

NOTICE TO CONTRIBUTORS

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BIOLOGIA PLANTARUM is an international journal for experimental botany. It publishes original scientific papers and brief communications, reviews on specialized topics, and book reviews in plant physiology, biochemistry, physiological anatomy, ecophysiology, genetics, molecular biology, and pathophysiology. Only papers presenting generally valid findings are usually accepted. Papers should not be published or under consideration for publication elsewhere.

The manuscripts in English should be prepared in electronic version (text in MS Word for Windows, figures and photographs as JPG or TIF files) and submitted on-line (new submission on <http://www.ueb.cas.cz/bp>).

Other correspondence should be sent to editorial office by e-mail: biol.plant@ueb.cas.cz

Every manuscript is reviewed usually by two reviewers familiar with the relevant field of research, being from a different country or at least from different institution from the author.

In further correspondence do not forget to use manuscript number.

ORIGINAL PAPERS

The length of a paper including figures, tables and references should not exceed 12 pages (final size in the journal). The paper should be arranged as follows: Title, names and addresses of the author(s), abstract with additional key words, abbreviations, acknowledgements, introduction, materials and methods, results, discussion, references, tables with a heading and figure legends. The results and discussion might be joined together. Units, dimensions, terms, symbols, abbreviations, etc., recommended by the Système International d'Unités (SI) should be used.

Line drawings should be surrounded by a frame which forms their axes. Grid marks should point inwards. As far as possible, different curves should be individually labelled. Alongside the scale of the ordinate and abscissa the quantity measured should be given, followed by appropriate dimension in SI units in brackets, e.g.: TRANSPIRATION RATE [$\text{mg}(\text{H}_2\text{O}) \text{m}^{-2} \text{s}^{-1}$].

Photographs must be of the press quality with a full range of tones and of good contrast. Colour photographs are printed on authors' expenses (ca. 120 EUR per page).

References in the text should contain the authors' names followed by the year of publication, e.g. Amesz (1989) or (Lüttge *et al.* 1989, Herbert and Nilson 1991).

References at the end of the paper should be arranged alphabetically (by authors' names) (for abbreviations of journal titles see the next page):

Scebba, F., Sebastiani, L., Vitagliano, C.: Activities of antioxidant enzymes during senescence of *Prunus armeniaca* leaves. - Biol. Plant. **44**: 41-46, 2001.

Tausz, M.: The role of glutathione in plant response and adaptation to natural stress. - In: Grill, D., Tausz, M., De Kok, L.J. (ed.): Significance of Glutathione in Plant Adaptation to the Environment. Pp. 101-122. Kluwer Academic Press, Dordrecht - Boston - London 2001.

Koch, G.W., Mooney, A.A. (ed.): Carbon Dioxide and Terrestrial Ecosystems. - Academic Press, San Diego - New York - Boston - London - Sydney - Tokyo - Toronto 1996.

Gribova, Z.P., Antonovskii, V.L.: [Ultraviolet radiation effect on paramagnetic centres of plant leaves and chloroplasts.] - Izv. Akad. Nauk SSSR, Ser. biol. 1991(1): 51-58, 1991. [In Russ.]

Titles of articles written in languages other than English are given only in English translation (see the above example). However, book titles should be given also in the original language.

Additional key words (10 or less) best characterizing the contents of article and not contained in its title follow the abstract. The list of abbreviations in alphabetical order is also necessary.

BRIEF COMMUNICATIONS

Papers not longer than 4 pages (final size in the journal) including abstract, text, references, one table and one figure, or two figures, or two tables are usually published more rapidly than the longer papers.

REVIEW ARTICLES

Short but comprehensive reviews with full bibliography are accepted after preliminary discussion of the intended topics with the editors.

BOOK REVIEWS

Reviews of new books up to 1 page (final size in the journal) dealing with experimental botany or related fields, sent to the Editor, are published as soon as possible.

ANNOUNCEMENTS

The journal publishes announcements of conferences, symposia, etc. in the respective fields only on free pages.

Most common abbreviations of journal titles used in references

Abhandlungen	chinese	inorganic	quantitative
Abstract	Chromatography	Institute	Quarterly
Abteilung	Commission	international	Radiation
Academy	Communication	Investigation	Radiobiology
Acta	comparative	italian	Rastenii
Africa	Comptes rendus	Izvestiya	Recherche
agricultural	Conference	Jahrbuch	Report
Agriculture	Congres	japanese	Research
Agronomy	Contribution	Japan	Review
Akademie	Cytochemistry	Journal	royal
Algology	Cytology	Klasse	russian
allgemeine	czechoslovak	Laboratory	russkii
american	Dendrology	Landwirtschaft	scandinavicus
America	Department	Letters	Science
analytical	Deutschland	Limnology	Section
Anatomy	Disease	Lithuanian	Series (-iya)
angewandte	Dissertation	Magazin	Society
Annals	Doklady	marine	slovak
annual	Dopovidi	Mathematics	slovenian
anorganic	Ecology	Microbiology	special
applied	Education	miscellaneous	SSSR
aquatic	Embryology	molecular	Station
Arbeit	Engineer	Monograph	Supplement
Archive	Environment	Mycology	Survey
Atmosphere	Enzymology	national	Symposium
atomic	european	natural	technical
Australia	Evolution	Naturforschung	Technology
Beiheft	experimental	neerlandicus	theoretical
Belgique	Faculty	Netherlands	Tijdschrift
Bericht	Federation	New Zealand	Transaction
biochemical	Fizika	norwegian	Travail (-aux)
Biochemistry	Fiziologiya	nuclear	Trends
biokhimičeskii	Forestry	Oceanography	tropical
Biokhimiya	Forschung	Optics	Trudy
biological	Foundation	organic	ukrainian
Biology	France	original	UK
biophysical	Gazette	Otdelenie	UN
Biophysics	general	Pathology	US, USA
Bodenkunde	genetical	Pflanzen-	University
bolgarskii	Genetics	Philosophy	végétal
botanical	Gesellschaft	physical	Virology
Botany	Giornale	Physics	Virusforschung
british	helveticus	physiological	Volume
Bulletin	Histochemistry	Physiology	Weekblad
Canada	Histology	Phytopathology	Wetenschappen
cellular (-ulaire)	Horticulture	Plant (-arum)	Wissenschaft
central	hungaricus	polish	Zeitschrift
chemical	Husbandry	Proceedings	Zeitung
Chemistry	imperial	Publication	Zentralblatt
chimicus	Industry	Publishers	Zhurnal

SI units and symbols

Basic SI units

metre	m
kilogramme	kg
second	s
kelvin	K
ampere	A
mole	mol

Remarks:

Unit, dimension	Symbol	Do not use
micrometre	μm	μ
microgramme	μg	μ
minute*	min	min.
hour*	h	hr, hrs
day	d	-
degree Celsius (centigrade)	$^{\circ}\text{C}$ (e.g., 20 $^{\circ}\text{C}$)	$^{\circ}\text{C}$ (e.g., 20 $^{\circ}\text{C}$)
pasqual	Pa	atm, torr, mmHg, bar
joule	J	cal, kWh
watt per metre square	W m^{-2}	$\text{cal cm}^{-2} \text{min}^{-1}$
molar, millimolar	M, mM	-
becquerel	Bq	Ci, C, c
counts per second	s^{-1}	cpm
hertz	Hz	c/sec
volume per volume	$\text{cm}^3 \text{m}^{-3}$	vpm
mass per mass	$\mu\text{g g}^{-1}$	ppm
volume	cm^3, dm^3	ml, l
mass per volume	g dm^{-3}	g/l

*Do not use for scientific dimensions. The relevant unit is s (second).

Common SI prefixes

10^9	giga-	G
10^6	mega-	M
10^3	kilo-	k
10^{-2}	centi-	c
10^{-3}	milli-	m
10^{-6}	micro-	μ
10^{-9}	nano-	n
10^{-12}	pico-	p
10^{-15}	femto-	f

Examples of figure design:

(Figures and legends should be supplied on different sheets of white paper)

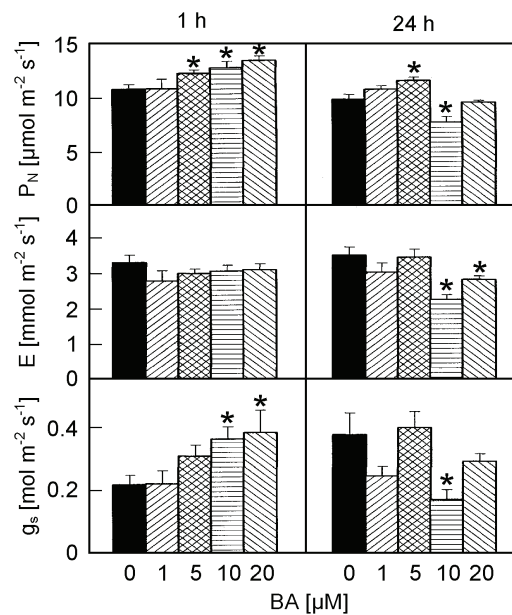


Fig. 1. Effects of root immersion in benzyladenine (BA) solutions of different concentrations (0, 1, 5, 10, and 20 μM) on net photosynthetic rate (P_N), transpiration rate (E), and stomatal conductance (g_s) of bean leaves. All parameters were measured 1 and 24 h after application. Means \pm SE, $n = 9$, * - values significantly different at $P < 0.05$ from corresponding ones measured on plants with roots immersed in water.

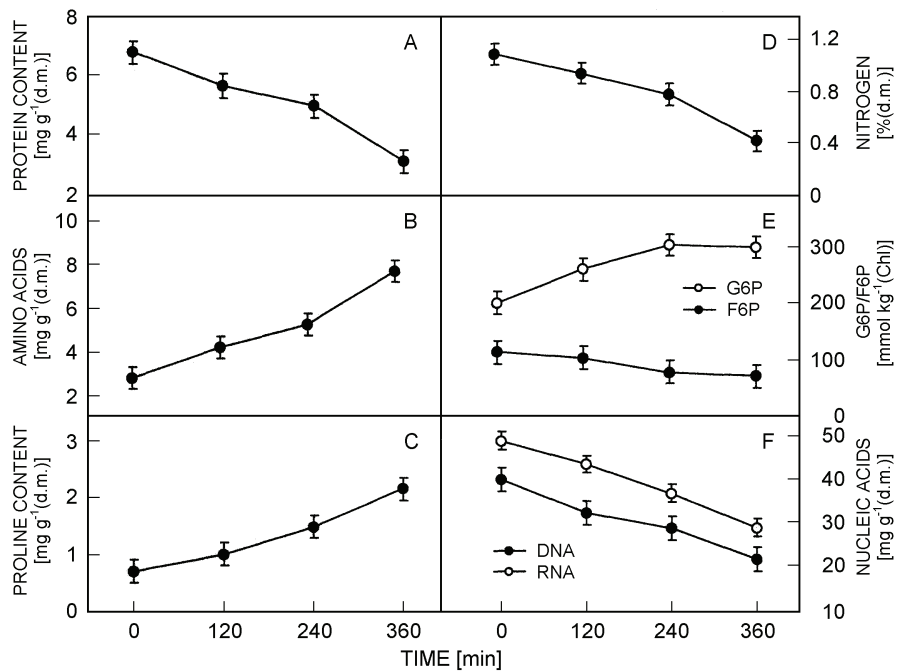


Fig. 2. Effect of high temperature (40 °C) on soluble protein content (A), amino acid content (B), free proline content (C), nitrogen content (D), glucose-6-phosphate (G6P) and fructose-6-phosphate (F6P) contents (E), and DNA and RNA contents (F) in mulberry leaves.



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