

Czech Journal of Food Sciences

INSTRUCTIONS FOR AUTHORS

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- (ii) **Manuscript file** including title, abstract, keywords, content/text of the article, tables and figures (see Manuscript file layout), **blinded** (follow the instructions below) (templates).
- (iii) **Figures graphs** preferably in MS Excel (editable .xls or xlsx); and images (photographs, schemas, diagrams in .jpg, .tiff, MS Excel if possible).
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Equations should be numbered using Arabic numerals (1). Each equation should be followed by a legend (where: y – refers to; x – indicates ...), explaining all variables and acronyms used, which were not explained previously. The equations should be further editable (use MathType, MS Word equations editor).

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Statistics. Describe statistical methods with enough detail to enable a knowledgeable reader to verify the reported results. Give details of randomization and blocking, as well as the number of replications, blocks, or observations. Clearly distinguish between true replications and subsamples within a replication/treatment combination. Always specify the experimental design and indicate whether the design was balanced. When means (or medians) are followed by $\pm x$, indicate whether x refers to the standard deviation, standard error, or half the confidence interval; error bars should similarly be defined. Except for simple procedures (e.g. t-tests, one-way analysis of variance, simple linear regression), cite an appropriate and accessible statistical text and indicate the version of the SW used (Name, Version). In general, statistical techniques should be described in the Materials and Methods. The level of significance should be normally indicated by using the following conventional standard abbreviations for significance (P < 0.05, P < 0.01, and P < 0.001). In tables, levels of significance should be indicated by *, **, and ***, respectively. Statistical significance P = 0.03 can be also used in the text or tables.

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- Title should be short and informative (not exceeding 100 characters, no subtitles and commonly unknown abbreviations or acronyms). No subtitles or numbering of serial articles should be used
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- iii. **Keywords** are words most aptly describing the studied problem. Five or six keywords without overlapping with the manuscript title and abstract are recommended. Write them in lower case letters and separate them using semicolons.
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- vii. **Conclusion** summarises the paper's main points and outlines its contribution to the present state of research in the field concerned.
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 text should be included in the reference list. The authors are responsible for the accuracy of
 their references. The list should not exceed 25 references (max. 2 auto-citations) (with the
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 surnames. If more than one paper by the same author(s) published in the same year is cited,
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Journal article: Author(s) (surname and abbreviation of the first name without comma) (Year): Article title. Full Journal Title, Volume number: page—page.

Šuláková M., Pazlarová J., Meyer R.L., Demnerová K. (2019): Distribution of extracellular DNA in Listeria monocytogenes biofilm. Czech Journal of Food Sciences, 37: 409–416.

Machado S.G., da Silva F.L., Bazzolli D.M.S., Heyndrickx M., de A. Costa P.M., Vanett M.C.D. (2015): *Pseudomonas* spp. and *Serratia liquefaciens* as predominant spoilers in cold raw milk. Journal of Food Science, 80: M1842–M1849.

Galindo G. (2007): Technical assistance service for dry chilli growers in Zacatecas (El servicio de asistencia técnica a los productores de chile seco en Zacatecas). Convergencia, 14: 137–165. (in Spanish)

Electronic journal article Author(s) (Year): Title of article. Name of the electronic journal, Volume number: page—page. Available at (accessed ...).

Weinert M. (2008): International Cypripedium forum. Available at http://www.cypripedium.de (accessed Dec 23, 2009).

Book: Author(s) (Year): Title of the Book. Edition volume (if relevant). Place of publisher, Publisher name: page—page.

Tamime A.Y., Robinson R.K. (2000). Yoghurt Science and Technology. 2nd Ed. Cambridge, United Kingdom, Woodhead publishing Ltd.: 367–376.

Chapter in book: Author(s) of the chapter (Year): Title of the chapter. In: editor(s): Title of the Book. Edition or volume, if relevant. Place of the Publisher, Publisher name: page—page.

Karaoglu M.M. (2015): Part-baked products. In: Siddiqui M.W., Rahman M.S. (eds): Minimally Processed Foods: Technologies for Safety, Quality, and Convenience. Switzerland, Springer International Publishing: 22–70.

Conference proceedings: Author(S) (Year): Title of publication. In: editor(s): Proceedings Name of Conference, Place, Date (a month from-to), year: page—page.

Balaguer N., Castro-Giráldez M., Fito P.J. (2013): Study of pork meat freezing process by infrared thermography. In: Proceedings Inside Food Symposium, Leuven, Belgium, April 9–12, 2013: 11–26.

Dissertation: Author(s) (Year): Title. [PhD. Thesis.] Town, Name of the university.

Sechovcová H. (2019): Sequencing and proteomics of Butyrivibrio species fibrolytic enzymes. (Sekvenování a proteomika fibrolytických enzymů u Butyrivibrií.) [Ph.D. Thesis.] Prague, University of Chemistry and Technology, Department of Biochemtistry and Microbiology. (in Czech)

Patent: Inventor(s) (Year): Name of patent. Labelled patent No.

Kaufman S.P., Langler J.E., Padhye V.W. (1990): US Patent No. 4 952 414.

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Revised: January 2024

LIST OF CHOSEN ABBREVIATIONS

The metric system is adopted as a standard. You should use the international system of units. If non-standard abbreviations must be used they should be defined in the text.

Use the fundamental quantity	1	Units of density:	
with appropriate prefix:		g cm $^{-3}$, kg m $^{-3}$, t m $^{-3}$, g L $^{-1}$, kg	L^{-1}
kilo	k		
mega	M	Units of pressure:	
giga	G	pascal	Pa
tera	Т	megapascal	MPa
milli	m		
micro	μ	Units of time:	
nano	n	second	S
pico	р	minute	min
		hour	h
Units of length:		day, week, month, year – not	abbreviated
meter	m		
kilometer	km	Units of temperature:	
centimeter	cm	Celsius	°C
millimeter	mm	Kelvin	K
micrometer	μm		
nanometer	nm	Additional physical units:	
		dalton	Da
Units of area:		hertz	Hz
square meter	m^2	joule	J
kilometer	km²	volt	V
hectare (10 000 m²)	ha	watt	W
square centimeter	cm ²		
square millimeter	mm ²	Relative units:	
		parts/million parts	ppm
Units of volume:		parts/billion parts	ppb
cubic meter	m^3	parts/trillion parts	ppt
cubic centimeter	cm ³	percentage	%
liter	L	weight	W
milliliter	mL	volume	V
microliter	μL		
		Units of electrical conductivit	y:
Units of mass:		siemens per meter	S m ⁻¹
gram	g	millisiemens per meter	mS m ⁻¹
kilogram	kg	(mS cr	m ⁻¹ ; μS cm ⁻¹)
tonne	t	ohm	Ω
milligram	mg		
microgram	μg		

Units of concentration:

mole per kilogram (liter)	mol kg ^{−1}
	(mol L ⁻¹)
millimole (micromole)	mmol kg ⁻¹
per kilogram	(μmol kg ⁻¹)
gram per kilogram	g kg ⁻¹
milligram per kilogram	mg kg ⁻¹
microgram per kilogram	$\mu \mathrm{g}\ \mathrm{kg}^{-1}$

Similar units for volume:

g $L^{-1},$ mg $L^{-1},$ mg m $L^{-1},$ μg $L^{-1},$ μg m L^{-1}

Units of irradiation:

watt per square meter $W m^{-2}$

Units of photon flux density:

mol per square meter per second

 $mol \ m^{-2} \ s^{-1}$

Units of sampling and rate:

gram per square meter	g m⁻²
gram per kilogram	$g kg^{-1}$
milligram per kilogram	mg kg ⁻¹

Forms of nutrients:	
Nitrite nitrogen	NO_2^- -N
Nitrate nitrogen	NO_3^- -N
Ammonia	NH_4^+-N
Total nitrogen	N_{tot}
Sulfur in sulfate	SO ₄ ²⁻ -S

Statistical symbols and abbreviations

analysis of variance	ANOVA	ı
coefficient of variation	CV	
degree of freedom	df	
F-distribution	F	
least significant difference	LSD	
sample size	n	
probability	P	
simple correlation coefficient		r
simple correlation of determina	ation	r^2
multiple correlation coefficient		R
multiple correlation		
of determination		R^2
variance (sample)		s ²
standard deviation (sample)		SD
standard error		SE
standard error of the difference	es	
of means		SED
standard error of mean		SEM
t-(or Student) test		t
mean		X

Revised: January 2024

TABLES AND FIGURES EXAMPLES

TABLES:

Table 1. Effects of N-limitation on biomass and lipid production in waste saline medium (WSM) in shake flask and fermenter cultures

_	<i>X</i> ₁	<i>X</i> ₂	TL ₁	TL ₂	ΔTL	PL	P _{DHA}
Strain	(g L ⁻¹)		(% w/w)			(g L ⁻¹ per day)	
S. limacinum ^a	6.5 ± 0.9	12.95 ± 0.8	46.3 ± 3.5	58.9 ± 2.9	12.7	0.79	0.38
J. marinumª	6.0 ± 1.5	11.8 ± 0.3	56.7 ± 1.3	79.1 ± 2.7	22.4	0.965	0.465
J. marinum ^b	22.3 ± 0.75	32.76 ± 0.6	58.3 ± 2.1	72.1 ± 1.9	13.8	2.98	1.43

^ashake flask cultures; ^bfermenter culture; X_1 – biomass growth before N-limitation; X_2 – biomass growth after N-limitation; TL_1 – weight fraction of total lipids in biomass before N-limitation; TL_2 – weight fraction of total lipids in biomass after N-limitation; ΔTL – difference in weight fractions of total lipids in biomass before and after N-limitation; P_L – lipid productivity; P_{DHA} – DHA productivity

Table 2. Drying experiment results of apple tissue with different treatment

	No.	Energy consumption (kJ g ⁻¹)	Drying time (h)	D_{eff} (m ² s ⁻¹ ; × 10 ⁻⁸)	Rehydration ratio
	1	377.77	6.17	$2.64 (R^2 = 0.99)$	6.84 ± 0.05 ^a
	2	424.20	6.50	$3.00 (R^2 = 0.98)$	6.67 ± 0.03 ^a
	3	387.95	6.88	2.70 (R ² = 0.97)	7.11 ± 0.06 ^a
PEF	4	380.47	6.33	$2.90 (R^2 = 0.97)$	6.43 ± 0.04 ^a
treatment	5	372.17	6.17	$2.60 (R^2 = 0.95)$	5.99 ± 0.02 ^a
treatment	6	430.82	6.33	$3.60 (R^2 = 0.96)$	5.71 ± 0.03 ^b
	7	486.23	7.21	$3.40 (R^2 = 0.98)$	5.50 ± 0.06 ^b
	8	450.42	7.18	$3.30 (R^2 = 0.93)$	5.34 ± 0.04 ^b
	9	466.82	7.01	4.20 (R ² = 0.95)	5.68 ± 0.02 ^b
Untreated sample		494.51	7.50	2.40 (R ² = 0.98)	4.14 ± 0.02°

Rehydration ratio are shown as the mean \pm standard deviation (SD), and different letters within columns indicate statistically significant differences (P < 0.05)

FIGURES:

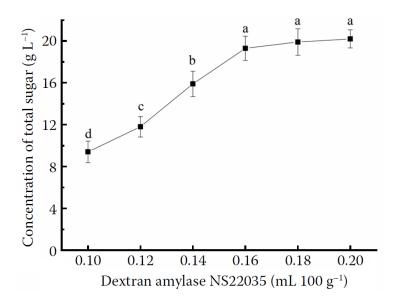


Figure 1. Effects of the amount of amylase (0.10 mL 100 g $^{-1}$ to 0.20 mL 100 g $^{-1}$) on crude starch recovery from fresh vinegar residue carried out at 150 r min $^{-1}$ and 50 °C for 72 h

Different letters mean significant difference (P < 0.05)

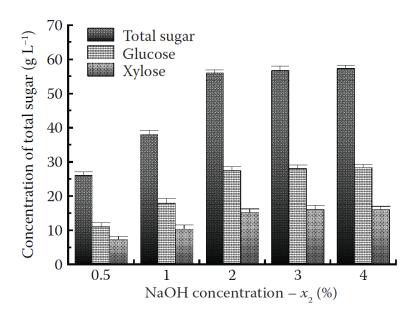


Figure 2. Effects of NaOH concentration (0.5–4.0%) on enzymatic degradation of dried vinegar residue evaluated with 1 : 10 (w/v) solid-to-liquid ratio at 65° C for 60 min

SELF ASSESSMENT

Self-assessment questions to be answered by the authors before submission of the manuscript:

- 1. Is the information to be published new, and thus worthy of publication?
- 2. Is novelty expressed in the title and discussed properly in the discussion?
- 3. Is the hypothesis sound and original?
- 4. Were the experiments well-designed and appropriate methods used?
- 5. Is the paper written with essential clarity?
- 6. Has the English been validated by a native-speaker knowledgeable about the field?
- 7. Is the list of references comprehensive, and are all the references relevant?
- 8. Where appropriate, are the results statistically significant?
- 9. Are the titles and legends for tables and figures complete and self-explanatory?
- 10. Were the Instructions to Authors thoroughly followed?

Please do not submit the manuscript if any of the above questions have been answered in the negative. While something can be learned from most review processes, the reviewers cannot be expected to provide extensive help with corrections, or to educate the authors.

Revised: October 2024