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BIBLIOGRAFIJA PROFESORA DR MIRJANE NEŠKOVIĆ
BIBLIOGRAPHY OF PROFESSOR DR MIRJANA NEŠKOVIĆ

RADOVI MONOGRAFSKOG ILI REVIJSKOG KARAKTERA
MONOGRAPHY AND REVIEW ARTICLES

Nešković, M. (1955): Kultura biljnih tkiva i organa (Plant tissue and organ culture). – *Nauka i priroda* 8, 59-65.

Nešković, M., Jelaska, S. (1980): Kultura tkiva kukuruza. – *In: Fiziologija kukuruza (Tissue culture of maize. – In: Physiology of maize)*, Posebno izd. SANU, Beograd 51, 251-274.

Nešković, M. (1981): Kultura tkiva pšenice. – *In: Fiziologija pšenice (Tissue culture of wheat. In: Physiology of wheat)*. Posebno izd. SANU, Beograd 53, 213-232.

Nešković, M. (1982): Značaj kulture tkiva i ćelija u oplemenjivanju biljaka. – *In: Teorijski i praktični aspekti kulture tkiva biljaka (The significance of plant cell and tissue culture in plant breeding. In: Theoretical and practical aspects of plant tissue culture)*. – Izd. Jugoslovensko društvo za biljnu fiziologiju, Novi Sad, 3-20.

Nešković, M. (1983): Genetski aspekti reakcije biljaka na hormone. *In: Prirodni i sintetički regulatori rasteanja biljaka (Genetic aspects of plant response to hormones. In: Natural and synthetic plant growth regulators)*. – Izd. Jugoslovensko društvo za fiziologiju biljaka, Beograd, 34-51.

Nešković, M., Konjević, R., Naunović, G., Grubišić, D. (1983): Fiziologija razvoja viših biljaka: fitohrom i giberelini (Physiology of plant development: phytochrome and gibberellins). – *Zbornik radova Simp. Multidisciplinarne nauke i njihova uloga u naučno-tehničkom progresu, Centra za multidisciplinarne studije, Univerzitet u Beogradu*, 125-132.

Nešković, M., Srejić, V., Vujičić, R. (1986): Buckwheat. – *In: Biotechnology in Agriculture and Forestry 2, Crop I*, Y.P.S. Bajaj ed., Springer-Verlag, Berlin, Heidelberg, 579-593.

Nešković, M., Čulafić, Lj. (1988): Spinach (*Spinacia oleracea* L.) *In: Biotechnology in Agriculture and Forestry, Crops II*, Y.P.S. Bajaj ed., Springer-Verlag, Berlin, Heidelberg, Vol. 6, 370-384.

Nešković, M., Čulafić, Lj., Vujičić, R. (1995): Somatic embryogenesis in buckwheat (*Fagopyrum* Mill) and sorrel (*Rumex* L.). – *In: Biotechnology in Agriculture and Forestry*, Bajaj, Y.P.S. ed., Springer-Verlag, Berlin, Heidelberg 31, 412-427.

Nešković, M., Miljuš-Đukić, J., Ninković, S. (1995): Transformation in buckwheat (*Fagopyrum esculentum*). – *In: Biotechnology in Agriculture and Forestry*, Bajaj, Y.P.S. ed., Vol. 34, Plant protoplasts and Genetic Engineering VI, Springer-Verlag, Berlin, Heidelberg, 176-187.

PUBLIKOVANI NAUČNI RADOVI
PUBLISHED SCIENTIFIC PAPERS

Nešković, M. (1955): Pokušaj gajenja pupoljaka *Arundo donax* u sterilnoj kulturi (An attempt to grow *Arundo donax* buds in aseptic culture). – *Arhiv biol. nauka* 7, 39-45.

Nešković, M. (1966): Interaction of roots, gibberellic acid and light in the promotion of stem growth in peas. – Bull. Inst. Jard. Bot., Univ. Belg. 2, 35-43.

Simić, D., Nešković, M. (1966): Proliferation of isolated *Acer pseudoplatanus* embryos. – Bull. Inst. Jard. Bot., Univ. Belg. 2, 45-48.

Nešković, M. (1967): Deistvie sveta i gibberellovoj kysloty na rost meždouzlij goroha. – Fiziol. rastenii (Moskva) 14, 1006-1010.

Nešković, M., Burnett, D. (1968): Identifikacija triptofana i indolsirćetne kiseline u ekstraktima stabla graška (Identification of tryptophane and indole acetic acid in pea stem extracts). – Arh. biol. nauka 18, 221-227.

Nešković, M., Čulafić, Lj. (1968): The influence of light on the content of growth substances in pea shoots. I. Effect of red light in the extractable indole auxins. – Bull. Inst. Jard. Bot., Univ. Belg. 3, 255-262.

Cvetković-Muntanjola, M., Nešković, M. (1968): Studies on the effect of some substances as possible substitutes of light in the sporulation of *Aspergillus flavus* 28-A. – Bull. Inst. Jard. Bot., Univ. Belg. 3, 35-41.

Cvetković-Muntanjola, M., Nešković, M., Čulafić, Lj. (1968): Morphogenic response of *Aspergillus aureolatus* Munt. – Cvet. & Bata to different carbohydrates and light. – Bull. Inst. Jard. Bot., Univ. Belg. 3, 29-34.

Muntanjola-Cvetković, M., Nešković, M. (1972): Physiological properties of the Cladosarum-like mutant 22B of *Aspergillus aureolatus*. – Arch. Mikrobiol. (Berlin) 84, 141-152.

Muntanjola-Cvetković, M., Nešković, M. (1972): A Cladosarum-like mutant of *Aspergillus aureolatus* that is temperature sensitive and osmotic remedial. – Genetika (Beograd), 4, 305-312.

Nešković, M., Radojević, Lj. (1973): The growth of and morphogenesis in tissue culture of *Spinacia oleracea* L. – Bull. Inst. Jard. Bot., Univ. Belg. 8, 35-37.

Srejić, V., Nešković, M. (1973): The presence of gibberellin-like substances in germinating embryos of different plant species. – Arh. biol. nauka 25, 107-117.

Nešković, M., Konjević, R., Čulafić, Lj. (1974): Changes in the metabolism of gibberellins induced by light. – In: Biochemistry and Chemistry of Plant Growth Regulators, K. Schreiber, H.R. Schutte, G. Sembdner eds. Halle 91-97.

Nešković, M., Konjević, R. (1974): The non-reversible effects of red and far red light on the content of gibberellin-like substances in pea internodes. – J. Exper. Bot. 25, 733-739.

Nešković, M., Sjauš, T. (1974): The role of endogenous gibberellin-like substances and inhibitors in the growth of pea internodes. – Biol. Plant 16, 57-66.

Čulafić, Lj., Nešković, M. (1974): Indole auxins in spinach plants grown in long and short days. – Biol. Plant. (Prag) 16, 359-365.

Bata, J., Nešković, M. (1974): The effect of gibberellic acid and kinetin on chlorophyll retention in *Lemna trisulca* L. – Z. Pflanzenphysiol. 73, 86-88.

Nešković, M., Radojević, Lj. (1975): Nutritional and hormonal requirements of Meteor pea callus tissue. – Acta Bot. Croat. 34, 43-51.

Damjanović, Z., Vujaklija, G., Nešković, M. (1975): Stimulation and inhibition of organ growth of *Avena sativa* by continual and intermittent light. – Arh. biol. nauka 26, 105-108.

- Ćulafić, Lj., Nešković, M. (1975): A study of auxins and gibberellins during shoot development in *Spinacia oleracea* L. – Arh. biol. nauka 26, 19-27.
- Radojević, Lj., Vujičić, R., Nešković, M. (1975): Embryogenesis in tissue culture of *Corylus avellana*. – Z. Pflanzenphysiol. 77, 33-41.
- Konjević, R., Petrović, J., Nešković, M. (1976): Differential effect of red light on the nucleic acid biosynthesis in cell organelles of *Pisum sativum* L. – Biochem. Physiol. Pflanzen 169, 187-190.
- Vujičić, R., Radojević, Lj., Nešković, M. (1976): Orderly arrangement of ribosomes in the embryogenic callus tissue of *Corylus avellana* L. – J. Cell Biol. 69, 686-692.
- Ćulafić, Lj., Nešković, M. (1976): Studies on endogenous hormones and inhibitors in dioecious plant *Rumex acetosella* during vegetative growth and development of floral structures. – Acta Univ. N. Copernici, Biol. XVIII, (Torun) 37, 19-26.
- Jablanović, M., Nešković, M., Grubišić, D., Konjević, R., Filipović, R. (1977): The distribution of endogenous hormones in dormant apple seeds. – Acta Biol. Med. Exper. (Pristina) 2, 97-99.
- Jablanović, M., Nešković, M. (1977): Changes in the endogenous level of auxins and cytokinins in axillary buds of *Pisum sativum* L. in relation to apical dominance. – Biol. Plant 19, 34-39.
- Nešković, M., Petrović, J., Radojević, Lj., Vujičić, R. (1977): Stimulation of growth and nucleic acid biosynthesis at low concentration of abscisic acid in tissue culture of *Spinacia oleracea*. – Physiol. Plant. 39, 148-154.
- Vujičić, R., Radojević, Lj., Nešković, M. (1979): Regular alignment of membranebound ribosomes in embryogenic tissue of *Paulownia tomentosa*. – Z. Pflanzenphysiol. 91, 53-56.
- Naunović, G., Nešković, M. (1979): Rapid responses to light and gibberellic acid in etiolated pea stems. – Photochem. Photobiol. 29, 1173-1175.
- Naunović, G., Nešković, M., Grubišić, D. (1980): Relationship of light and growth regulators in the phototropic reaction in dwarf pea stems. – U: „Photoreceptors and Plant Development”, J. De Greef ed. Antwerpen Univ. Press, 393-397.
- Ćulafić, Lj., Nešković, M. (1980): Effect of growth substances on flowering and sex expression in isolated apical buds of *Spinacia oleracea* L. – Physiol. Plant. 48, 588-591.
- Petrović, J., Kidrič, M., Vacić, D., Nešković, M. (1980): Nucleic acids of the chrysanthemum (*Chrysanthemum turner*) leaves during transition to flowering. – Arh. biol. nauka 32, 175-178.
- Radojević, Lj., Landre, P., Nešković, M. (1980): Isolement de trois souches tissulaires a partir d'embryons immatures d'*Acer negundo* L. – Z. Pflanzenphysiol. 99, 191-198.
- Filipović, R., Nešković, M., Jablanović, M., Hoxha, Y., Grubišić, D., Konjević, R. (1981): Examination of endogenous growth substances in the apple fruits during development. – Acta Biol. Med. Exper. (Pristina) 6, 17-21.
- Kidrič, M., Petrović, J., Nešković, M. (1981): Comparative studies of nucleic acids from vegetative and reproductive apices of chrysanthemum (*Chrysanthemum turner*). – Period. Biol. 83, 407-413.
- Srejić, V., Nešković, M. (1981): Regeneration of plants from cotyledon fragments of buckwheat (*Fagopyrum esculentum* Moench.). – Z. Pflanzenphysiol. 104, 37-42.

Bata, J., Nešković, M. (1982): Effect of external factors on growth and morphogenesis in *Lemma trisulca* L. in axenic culture. I. Plant hormones. – Bull. Inst. Jard. Bot., Univ. Belg. 15, 1-9.

Bata, J., Nešković, M. (1982): Effect of external factors on growth and morphogenesis in *Lemma trisulca* L. in axenic culture. II. Light conditions. – Bull. Inst. Jard. Bot., Univ. Belg. 15, 11-13.

Naunović, G., Nešković, M. (1982): Effect of monochromatic irradiation on gibberellin content and apical bud opening in etiolated peas. – Bull. Inst. Jard. Bot., Univ. Belg. 15, 15-19.

Pekić, S., Nešković, M. (1982): Influence of phytochrome on the content of endogenous hormones in *Lemma aequinoctialis* during the long night period. – Bull. Inst. Jard. Bot., Univ. Belg., 15, 21-28.

Ćulafić, Lj., Grubišić, D., Nešković, M. (1982): Endogenous gibberellin-like substances and inhibitors in callus tissue of *Spinacia oleracea* L. – Bull. Inst. Jard. Bot., Univ. Belg., 15, 29-35.

Srejšović, V., Nešković, M. (1983): Formation and anatomy of buckwheat organogenic callus tissue *in vitro*. – Bull. Inst. Jard. Bot., Univ. Belg., 17, 45-50.

Ćulafić, Lj., Konjević, R., Nešković, M. (1983): Flowering of *in vitro* grown spinach shoots in the presence of herbicide Sandoz 9789. – Biol. Plant. 25, 155-157.

Vujičić, R., Radojević, Lj., Nešković, M. (1983): Ultrastructural study of somatic and zygotic embryos of *Corylus avellana*. – In: Proc. Atti del Convegno Internazionale sul Nocciuolo, Avellino, Italy, 275-178.

Radojević, Lj., Nešković, M., Vujičić, R., Kovoov, A. (1983): *In vitro* vegetative propagation of *Corylus avellana*. – In: Proc. Atti del Convegno Internazionale sul Nocciuolo, Avellino, Italy, 283-281.

Ćulafić, Lj., Nešković, M., Vujičić, R. (1984): Two morphogenic patterns of plant regeneration in *Rumex acetosella* callus tissue. – In: Proc. Inter. Symp. Plant Tissue and Cell Culture. Application to Crop Improvement. Olomouc 161-162.

Babić, V., Nešković, M. (1984): Propagation of three blackberry cultivars from small apical buds *in vitro*. – J. Hort. Sci. 59, 183-185.

Grubišić, D., Ćulafić, Lj., Nešković, M. (1984): *In vitro* vegetative propagation of *Cercis siliquastrum* L. – Bull. Inst. Jard. Bot., Univ. Belg., 18, 77-80.

Nikolić, Đ., Knežević, T., Penčić, M., Nikolić, N., Nešković, M. (1985): Regeneracija biljaka u tkivnoj kulturi nezrelih embriona kukuruza (Plant regeneration in tissue culture of immature maize embryos). – Arh. za poljoprivredne nauke 46, 115-128.

Nešković, M. (1985): Vegetativno razmnožavanje belošljive (*Prunus domestica* L.) u kulturi *in vitro* (Vegetative propagation of plum (*Prunus domestica* L.) in *in vitro* culture). – Arh. za poljoprivredne nauke 46, 375-380.

Nešković, M., Vujičić, R., Srejšović, V. (1985): Differential responses of buckwheat leaf cells to growth substances stimulating cell division. – Ann. Bot. 56, 755-760.

Srejšović, V., Nešković, M. (1985): Effect of gibberellic acid on organogenesis in buckwheat tissue culture. – Biol. Plant. 27, 432-437.

Grubišić, D., Nešković, M., Konjević, R. (1985): Changes in light sensitivity of *Paulownia tomentosa* and *P. fortunei* seeds. – Plant Sci. 38, 13-16.

Spasenoski, M., Nešković, M. (1985): *In vitro* vegetative propagation of *Actinidia chinensis* Planch. from juvenile and adult plant segments. – Bull. Inst. Jard. Bot., Univ. Belg. 19, 7-13.

Stefanović, M., Grubišić, D., Nešković, M. (1986): Effect of light and growth substances on seed germination in *Ramonda serbica* Panč. – Bull. Inst. Jard. Bot., Univ. Belg. 20, 1-5.

Savić, R., Spasić, M., Milijić, S., Nešković, M. (1986): Regeneracija biljaka u tkivnoj kulturi lucerke (*Medicago sativa* L., sorta Zaječarska 83) i osobine regeneranata u prirodnim uslovima (Plant regeneration in tissue culture of alfalfa (*Medicago sativa* L., CV. Zaječarska 83) and regenerants properties under field conditions). – Arh. za poljoprivredne nauke 47, 273-283.

Ćulafić, Lj., Budimir, S., Vujičić, R., Nešković, M. (1987): Induction of somatic embryogenesis and embryo development in *Rumex acetosella* L. – Plant Cell Tissue and Organ Culture 11, 133-139.

Nešković, M., Vujičić, R., Budimir, S. (1987): Somatic embryogenesis and bud formation from immature embryos of buckwheat (*Fagopyrum esculentum* Moench). – Plant Cell Reports 6, 423-426.

Ćulafić, Lj., Samofalova, A., Nešković, M. (1987): *In vitro* organogenesis in two dioecious species, *Rumex acetosella* and *R. acetosa* L. (Polygonaceae). – Plant Cell Tissue and Organ Culture, 11, 125-131.

Konjević, R., Grubišić, D., Nešković, M. (1987): The effect of norflurazon on phototropic reaction in *Phaseolus aureus* Roxb. seedlings. – Photochem. Photobiol. 45, 821-824.

Grubišić, D., Konjević, R., Nešković, M. (1988): The effect of some growth regulators on light-induced germination of *Paulownia tomentosa* seeds. – Physiol. Plant. 72, 525-528.

Ninković, S., Miljuš-Đukić, J., Nešković, M. (1988): *In vitro* performance of *Medicago sativa* L. cv. Zaječarska 83. Direct Somatic Embryogenesis, Cell and Protoplasts Culture. – Bull. Inst. Jard. Bot., Univer. Belgrade, 22, 27-35.

Jelić, G., Ćulafić, Lj., Kapor, S., Nešković, M. (1988): Endogenous cytokinins in the vegetative and reproductive phases of development in the dioecious plant *Rumex acetosella* L. – Plant Growth Regulation, 7, 53-58.

Nikolić, Đ., Knežević, T., Bogičević, M., Šurlan, G., Nešković, M. (1989): Androgeniza nekih genotipova kukuruza primenom kulture tkiva *in vitro* (Androgenesis of some maize genotypes by tissue culture *in vitro*). – Genetika 21, 45-53.

Naunović, G., Nešković, M. (1989): Effects of substances affecting apoplasmic and cytoplasmic calcium concentration in rapid pea stem growth responses. – Bull. Inst. Jard. Bot., Univ. Belg. – 23, 27-34.

Konjević, R., Grubišić, D., Nešković, M. (1989): Growth Retardant-Induced Changes in Phototropic Reaction of *Vigna radiata* Seedlings. – Plant Physiol. 89, 1085-1087.

Nešković, M., Vinterhalter, B., Miljuš-Đukić, J., Ghalawenji, N. (1990): Micropropagation of recessive determinante genotypes of buckwheat (*Fagopyrum esculentum* Moench.) as an alternate approach to uniform seed production. – Plant Breeding 105, 337-340.

Nešković, M., Vinterhalter, B., Miljuš-Đukić, J., Ninković, S., Vinterhalter, D., Jovanović, V., Knežević, J. (1990): Susceptibility of buckwheat (*Fagopyrum esculentum* Moench.) to *Agrobacterium tumefaciens* and *A. rhizogenes*. – Fagopyrum (Buckwheat Newsletter) 10, 57-61.

Bohanec, B., Nešković, M. (1991): Attempts at haploidy induction in buckwheat (*Fagopyrum esculentum* Moench.) – Proc. Intern. Conf. Buckwheat Breeding, Miyazaki Univ., Japan, 11-15.

Naunović, G., Nešković, M. (1991): Differential effects of calmodulin antagonists on indolacetic acid- and gibberellic acid-induced biphasic growth responses. – Biol. Plant. 33, 75-80.

Vinterhalter, B., Nešković, M. (1992): Factors affecting *in vitro* propagation of quince (*Cydonia oblonga* Mill.) – J. Hort. Sci. 67, 39-43.

Miljuš-Đukić, J., Ninković, S., Nešković, M. (1992): Differential response to growth substances in transgenic buckwheat (*Fagopyrum esculentum* Moench.) clones. – Arh. biol. nauka 44, 197-202.

Miljuš-Đukić, J., Nešković, M., Ninković, S., Crkvenjakov, R. (1992): Agrobacterium mediated transformation and plant regeneration of buckwheat (*Fagopyrum esculentum* Moench.) – Plant Cell Tissue and Organ Culture 29, 101-108.

Zdravković-Korać, S., Nešković, M. (1993): Somatic embryogenesis in spinach (*Spinacia oleracea* L.). – Arch. Biol. Sci. 45, 57P-58P.

Dragičević, I., Nešković, M. (1993): Responses of buckwheat (*Fagopyrum esculentum* Moench.) dwarf mutants to light and gibberellic acid. – Arch. Biol. Sci. 45(3-4), 53P.

Ivić, S., Nešković, M. (1993): Morphogenic effects of a chimeric isopentenyl transferase gene in transformed tobacco (*Nicotiana tabacum* L.) and buckwheat (*Fagopyrum esculentum* Moench.) tissues. – Arch. Biol. Sci. 45(1-2), 19P-20P.

Bohanec, B., Nešković, M., Vujičić, R. (1993): Anther culture and androgenetic plant regeneration in buckwheat (*Fagopyrum esculentum* Moench.) – Plant Cell Tissue and Organ Culture 35, 259-266.

Jovanović, V., Dragičević, I., Miljuš-Đukić, J., Nešković, M. (1993): Plant regeneration from hairy roots of *Fagopyrum esculentum*. – Arch. Biol. Sci. 45(3-4), 55P.

Ninković, S., Miljuš-Đukić, J., Nešković, M. (1995): Genetic transformation of alfalfa somatic embryos and their clonal propagation through repetitive somatic embryogenesis. – Plant Cell, Tissue and Organ Culture, 42, 255-260.

Miljuš-Đukić, J., Nešković, M. (1995): The effect of Cycloheximide on self-incompatible pollen germination in buckwheat (*Fagopyrum esculentum* Moench.). – Arch. Biol. Sci. 47(3-4), 17P-18P.

STRUČNI RADOVI

SPECIAL PAPERS

Nešković, M. (1973): Oko 90 članaka iz oblasti fiziologije biljaka, Enciklopedija „Mozaik znanja”, Biologija, Izd. Interpres, Beograd, Tom 19.

Nešković, M. (1978): Regulacija razvića viših biljaka. In: Savremeni pristup prirodnim naukama, Izd. Kolarčev narodni univerzitet, Beograd, 39-46.