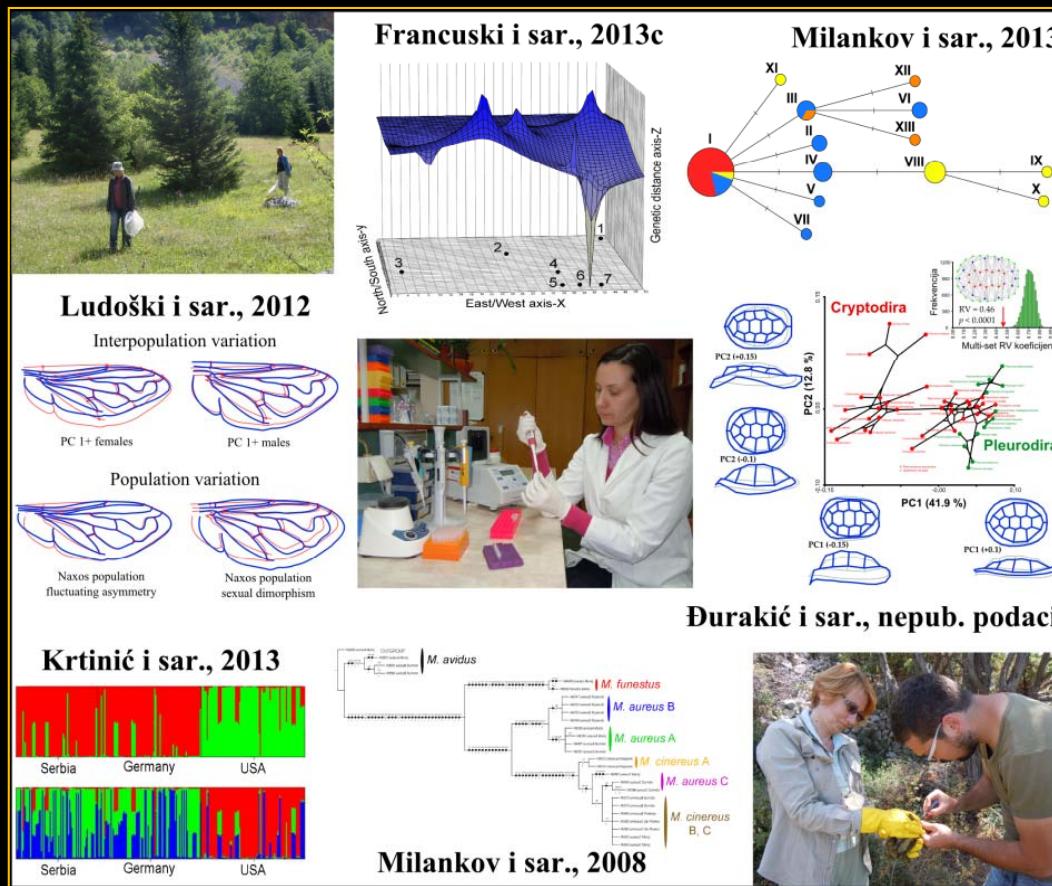


EVOLUCIONA BIOLOGIJA

Departman za biologiju i ekologiju, PMF



Novi Sad, 14.04.2016.



dr Ljubinka Francuski Marčetić
naučn. sar. Organska evolcija



dr Jasmina Ludoški
vanr. prof. Organska evolucija



Marko Đurakić
asistent Zoologija



dr Vesna Milankov
red. prof. Organska evolucija

Insekatske vrste od epidemiološkog, medicinskog i veterinarskog značaja



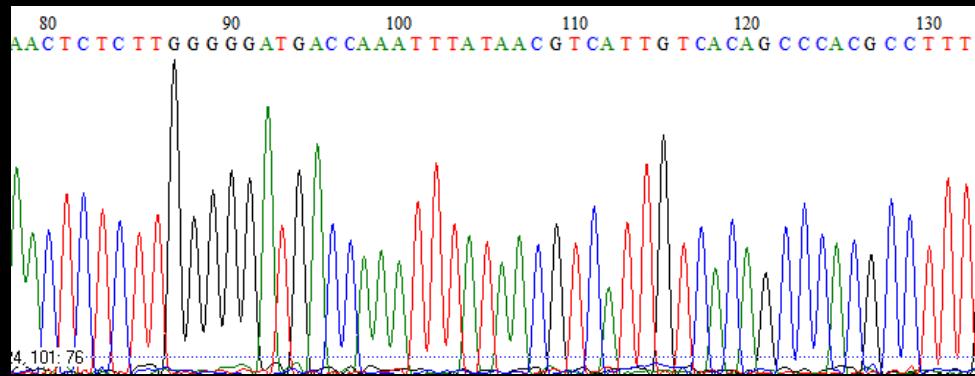
Endemske i ugrožene vrste

**Ekološki relevantne vrste i taksoni značajni
za očuvanje biološkog diverziteta**

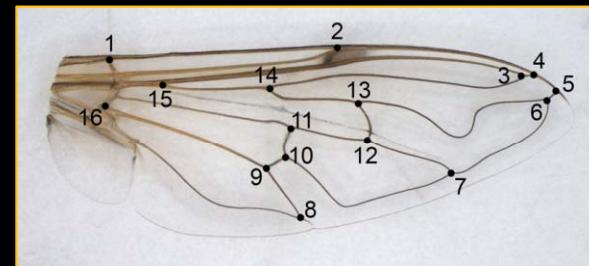


METODE

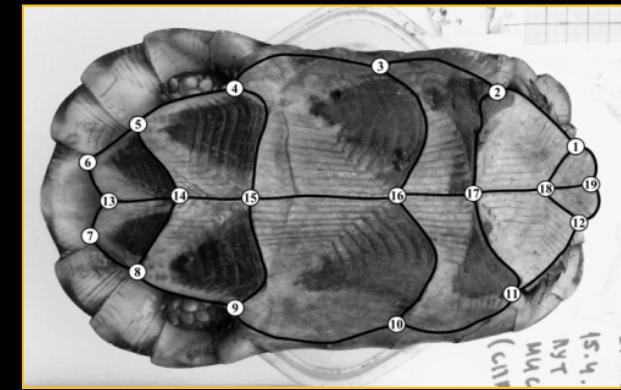
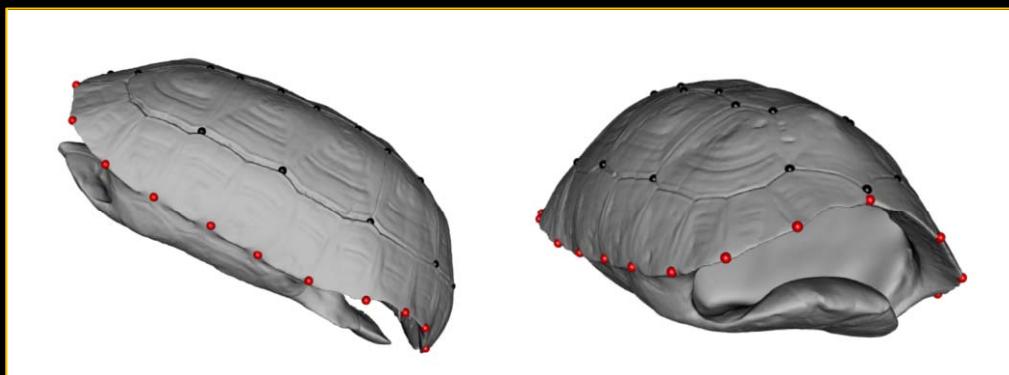
DNK podaci



2D GEOMETRIJSKA MORFOMETRIJA



3D GEOMETRIJSKA MORFOMETRIJA



Konzervaciona genetika i detekcija kriptičnog diverziteta

Syst. Biol. 65(2):304–327, 2016
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DOI:10.1093/sysbio/syv088
Advance Access publication November 24, 2015

Cryptic Species or Inadequate Taxonomy? Implementation of 2D Geometric Morphometrics Based on Integumental Organs as Landmarks for Delimitation and Description of Copepod Taxa

TOMISLAV KARANOVIC^{1,2,*}, MARKO DJURAKIC³, AND STEFAN M. EBERHARD^{4,5}

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Journal of Vector Ecology

June 2013

Genetic diversity and differentiation between Palearctic and Nearctic populations of *Aedimorphus* (=*Aedes*) *vexans* (Meigen, 1830) (Diptera, Culicidae)

Bosiljka Krtinić¹, Ljubinka Francuski², Dušan Petrić³, and Vesna Milankov²✉

Evolutionary Ecology Research, 2012, 14: 787–791

Conservation Biology: The Need for Multidisciplinary Approaches

J Insect Conserv (2011) 15:379–388
DOI 10.1007/s10841-010-9311-5

ORIGINAL PAPER

Phenotypic evidence for hidden biodiversity in the *Merodon aureus* group (Diptera, Syrphidae) on the Balkan Peninsula: conservation implication

Ljubinka Francuski · Jasmina Ludoški · Ante Vujić · Vesna Milankov



Biological Journal of the Linnean Society, 2013, 110, 257–280. With 9 figures

Genetic and phenotypic diversity patterns in *Merodon albifrons* Meigen, 1822 (Diptera: Syrphidae): evidence of intraspecific spatial and temporal structuring

VESNA MILANKOV^{1*}, JASMINA LUDOŠKI¹, LJUBINKA FRANCUSKI¹, GUNILLA STÄHLS² and ANTE VUJIĆ¹

Nestabilnost razvića

Evolutionary Ecology Research, 2012, 14: 933–950

Patterns of asymmetry in wing traits of three island and one continental population of *Merodon albifrons* (Diptera, Syrphidae) from Greece

Jasmina Ludoški¹, Marko Djurakic¹, Gunilla Ståhls² and Vesna Milankov¹

¹Department of Biology and Ecology, Faculty of Sciences, University of Novi Sad, Novi Sad, Serbia and ²Finnish Museum of Natural History, University of Helsinki, Helsinki, Finland

Bulletin of Entomological Research (2014) 104, 35–47
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doi:10.1017/S0007485313000461

Phenotypic variation of the housefly, *Musca domestica*: amounts and patterns of wing shape asymmetry in wild populations and laboratory colonies

J. Ludoški^{1*}, M. Djurakic¹, B. Pastor², A. I. Martínez-Sánchez², S. Rojo² and V. Milankov¹

Predeona genetika i prostorna distribucija fenotipskog diverziteta

Journal of Zoology

ZSL
LIVING CONSERVATION

Journal of Zoology. Print ISSN 0952-8369

Assessing spatial population structure and heterogeneity in the dronefly

L. Francuski & V. Milankov

Faculty of Sciences, Department of Biology and Ecology, University of Novi Sad, Novi Sad, Serbia

Journal of Zoology

ZSL
LIVING CONSERVATION

Journal of Zoology. Print ISSN 0952-8369

Landscape genetics and wing morphometrics show a lack of structuring across island and coastal populations of the drone fly in the Mediterranean

L. Francuski¹, M. Djurakic¹, G. Stähls² & V. Milankov¹

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² Finnish Museum of Natural History, University of Helsinki, Helsinki, Finland

JOURNAL OF APPLIED ENTOMOLOGY

J. Appl. Entomol.

ORIGINAL CONTRIBUTION

Integrative approach revealed contrasting pattern of spatial structuring within urban and rural biotypes of *Culex pipiens*

B. Krtinić¹, L. Francuski², J. Ludoški² & V. Milankov²

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JOURNAL OF ZOOLOGICAL SYSTEMATICS AND EVOLUTIONARY RESEARCH

Accepted on 17 February 2013
J. Zool. Syst. Evol. Res. doi: 10.1111/jzs.12017

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Department of Biology and Ecology, Faculty of Sciences, University of Novi Sad, Novi Sad, Serbia

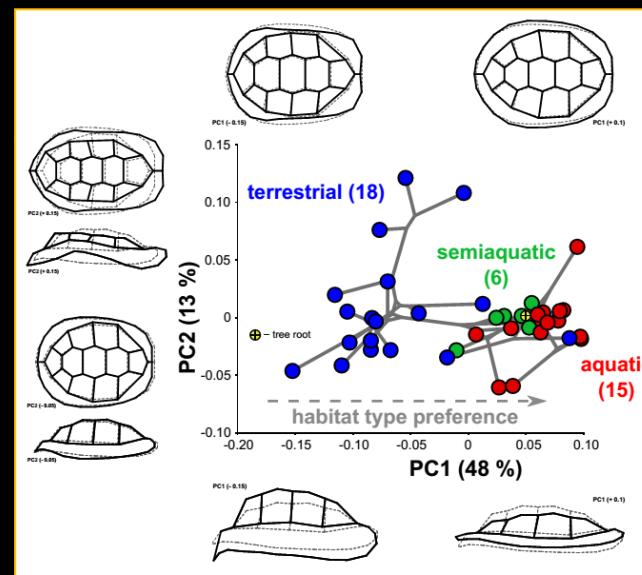
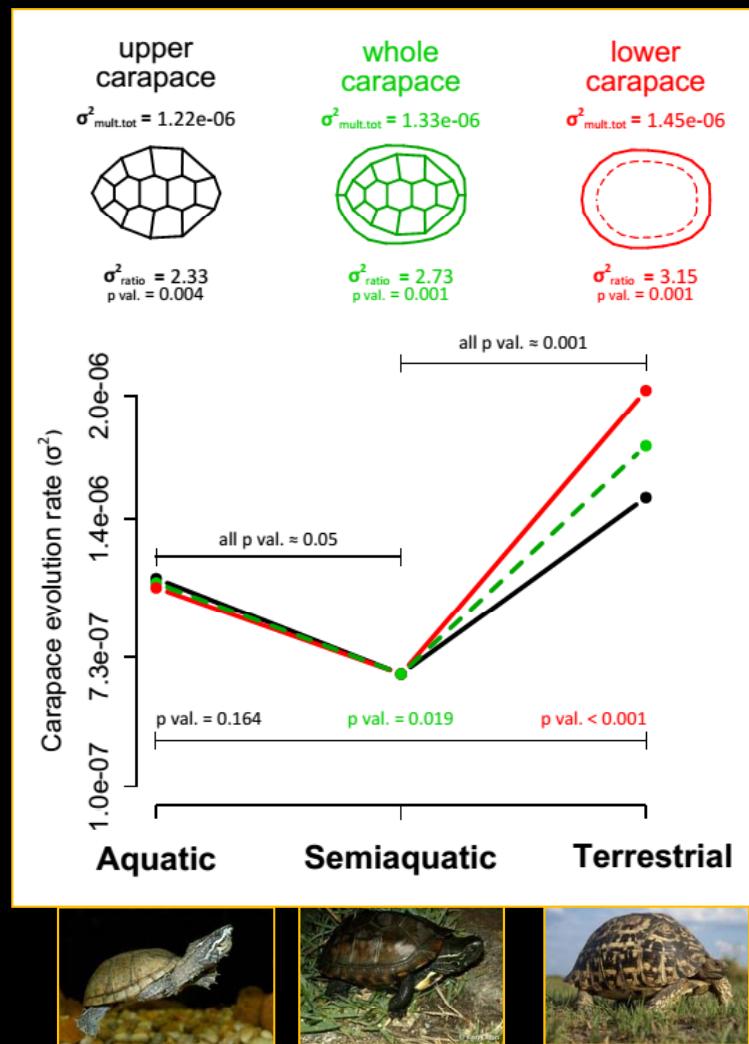
Landscape genetics and spatial pattern of phenotypic variation of *Eristalis tenax* across Europe

LJUBINKA FRANCUSKI, MARKO DJURAKIC, JASMINA LUDOŠKI and VESNA MILANKOV

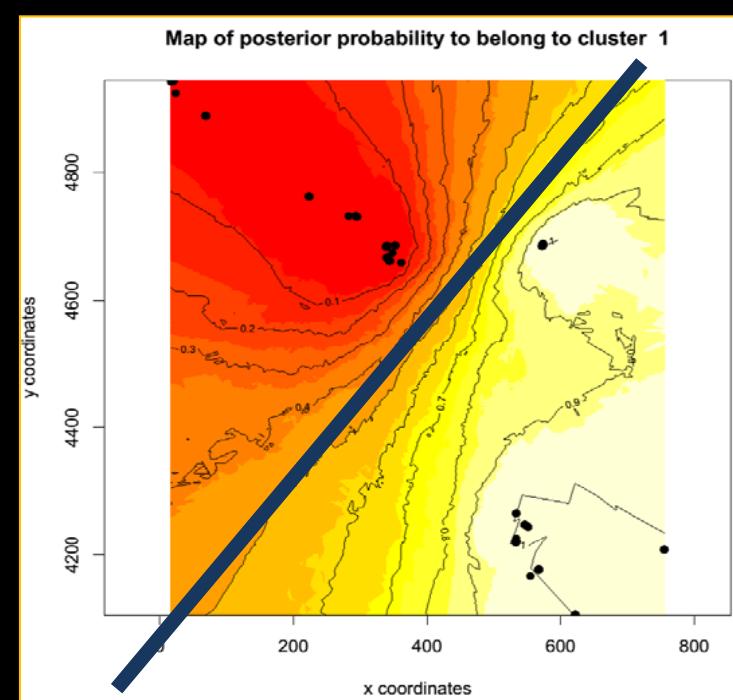
Forenzika ugroženih vrsta i vrsta pod CITES zaštitom pri nelegalnoj trgovini



Evoluciona morfologija

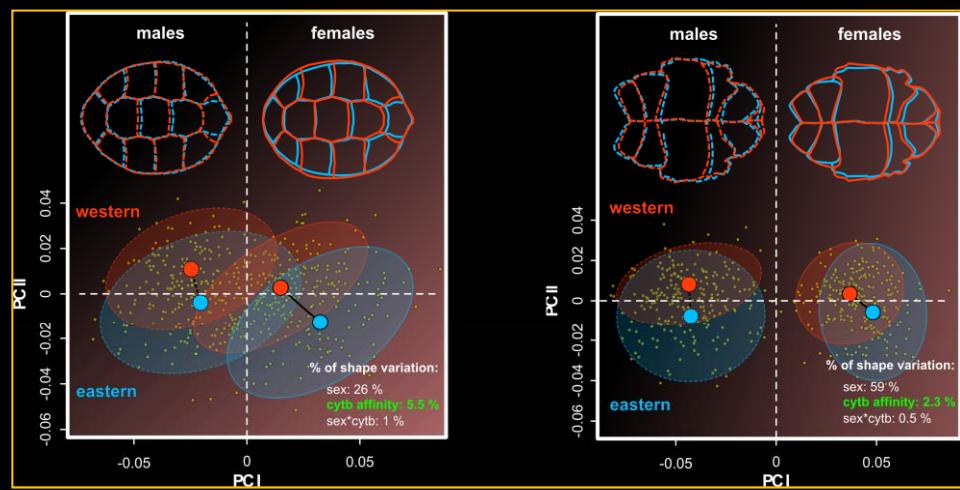
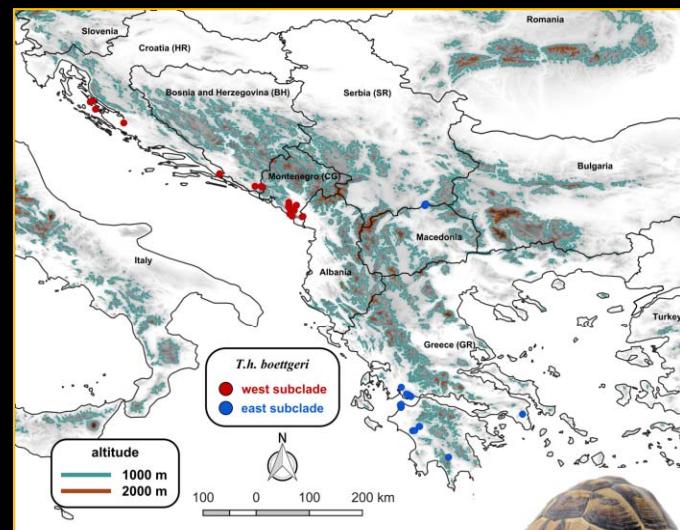
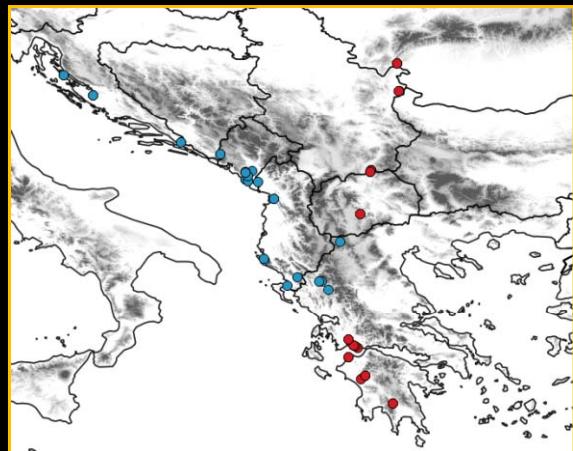
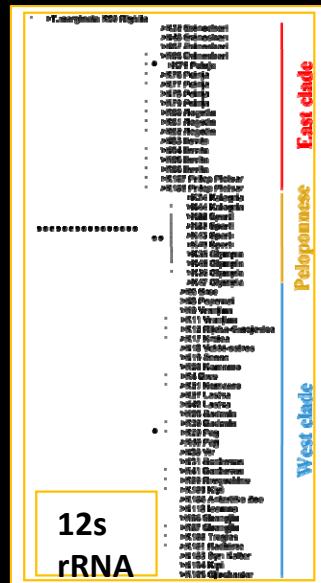


Filomorfogeografija



Evolucijski odnosi odabranih grupa organizama

Filogeografska struktuiranost vrsta i biogeografska istorija Balkanskog poluostrva



The emergence of phylomorphogeography: Contributions of mtDNA genealogy and morphological integration to the subspecies paradigm of the Eastern Hermann's tortoise

Marko DJURAKIC, Vesna MILANKOV

Naučna produkcija

2011 -

24 rada:	M21	15
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Dinamika genofonda, genetička i fenotipska varijabilnost populacija, u zavisnosti od promenljivosti sredina (173012)

Rukovodilac: akademik Marko Anđelković

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