 Žatec / Hop Research Institute Co. Ltd., Saaz, Kadaňská 2525,  
438 46 Žatec, Czech Republic  
e-mail: k.krofta@telecom.cz

Czech J. Genet. Plant Breed., 48, 2012 (2): 98–99

New Varieties

**Hop Varieties Bohemie and Saaz Late**

Registered: Czech Republic, 2010 and 2011

# Research documents

Defined types of research results (Methodology of research results evaluation)

I. Category – published results **out of definition!!!**



*Seminar on Providing Access to Grey Literature 2013, 23th October 2013, Prague, NTL*

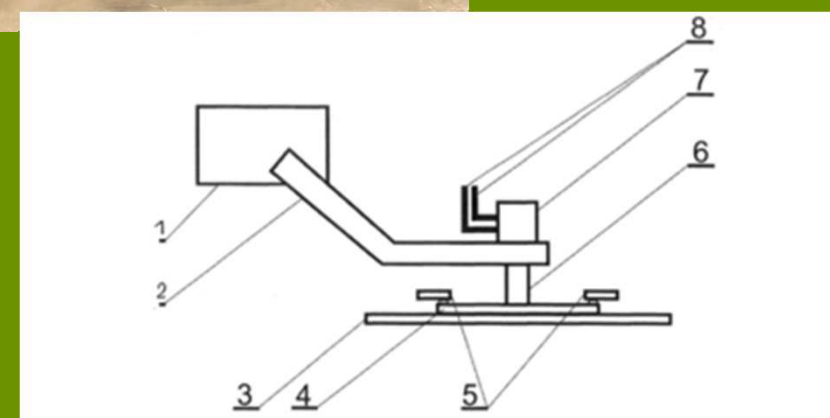
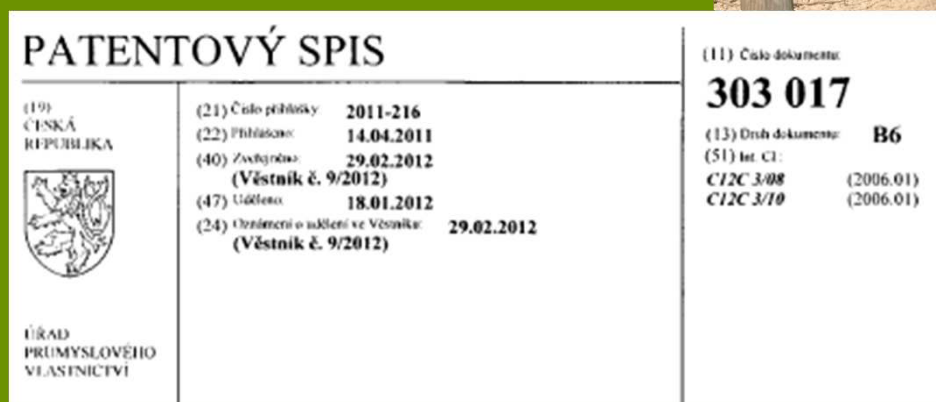
# Research documents

Defined types of research results (Methodology of research results evaluation)

## II. Category – patents

Code	Type	CHI
P	Patent	3

<http://www.upv.cz/cs/sluzby-uradu/database-on-line/database-patentu-a-uzitnych-vzoru/narodni-database.html>





# Research documents

Defined types of research results (Methodology of research results evaluation)

## III. Category – applied results

Code	Type	CHI
Z <sub>polop</sub>	Pilot plant	
Z <sub>tech</sub>	Certified technology	
Z <sub>odru</sub>	Cultivar	2
Z <sub>plem</sub>	Race	



**Saaz Late**



<http://nou.ukzuz.cz/ido/>



**Původ / Origin**  
Odrůda Saaz Late byla získána výběrem z potomstva F1 generace po křížence kombinaci naprosto čistého šlechtického materiálu, který má v původu žatecký polevový červeček.

**Selection** from progenies of F1 generation after parental combination of developed breeding material with origin in Saaz.

**Registrace / Registration:**  
2010



## Research documents


Defined types of research results (Methodology of research results evaluation)

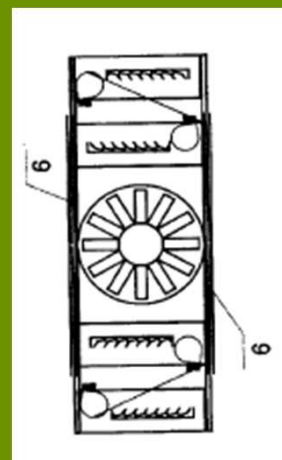
### III. Category – applied results

Code	Type	CHI
F <sub>uzit</sub>	Utility model	6
F <sub>prum</sub>	Industrial design	3
G <sub>prot</sub>	Prototype	1
G <sub>funk</sub>	Functional sample	15
H <sub>leg</sub>	Result reflected into legal standards and legislation	1

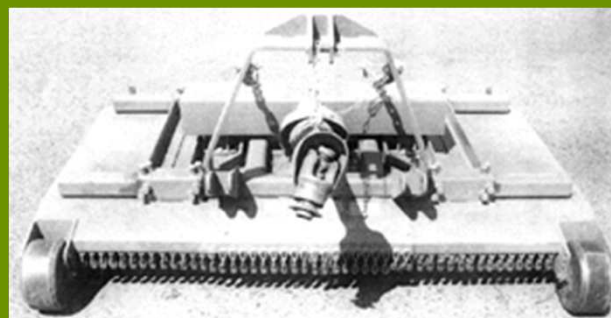
# Research documents

<http://www.upv.cz/cs/sluzby-uradu/databaze-on-line/databaze-patentu-a-uzitnych-vzoru/narodni-databaze.html>

UŽITNÝ VZOR		(11) Číslo dokumentu: <b>25678</b>
(19) ČESKÁ REPUBLIKA	(21) Číslo přihlášky: <b>2013 - 28063</b>	(13) Druh dokumentu: <b>U1</b>
	(22) Přihlášeno: <b>12.06.2013</b>	(51) Int. Cl.: <b>C12Q 1/68</b> (2006.01) <b>C12N 15/11</b> (2006.01)
	(47) Zapsáno: <b>18.07.2013</b>	
<p>pro detekci polymorfismu alel genu CMPS jsou            Primer F: 5'-AAAGCGAAAACATGAAAAGGTT-3'            Primer R: 5'-GACACATGTAAGGTGACCTTTACA-3',            pro detekci polymorfismu alel genu LAR jsou            Primer F: 5'-CCAAGAGTTACCATTACTGAAGAT-3'            Primer R: 5'-GAATGATGCCACTATACTTTCTGG-3',</p>		
ÚŘAD PRŮMYSLOVÉHO VLASTNICTVÍ		




<http://www.upv.cz/cs/sluzby-uradu/databaze-on-line/databaze-prumyslovych-vzoru/narodni-databaze.html>



## Research documents

Defined types of research results (Methodology of research results evaluation)

### III. Category – applied results

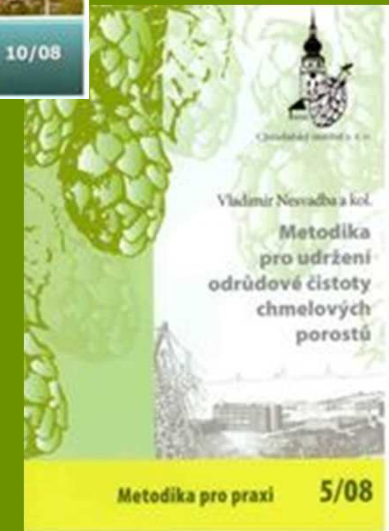
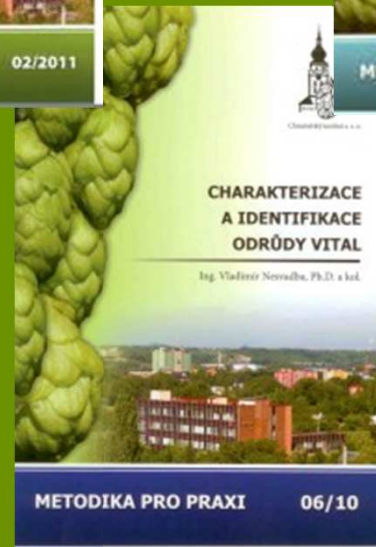
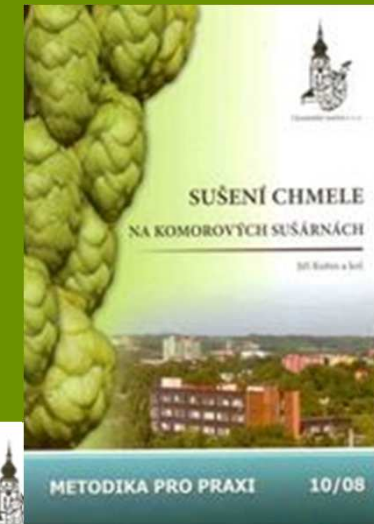
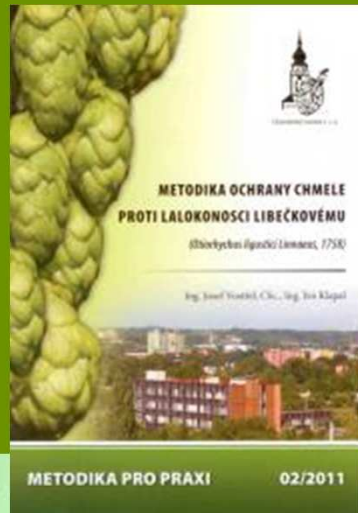
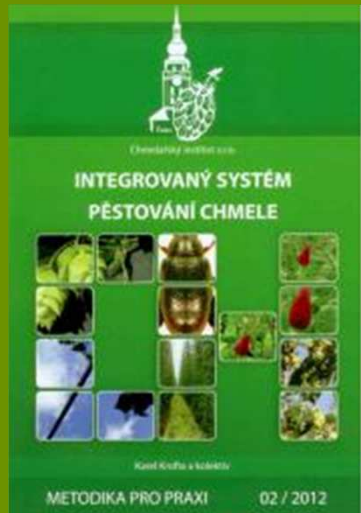
Code	Type	CHI
$N_{\text{met}}$	Certified methodology	17
$N_{\text{lec}}$	Medical procedure	
$N_{\text{pam}}$	Historic sight technique	
$N_{\text{map}}$	Specialized map	
R	Software	



# Research documents

<http://www.chizatec.cz/>

<http://invenio.nusl.cz/>



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## Research documents

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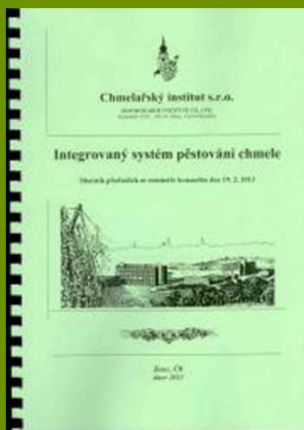
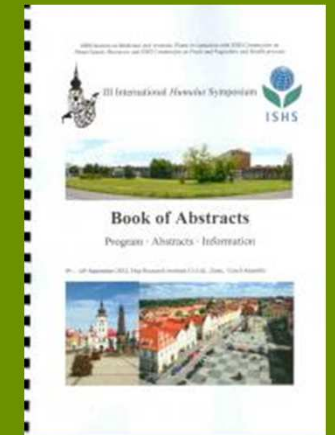
### III. Category – applied results

Code	Type	CHI
V	Research report	
A	Audio-visual production	
E	Exhibition	
M	Conference	5
W	Workshop	4
O	Other results	126

# Research documents

<http://www.chizatec.cz/>

<http://invenio.nusl.cz/>



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## Research and company documents

possible for full access are colorized (<http://invenio.nusl.cz/>)

Type	Access	Where
Project research report	Limited	Ministries and grant agencies Company library
Company research report	Limited	Company management
Travel report	Limited	Company management Company library
Meeting report	Not-access	Company management
Financial report	Limited	Financial office and trade register Company management
Presentation and poster	Limited	Author
Raw research data	Not-access	Author



Thank  
you



Pilzeňský Prazdroj, a.s.  
Součást našeho života



for your  
attention

JDEME NA PIVO



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