

## Marina Stamenković-Radak, Phd

### Bibliography

#### Papers published in international journals (SCI list)

- STAMENKOVIĆ-RADAK, M., M. ANDJELKOVIĆ, M. MILANOVIĆ and M. SEKULIĆ (1986): The sex-linked recessive lethal test in *D.melanogaster*; testing of Urotovet<sup>R</sup>. Acta Veterinaria (Beograd). 36: 219-222.
- ANDJELKOVIĆ, M., M.MILANOVIĆ and M.STAMENKOVIĆ-RADAK (1987): Adaptive significance of amylase polymorphism in *Drosophila*. I. The geographical pattern of allozyme polymorphism at the amylase locus in *D. subobscura*. Genetica, 74: 161-171.
- ANDJELKOVIĆ, M., M. STAMENKOVIĆ-RADAK, M. SEKULIĆ and M. MILANOVIĆ (1991): Adaptive significance of amylase polymorphism in *Drosophila*. III. Geographic patterns in *Drosophila subobscura* tissue-specific expression of amylase in adult midgut. Genetique Selection Evolution, 23: 197-204.
- STAMENKOVIĆ-RADAK, M., L. PARTRIDGE and M. ANDJELKOVIĆ (1992): A genetic correlation between the sexes for mating speed in *Drosophila melanogaster*. Anim. Behav., 43: 389-396.
- STAMENKOVIĆ-RADAK, M., L.PARTRIDGE and M.ANDJELKOVIĆ (1993): A genetic correlation between the sexes for mating speed in *Drosophila melanogaster*; A reply to Butlin. Anim. Behav.,45(1-2): 405.
- TERZIĆ, T., M. ANDJELKOVIĆ, D. MARINKOVIĆ and M. STAMENKOVIĆ-RADAK (1996): Frequency-dependent selection:I. Rare male phenomenon in *D.subobscura* dependent on the proportion of Amy genotypes and substrate composition. Journal of Evolutionary Biology, 9: 337-355.
- TERZIĆ, T., M. MILANOVIĆ, M. IVANOVIĆ, M. STAMENKOVIĆ-RADAK, M. ANDJELKOVIĆ (1999): Adaptive significance of amylase polymorphism in *Drosophila*. Analysis of the association between tissue-specific expression and specific activity in *Amy<sup>S</sup>* or *Amy<sup>F</sup>* genotypes of *Drosophila subobscura*. Genetique Selection Evolution, 31: 91-99.
- STAMENKOVIĆ-RADAK, M., I. KITANOVIĆ, Z. PROLIĆ, I. TOMISIĆ, B. STOJKOVIĆ and M. ANDJELKOVIĆ (2001): The effect of a permanent magnetic field on wing size parameters in *Drosophila melanogaster*. Bioelectromagnetics, 22: 365-369.
- ANDJELKOVIC, M., T. SAVIC, M. MILANOVIC and M. STAMENKOVIC-RADAK (2002): Adaptive significance of amylase polymorphism in *Drosophila*. XII. Density- and frequency-dependent selection at the Amy-locus in *D.subobscura* reared on media with different carbohydrate composition. Journal of Zool. Syst. and Evolutionary Research, 41: 137-143.
- STAMENKOVIĆ-RADAK, M., M. MILANOVIĆ, T. SAVIĆ and M. ANDJELKOVIĆ (2003): Adaptive significance of amylase polymorphism in *Drosophila*. XIII. Old World *obscura* species subgroup divergence according to biochemical properties of  $\alpha$ -amylase. Genes and Genetic Systems 78:23-28.
- SAVKOVIĆ, V., M. STAMENKOVIĆ-RADAK, and M. ANDJELKOVIĆ (2004): Diurnal variability of gene arrangement frequencies in *Drosophila subobscura* populations from two habitats. Journal of Zoological Systematics and Evolutionary Research 42: 208-214.
- STAMENKOVIĆ-RADAK, M., T. SAVIĆ, M. VIĆENTIĆ and M. ANDJELKOVIĆ (2005): Atigenotoxic effects of royal jelly in the sex linked recessive lethal test with *Drosophila melanogaster*. Acta Veterinaria, Beograd, 55: 301-306.
- KALAJDŽIĆ, P., M. STAMENKOVIĆ-RADAK and M.ANDJELKOVIĆ (2006): The effect of different concentrations of lead on inversion polymorphism in *Drosophila subobscura*. Hereditas, 138: 241-243.
- SAVIĆ T., M.MILANOVIĆ, M. STAMENKOVIĆ-RADAK and M.ANDJELKOVIĆ (2007): Adaptive significance of amylase polymorphism in *Drosophila* XIV. Effect of substrates with different carbohydrate composition on some life-history traits of *Drosophila subobscura*. Russian Journal of Genetics, 44: 279-286.

- STAMENKOVIC-RADAK, M, G.RAŠIĆ, T.SAVIC, P.KALAJDZIC, Z.KURBALIJA, B.KENIG and M. ANDJELKOVIC (2008): Monitoring of the genetic structure of natural populations; change of the effective population size and inversion polymorphism in *Drosophila subobscura*. *Genetica*. 133: 57-63.
- STAMENKOVIC-RADAK M, P.KALAJDZIC, T.SAVIC, M.SAVIC, Z.KURBALIJA, G.RASIC and M.ANDJELKOVIC (2008): The effect of lead on fitness components and developmental stability in *Drosophila subobscura*. *Acta Biologica Hungarica*. 59: 47-56.
- STAMENKOVIĆ-RADAK, M, G.RAŠIĆ, M.ČUČKOVIĆ, T.SAVIĆ and M.ANDJELKOVIĆ (2008): Microhabitat variability in the body size of *Drosophila subobscura*. *Folia Biologica Krakow*, 56: 51-56.
- ŽIVANOVIĆ, D, S.ŠIPETIĆ-GRUJIČIĆ, M.STAMENKOVIĆ-RADAK and J.MILAŠIN. (2008): Graves-Basedow disease and potential risk factors. *Vojnosanitetski preglod*, 65: 633-638
- SAVIĆ, M., PATENKOVIĆ, A., STAMENKOVIĆ-RADAK, M. and ANDJELKOVIĆ, M. (2008): Variability of fluctuating asymmetry in ovariole number of *Drosophila subobscura* caused by microclimatic difference. *Arch.Biol.Sci.Belgrade*, 60: 1P-2P.
- RAŠIĆ, G., STAMENKOVIĆ-RADAK, M., SAVIĆ, T., and ANDJELKOVIĆ, M. (2008): Inbreeding reveals interpopulation differences in inversion polymorphism of *Drosophila subobscura*. *Journal of Zoological Systematics and Evolutionary Research*. 46: 31-37.
- PATENKOVIĆ, A., STAMENKOVIĆ-RADAK, M., BANJANAC, T. and ANDJELKOVIĆ, M (2009): Antimutagenic effect of sage tea in the wing spot test of *Drosophila melanogaster*. *Food and Chemical Toxicology*, 47:180-183.
- JELIĆ M., B.KENIG, Z.KURBALIJA, M.STAMENKOVIĆ-RADAK, and M.ANDELKOVIĆ (2009): Intra-species differentiation among *Drosophila subobscura* from different habitats in Serbia. *Arch.Biol.Sci.Belgrade*, 61: 513-521
- KURBALIJA Z., KENIG B., PLAVŠA J., STAMENKOVIĆ-RADAK M. and ANDJELKOVIĆ M (2010): The effect of lead on the developmental stability of *Drosophila subobscura* through selection in laboratory conditions. *Arch.Biol.Sci.Belgrade*, 62: 83-91.
- KENIG, B.; JELIC, M.; KURBALIJA Z., STAMENKOVIC-RADAK, M., ANDELKOVIC M. (2010): Inversion polymorphism in populations of *Drosophila subobscura* from urban and non-urban environments. *Arch.Biol.Sci.Belgrade*, 62: 565-574
- KURBALIJA, B., STAMENKOVIĆ-RADAK M., PERTOLDI C. and ANDJELKOVIĆ M. (2010): Outbreeding causes developmental instability in *Drosophila subobscura*. *Evolutionary Ecology*. 24, 4:839-864.
- KURBALIJA NOVICIC Z., M. STAMENKOVIC-RADAK, C. PERTOLDI, M. JELIC, M. SAVIC VESELINOVIC, M. ANDJELKOVIC (2011): Heterozygosity maintains developmental stability of sternopleural bristles in *Drosophila subobscura* interpopulation hybrids. *J of Insect Science*. 11:113
- KURBALIJA NOVICIC Z., RAŠIĆ, G., STAMENKOVIĆ-RADAK M. and ANDJELKOVIĆ M. (2011). Does inbreeding affect developmental stability in *Drosophila subobscura* populations? *Genetika*. 43: 639-654.
- JELIC M, B KENIG, M TANASKOVIC, M STAMENKOVIC-RADAK and M. ANDELKOVIC. 2012 Relationship between chromosomal and mitochondrial DNA variability of *Drosophila subobscura* population from the Lazar's river canyon. *Genetika*. 44: 409-417.
- JELIC, M., CASTRO, J. A., KURBALIJA NOVICIC, Z., KENIG, B., DIMITRIJEVIC, D., SAVIC VESELINOVIC, M., JOVANOVIĆ, M., MILOVANOVIĆ, D., STAMENKOVIC-RADAK, M., ANDJELKOVIC, M. 2012. Absence of linkage disequilibria between chromosomal arrangements and mtDNA haplotypes in natural populations of *Drosophila subobscura* from the Balkan Peninsula. *Genome*. 55:214-221.
- STAMENKOVIC-RADAK, M., M. JELIC, Z. KURBALIJA NOVICIC, B. KENIG, M. TANASKOVIC AND M. ANDJELKOVIC. 2012. Balkan glacial history and modern *Drosophila subobscura* population genetics. *Evolutionary Ecology Research*. 14: 839-858.
- RADULOVIC, Z., M. MILUTINOVIC, S. TOMANOVIĆ, D. MIHALJICA, S. CAKIĆ, M. STAMENKOVIC-RADAK, and M. ANDELKOVIC. 2012. Seasonal and Spatial Occurrence of Glycerol-3-Phosphate Dehydrogenase Variability in *Ixodes ricinus* (Acari: Ixodidae) Populations. *Journal of Medical Entomology*, 49: 497-503

- ZELJIĆ K, ŠUPIĆ G, STAMENKOVIĆ RADAK M, JOVIĆ N, KOZOMARA R, MAGIĆ Z. 2012. Vitamin D Receptor, CYP27B1 and CYP24A1 genes polymorphisms association with oral cancer risk and survival. *J Oral Pathol Med.* 41: 779-787
- KENIG, B., STAMENKOVIC-RADAK, M and ANDJELKOVIC, M. (2012): Population specific fitness response of *Drosophila subobscura* to lead pollution. *Insect Science* 20: 245-253.
- KURBALIJA NOVICIC Z., B.KENIG, J.LUDOSKI, STAMENKOVIĆ-RADAK M. and ANDJELKOVIĆ M. (2012). Lead-Induced Variation in Wing Size and Shape in Populations of *Drosophila subobscura*, *Environmental Entomology*, 4: 979-988.
- PATENKOVIĆ A, M. STAMENKOVIĆ-RADAK, D. NIKOLIĆ, T. MARKOVIĆ, M. ANĐELKOVIĆ. 2013. Synergistic effect of *Gentiana lutea* L. on methyl methanesulfonate genotoxicity in the *Drosophila* wing spot test. *Journal of Ethnopharmacology (Ethnopharmacological comm)*. DOI: 10.1016/j.jep.2013.01.027
- KURBALIJA-NOVICIC Z., JELIC M., SAVIC T., SAVIC-VESELINOVIC M. , DIMITRIJEVIC D., JOVANOVIĆ M., KENIG B., STAMENKOVIC-RADAK M., ANDJELKOVIC M.. 2013. Effective population size in *Drosophila subobscura*: ecological and molecular approaches .*Journal of Biological Research, Thessaloniki* 19: 65-74.

### **Book**

- ANDJELKOVIC, M. I M. STAMENKOVIC-RADAK (2013). *Geni u populacijama*. Biološki fakultet. Beograd

### **Chapters in monographs**

- ANDJELKOVIC, M. and M. STAMENKOVIC-RADAK (2002): Genetic variability and developmental stability in populations under stress; the *Drosophila* model. In: "Genetics, Ecology, Evolution". Institute of Zoology, Faculty of Biology, University of Belgrade. Monographs, vol.VI. pp. 49-64.
- SAVIĆ T., A. PATENKOVIĆ., Z. KURBALIJA, B. KENIG, M. SAVIĆ, M. STAMENKOVIĆ-RADAK i M. ANĐELKOVIĆ (2006): "Tehnike mikroskopiranja u populaciono- genetičkim i kvantitativno genetičkim istraživanjima na Odeljenju za genetiku populacija i ekogenotoksikologiju, Institut za biološka istraživanja „Siniša Stanković“, Univerziteta u Beogradu“. Monografija Pedest godina elektronske mikroskopije u Srbiji, Beograd, pp. 83-86.

### **Papers publishes in national journals**

- ANDJELKOVIĆ, M., J.FRANEKIĆ and M. STAMENKOVIĆ-RADAK (1984): Genetic loads in two natural populations of *D.melanogaster* from Slovenia (Yugoslavia). *Arch. Biol. Sci. (Beograd)*. 36:31-39.
- STAMENKOVIĆ-RADAK, M. and M. ANDJELKOVIĆ (1985): The effect of 13 food colours on induction of sex linked recessive lethal mutations in *D.melanogaster*. *Hrana i Ishrana*: 26: 23-24.
- ANDJELKOVIĆ M., M. STAMENKOVIĆ-RADAK and M. SEKULIĆ (1985): The daily activity rythm of *D.subobscura* at Ravnište (Jastrebac) locality, Yugoslavia. *Acta Entomologica Yugoslavica*, 21: 109-118.
- STAMENKOVIĆ-RADAK, M., M. ANDJELKOVIĆ and J. FRANEKIĆ (1986): Genetic loads in natural population of *D.melanogaster* from the vicinity of NPP "Krško". *Arch. Biol .Sci. (Beograd)*, 38: 37-44.
- STAMENKOVIĆ-RADAK, M., M. ANDJELKOVIĆ and M. MILOŠEVIĆ (1987): Adaptive significance of amylase polymorphism in *Drosophila*. II. The characteristics of polymorphism of amylase tissue-specific expression in *D.subobscura*. *Arch. Biol. Sci. (Beograd)*. 39: 51-62.
- STAMENKOVIĆ-RADAK, M. and M. ANDJELKOVIĆ (1988): Genotoxicity testing of drinking water. *Arch. Biol. Sci.(Beograd)*, 40: 25-31.
- SAVIĆ, T., M.STAMENKOVIĆ-RADAK, and M. ANDJELKOVIĆ (1989): Genetic loads on X-chromosome in *D.melanogaster* population from Slankamen. *Arch. Biol. Sci. (Beograd)*, 41(3-4): 11P-12P.
- STAMENKOVIĆ-RADAK, M., M. ANDJELKOVIĆ and L. PARTRIDGE (1991): Quantitative genetic analysis of mating behaviour components in both sexes of *D.melanogaster*. *Genetika*, 22: 45-53.

- STAMENKOVIĆ-RADAK, M. and M. ANDJELKOVIĆ (1992): Adaptive significance of amylase polymorphism in *Drosophila*. VII. Phenotypic expression of amylase in *D.subobscura*. Arch. Biol. Sci. (Beograd) 44: 155-160.
- TERZIĆ, T., M. ANDJELKOVIĆ and M. STAMENKOVIĆ-RADAK (1994): Effect of fluorescent dust, as a marker, on the frequency of mating in *Drosophila melanogaster*. Dros. Inf. Serv. 75: 164-165.
- NEDELJKOVIĆ, M., L.I. KOROČKIN, V.N.BAŠKIREV, N. ŠOSTAK, G. PAVLOVA and M. STAMENKOVIĆ-RADAK (1997): Genetic analysis of transgenic *D.melanogaster* flies after injection of the foreign gene of esterase S. Dros. Inf. Service, 80: 127-128.
- TERZIĆ, T., M. STAMENKOVIĆ-RADAK and M. ANDJELKOVIĆ (1997): Sex-ratio in a natural population of *Drosophila subobscura* from mountain Goč, Serbia. Acta Entomologica Serbica, 2: 9-15.
- STAMENKOVIĆ-RADAK, M., T. TERZIĆ and M. ANDJELKOVIĆ (1998): Mating discrimination and wing size differences after selection for mating speed both sexes of *D.melanogaster*. Acta entomologica serbica, 3: 85-92.
- STAMENKOVIĆ-RADAK, M., T. TERZIĆ, G. ŽIVANOVIĆ and M. ANDJELKOVIĆ (1998): Quantitative genetic variation of wing length across temperatures in two *D.subobscura* populations. Genetika, 30: 77-88.
- STAMENKOVIĆ-RADAK, M., M. MILANOVIĆ, V. STOJILJKOVIĆ, T. TERZIĆ and M. ANDJELKOVIĆ (1999): The variability of enzyme activity across temperatures in two *Drosophila subobscura* populations. Arch. Biol. Sci. (Beograd), 51: 79-84.
- TOMIŠIĆ, I., M. STAMENKOVIĆ-RADAK, M. MILETIĆ and M. ANDJELKOVIĆ (2001) Hybrid dysgenesis in two natural populations of *D.melanogaster* from Serbia. Arch. Biol. Sci. (Beograd), 53(1-2): 5P-6P.
- KITANOVIĆ, I., M. STAMENKOVIĆ-RADAK, T. SAVIĆ, A. POPOVIĆ, J. NENADOVIĆ. I. TOMIŠIĆ, V. SAVKOVIĆ and M. ANDJELKOVIĆ (2001) A genotoxicity test of the Danube river waters after accidental pollution; SLRL test on *D.melanogaster*. Arch. Biol. Sci. (Beograd), 53(3-4), 29P-30P.
- STAMENKOVIĆ-RADAK, M. I. KOSIĆ, G. RAŠIĆ, N. JUNAKOVIC and M. ANDJELKOVIĆ (2009): Developmental stability of interspecies hybrids among *D.melanogaster*, *D.simulans* and *D.mauritiana*. Acta Entomologica Serbica, 14 (1):27-37.
- ŽIVANOVIĆ, D, S. ŠIPETIĆ-GRUJIĆIĆ, M. STAMENKOVIĆ-RADAK i J. MILAŠIN. (2008): Učestalost umiranja od hroničnih nezaraznih bolesti na području pomoravskog okruga u periodu 1990-2004. godine. Medicinska istraživanja. Vol. 42, sveska 2. 23-28.
- ANDJELKOVIĆ, M., M.STAMENKOVIC-RADAK, Z.KURBALIJA, B.KENIG, G.RAŠIĆ, V.SAVKOVIC, P.KALAJDZIC, T.SAVIC and M.SAVIĆ (2008): The study of chromosomal inversion polymorphism of *Drosophila subobscura* over years in two different habitats from mountain Goc. Genetika, 39: 155-167.
- ŽIVANOVIĆ, D, S. ŠIPETIĆ-GRUJIĆIĆ, M. STAMENKOVIĆ-RADAK i J. MILAŠIN (2010): Potencijalni faktori rizika za nastajanje dijabetes melitus tipa 2. Medicinski pregled, 63 (3-4).
- ROGIĆ B., B. VAŽIĆ, S. JOVANOVIĆ, M. STAMENKOVIĆ-RADAK, M. SAVIĆ, I. RAVIĆ. (2011). Ispitivanja varijabilnosti morfometrijskih karakteristika buše i gatačkog goveda u cilju očuvanja autohtonog genoma. Veterinarski glasnik 65 (1-2): 51 – 69.
- PAVKOVIĆ-LUČIĆ, S., SAVIĆ, T., JELIĆ, M., KENIG, B., TANASKOVIĆ, M., STAMENKOVIĆ-RADAK, M. and ANĐELKOVIĆ, M. 2012. Note on the fauna of *Drosophila* (Diptera: Drosophilidae) and the first record of *Opomyza florum* (Diptera: Opomyzidae) from Mountain Goč, Serbia. Acta entomologica serbica, 17: 45-52.
- TRAJKOVIĆ, J., PAVKOVIĆ-LUČIĆ, S., STAMENKOVIĆ-RADAK, M., ANDJELKOVIĆ, M. and SAVIĆ T. (2013). Mating frequency of *Drosophila subobscura* from two populations. Dros. Inf. Serv., 96: 90-94.

**Invited plenary lectures at scientific meetings (other contributions at scientific meetings not included)**

- STAMENKOVIĆ-RADAK, M. and ANDJELKOVIĆ, M.: Genotoxicity and anitmutagenicity of food and nutrients. 9th International Conference on Fundamental and Applied Aspects of Physical Chemistry), Belgrade, 23.9.2008. Proceedings, 16-18.
- STAMENKOVIC RADAK, M. Balkan glacial history and the present *D. subobscura* population genetic information. II Symposium of Population and Evolutionary Genetics, Belgrade, Serbia, 09-12 May 2012. Book of Abstracts, p54.
- ANDJELKOVIĆ, M. i M. STAMENKOVIĆ-RADAK: Populaciono-genetički aspekt stresa. II Kongres genetičara Srbije, Sokobanja, 1999. Izvodi, 9-10.
- STAMENKOVIĆ-RADAK, M: Efekat inbridinga i hibridizacije na razvojnu stabilnost *Drosophila*. I Simpozijum biologa Republike Srpske, Banja Luka, 2005. Zbornik sažetaka, 2.
- STAMENKOVIĆ-RADAK M. i M. ANĐELKOVIĆ. Efekat stresa na genetičku i fenotipsku varijabilnost; *Drosophila* model. Simpozijum Entomologa Srbije sa međunarodnim učešćem, Sokobanja, Septembar 23-27, 2009.

### **Other invited lectures (selected)**

*HERBS project; curriculum development reform of Biology studies in Serbia..* AEGEE Conference Bologna Best Practices, Nis 8-11, May, 2007.

*Genetičke sličnosti i različitosti humanih populacija.* Kolarčeva zadužbina, 01.11.2007.

*Molekularna genetika za negenetičare.* GenEdu, Unesco, Beograd, VMA, 11.07.2008

*Genotoksičnost i antimutagenost sastojaka hrane.* Dom kulture, Zrenjanin, 5. februar 2010.

*Genetička uslovljenost složenih osobina.* Udruženje osoba sa posebnim potrebama. Maj, 13., 2010

*Experience in teaching bioethics at Faculty of Biology, University of Belgrade* (Magić, Z and M.Stamenković-Radak). Ethical aspects of genetic testing and research in biomedicine, July 1-2. 2010, SANU, Beograd. Organizatori: Savet Evrope, Društvo genetičara Srbije, Nacionalni komitet za Bioetiku

*Područja primene genetički modifikovanih organizama.* Naučni skup u SANU: Genetički modifikovani organizmi, činjenice i izazovi. Oktobar, 22. -23- 2013.