

Ime i prezime	Datum	Naslov
		A fruitful endeavor: scent cues and echolocation behavior used by <i>Carollia castanea</i> to find fruit (2020)
		A novel pathway of nutrient absorption in crustaceans: branchial amino acid uptake in the green shore crab (<i>Carcinus maenas</i>) (2017)
		A physiological perspective on fisheries-induced evolution (2018)
		A physiological perspective on the ecology and evolution of partial migration (2019)
		A platform for rapid exploration of aging and diseases in a naturally short-lived vertebrate (2015)
Matea Jurišić	2.12.2021.	A review of the role of parasites in the ecology of reptiles and amphibians (2018)
		A simulated heat wave has diverse effects on immune function and oxidative physiology in the corn snake (<i>Pantherophis guttatus</i>) (2017)
		A snapshot-based mechanism for celestial orientation (2016)
		A tale of two islands: evidence for impaired stress response and altered immune functions in an insular pit viper following ecological disturbance (2020)
		Additive genetic variance and effects of inbreeding, sex and age on heterophil to lymphocyte ratio in song sparrows (2015)
		Ambush or active life: foraging mode influences haematocrit levels in snakes (2014)
		Anosmia impairs homing orientation but not foraging behaviour in free-ranging shearwaters (2017)
		Antarctic notothenoid fish: what are the future consequences of „losses“ and „gains“ acquired during long-term evolution at cold and stable temperatures? (2015)
		Anthropogenic noise and the bioacoustics of terrestrial invertebrates (2019)
Nikola Balić	9.12.2021.	Antioxidant enzyme activities vary with predation risk and environmental conditions in free-living passerine birds (2018)
		Aquatic adaptations in the nose of carnivorans: evidence from the turbinates (2011)
		Archerfish coordinate fin maneuvers with their shots (2021)
		Artificial light at night disturbs the activity and energy allocation of the common toad during the breeding period (2019)
		Avian physiology: are birds simply feathered mammals? (2020)
		Bat biology, genomes, and the Bat1K project: to generate chromosome-level genomes for all living bat species (2018)
		Beetle exoskeleton may facilitate body heat acting differentially across the electromagnetic spectrum (2017)
Nikolina Pastva	4.11.2021.	Behavioral and endocrine alterations to partner interactions and offspring care during periods of conflict (2020)
		Behavioral responses to immune-system activation in an anuran (the cane toad, <i>Bufo marinus</i>): field and laboratory studies (2011)
		Biomechanics of hover performance in neotropical hummingbirds versus bats (2018)
		Body shrinkage due to arctic warming reduces red knot (<i>Calidris canutus canutus</i>) fitness in tropical wintering range (2016)
Erna Tintor	23.12.2021.	Body size and immune defense of nestling blue tits (<i>Cyanistes caeruleus</i>) in response to manipulation of ectoparasites and food supply (2011)
		Cardiorespiratory adjustments to chronic environmental warming improve hypoxia tolerance in european perch (<i>Perca fluviatilis</i>) (2021)
		Cephalopod biology: at the intersection between genomic and organismal novelties (2020)
		Comparative ecophysiology of cold-tolerance-related traits: assessing range expansion potential for an invasive insect at high latitude (2015)
		Comparative genomics of cetartiodactyla: energy metabolism underpins the transition to an aquatic lifestyle (2021)
Jana Jančin	9.12.2021.	Complex interplay of body condition, life history, and prevailing environment shapes immune defenses of garter snakes in the wild (2013)
		Complex sensory environments alter mate choice outcomes (2021)
		Computational methods of studying the binding of toxins from venomous animals to biological ion channels: theory and applications (2013)
		Conservation and management of salmon in the age of genomics (2020)
		Cool gleaners: thermoregulation in sympatric bat species (2013)
		Crawling without wiggling: muscular mechanisms and kinematics of rectilinear locomotion in boa constrictors (2018)
		Crayfish eating in snakes: testing how anatomy and behavior affect prey size and feeding performance (2021)
		Current and time-lagged effects of climate on innate immunity in two sympatric snake species (2021)

		Decades of field data reveal that turtles senesce in the wild (2016)
		Defibrillate you later, alligator: Q10 scaling and refractoriness keeps alligators from fibrillation (2021)
Valentina Dolić	9.12.2021.	Development of endothermy in birds: patterns and mechanisms (2017)
		Developmental thermal plasticity of prey modifies the impact of predation (2015)
		Diel rhythms and sex differences in the locomotor activity of hawkmoths (2017)
Krunoslav Baotić	20.1.2022.	Differential posttranslational modification of mitochondrial enzymes corresponds with metabolic suppression during hibernation (2019)
		Digesting pythons quickly oxidize the proteins and save the lipids for later (2015)
Ana Josipa Jerončić	2.12.2021.	Dinosaur paleohistology: review, trends and new avenues of investigation (2019)
		Does melanin-based plumage coloration reflect health status of free-living birds in urban environments? (2021)
Ana Mrše	2.12.2021.	Dynamic digestive physiology of a female reproductive organ in a polyandrous butterfly (2015)
		Early-life stress has sex-specific effects on immune function in adult song sparrows (2015)
		Ecological, physiological, and morphological correlates of blood hemoglobin concentration in a migratory shorebird (2014)
Andrija Ivanišin	20.1.2022.	Ecology and neurobiology of fear in free-living wildlife (2020)
		Effects of early nutritional stress on physiology, life histories and their trade-offs in a model ectothermic vertebrate (2019)
		Effects of elevated temperature and pCO ₂ on the respiration, biomineralization and photophysiology of the giant clam <i>Tridacna maxima</i> (2021)
Ivan Blažević	9.12.2021.	Effects of flight activity and age on oxidative damage in the honey bee, <i>Apis mellifera</i> (2018)
		Effects of ocean acidification and salinity variations on the physiology of osmoregulating and osmoconforming crustaceans (2018)
		Efficient high-voltage protection in the electric catfish (2021)
Lana Jakopec	16.12.2021.	Electric eels concentrate their electric field to induce involuntary fatigue in struggling prey (2015)
		Electrocyte physiology: 50 years later (2013)
Tin Škugor	23.12.2021.	Elucidating the control and development of skin patterning in cuttlefish (2018)
		Embryonic temperature programs phenotype in reptiles (2020)
		Energetics of lizard embryos at fluctuating temperatures (2010)
		Environmental and biological context modulates the physiological stress response of bats to human disturbance (2018)
		Epigenetic potential affects immune gene expression in house sparrows (2021)
		Evidence for geomagnetic imprinting and magnetic navigation in natal homing for sea turtles (2015)
		Evolution and ecology of silent flight in owls and other flying vertebrates (2020)
		Evolution of herbivory in a carnivorous clade of minnows (Teleostei: Cyprinidae): effects on gut size and digestive physiology (2010)
		Evolution of sex-specific pace-of-life syndromes: genetic architecture and physiological mechanisms (2018)
		Evolved mechanisms of aerobic performance and hypoxia resistance in high-altitude natives (2019)
Ena Vilagoš	27.1.2022.	Exercise under heat stress: thermoregulation, hydration, performance implications, and mitigation strategies (2021)
		Experiments on the feeding behavior of the hematophagous candiru, <i>Vandellia cf. plazaii</i> (2001)
		Exploiting common senses: sensory ecology meets wildlife conservation and management (2021)
		Exploring the role of physiology and biotic interactions in determining elevational ranges of tropical animals (2013)
		Exposure to fluctuating temperatures leads to reduced immunity and to stress response in rattlesnakes (2019)
		Factors affecting energy expenditure in a declining fur seal population (2019)
		Fear is the mother of invention: anuran embryos exposed to predator cues alter life-history traits, post-hatching behaviour and neuronal activity patterns (2015)
		Field physiology: studying organismal function in the natural environment (2021)
		Fish locomotion: recent advances and new directions (2015)
		Flexible navigation response in common cuckoos <i>Cuculus canorus</i> displaced experimentally during migration (2015)
		Flight mode affects allometry of migration range in birds (2016)

		Foam nests provide context-dependent thermal insulation to embryos of three leptodactylid frogs (2015)
		Freezing behaviour facilitates bioelectric crypsis in cuttlefish faced with predation risk (2015)
Leon Petric	18.11.2021.	GABAergic anxiolytic drug in water increases migration behaviour in salmon (2016)
Matea Jurić	9.12.2021.	Genetic control of mosquitoes (2014)
Ivan Škegro	13.1.2022.	Genome of the Komodo dragon reveals adaptations in the cardiovascular and chemosensory systems of monitor lizards (2019)
		Genomic and physiological mechanisms underlying skin plasticity during water to air transition in an amphibious fish (2021)
		Growth and stress response mechanisms underlying post-feeding regenerative organ growth in the burmese python (2017)
Ivan Lučić	13.1.2021.	Gut microbiota: modulation of host physiology in obesity (2014)
		Habitat-specific divergence of air conditioning structures in bird bills (2017)
		Hawkmoths produce anti-bat ultrasound (2013)
		Heat hardening in a pair of <i>Anolis</i> lizards: constraints, dynamics and ecological consequences (2021)
Magdalena Litrić	16.12.2021.	Heat waves, the new normal: summertime temperature extremes will impact animals, ecosystems, and human communities (2018)
Matko Bazdan	23.12.2021.	Hibernation induces widespread transcriptional remodeling in metabolic tissues of the grizzly bear (2019)
		How do tiger moth jam bat sonar? (2011)
		How hornbills handle heat: sex-specific thermoregulation in the southern yellow-billed hornbill (2021)
		How individual variation in host tolerance affects competence to transmit parasites? (2019)
Karmen Radovčić	23.12.2021.	How locusts breathe (2013)
		How lovebirds manoeuvre rapidly using super-fast head saccades and image feature stabilization (2015)
		How seabirds plunge-dive without injuries (2016)
		Hunting in archerfish: an ecological perspective on a remarkable combination of skills (2018)
		Hydrodynamic detection and localization of artificial flatfish breathing currents by harbour seals (<i>Phoca vitulina</i>) (2017)
Ivana Listeš	11.11.2021.	If body fatness is under physiological regulation, then how come we have an obesity epidemic? (2014)
		Immunosenescence in wild animals: meta-analysis and outlook (2019)
		Impacts of short-term food restriction on immune development in altricial house sparrow nestlings (2015)
		Incubation temperature influences trade-off between structural size and energy reserves in mallard hatchlings (2015)
		Individual quality and phenology mediate the effect of radioactive contamination on body temperature in Chernobyl barn swallows (2020)
		In-flight turbulence benefits soaring birds (2016)
		Insect epigenetic mechanisms facing anthropogenic-derived contamination, an overview (2021)
		Insect gut physiology and nutrition: insights into diverse systems (2010)
		Insect odorscapes: from plant volatiles to natural olfactory scenes (2019)
		Integrated postprandial responses of the diamondback water snake, <i>Nerodia rhombifer</i> (2010)
		Integrating life history and physiology to understand latitudinal size variation in a damselfly (2008)
		Intestinal gases: Influence on gut disorders and the role of dietary manipulations (2019)
		Is aquatic life correlated with an increased hematocrit in snakes? (2011)
		Kinematics and aerodynamics of avian upstrokes during slow flight (2015)
		Late bloomers and baby boomers: ecological drivers of longevity in squamates and the tuatara (2014)
		Life on the edge: A comparative study of ecophysiological adaptations of frogs to tropical semiarid environments (2018)
Lucija Miličević	16.12.2021.	Light, sleep and performance in diurnal birds (
		Linking rising pCO ₂ and temperature to the larval development and physiology of the American lobster (<i>Homarus americanus</i>) (2016)
		Locomotor benefits of being a slender and slick sand swimmer (2015)
		Making olympic lizards: the effects of specialised exercise training on performance

		(2015)
		Managing anabolic steroids in pre-hibernating Arctic ground squirrels: obtaining their benefits and avoiding their costs (2014)
		Manta rays feed using ricochet separation, a novel nonclogging filtration mechanism (2018)
		Maternal effects of carotenoid consumption in guppies (<i>Poecilia reticulata</i>) (2008)
		Maternal thermal environment induces plastic responses in the reproductive life history of oviparous lizards (2014)
		Mechanical responses of rat vibrissae to airflow (2016)
		Metabolic flexibility in response to within-season temperature variability in house sparrows (2020)
Katarina Soža	2.12.2021.	Metabolism, gas exchange, and acid-base balance of giant salamanders (2012)
		Modulation of orthogonal body waves enables high maneuverability in sidewinding locomotion (2015)
Lea Milić	18.11.2021.	Molecular interactions underpinning the phenotype of hibernation in mammals (2019)
		More than breathing air: evolutionary drivers and physiological implications of an amphibious lifestyle in fishes (2021)
		Morphological characteristics of blood cells in monitor lizards: is erythrocyte size linked to actual body size? (2013)
		Muscle biochemistry of a pelagic delphinid (<i>Stenella longirostris longirostris</i>): insight into fishery-induced separation of mothers and calves (2017)
Ozren Mendaš	9.12.2021.	Neurobiology of monarch butterfly migration (2015)
Ana Marija Petrović	2.12.2021.	Neuroethology of number sense across the animal kingdom (2021)
		Novel ecological and climatic conditions drive rapid adaptation in invasive Florida burmese pythons (2019)
		Nuisance arthropods, nonhost odors, and vertebrate chemical aposematism (2010)
		Obese super athletes: fat-fueled migration in birds and bats (2018)
		Ocean change within shoreline communities: from biomechanics to behaviour and beyond (2019)
		Off-host physiological ecology of ixodid ticks (1991)
		Omega-3 long-chain polyunsaturated fatty acids support aerial insectivore performance more than food quantity (2016)
Marija Perović	13.1.2022.	Omics technologies for profiling toxin diversity and evolution in snake venom: impacts on the discovery of therapeutic and diagnostic agents (2020)
		Ontogeny and paleophysiology of the gill: new insights from larval and air-breathing fish (2012)
		Oxidative profile varies with personality in European greenfinches (2011)
Manuela Žugaj	23.12.2021.	Pain in dinosaurs: what is the evidence? (2019)
		Passive water collection with the integument: mechanisms and their biomimetic potential (2018)
		Performance, personality and energetics: correlation, causation and mechanism (2012)
		Physiological changes in post-hatchling green turtles (<i>Chelonia mydas</i>) following short-term fasting: implications for release protocols (2019)
Lucija Tomić	25.11.2021.	Physiological consequences of Arctic sea ice loss on large marine carnivores: unique responses by polar bears and narwhals (2021)
		Physiological consequences of consuming low-energy foods: herbivory coincides with a stress response in Yellowstone bears (2021)
		Physiological consequences of rising water salinity for a declining freshwater turtle (2019)
		Physiological constraints and latitudinal breeding season in the Canidae (2007)
		Physiological correlates of multiple parasitic infections in side-blotched lizards (2017)
		Physiological niche and geographical range in European diving beetles (Coleoptera: Dytiscidae) (2014)
		Physiological responses of gopher tortoises (<i>Gopherus polyphemus</i>) to trapping (2021)
		Physiological strategies during animal diapause: lessons from brine shrimp and annual killifish (2015)
		Polarisation signals: a new currency for communication (2019)
		Power transfer to a human during an electric eel's shocking leap (2017)
		Primate resting postures: constraints by foregut fermentation? (2017)
		Prioritizing blood flow: cardiovascular performance in response to the competing demands of locomotion and digestion for the burmese python <i>Python morulus</i> (2010)
		Proteomic analysis of cardiac response of thermal acclimation in the eurythermal goby fish <i>Gillichthys mirabilis</i> (2015)
		Pulmonary ventilation-perfusion mismatch: a novel hypothesis for how diving vertebrates

		may avoid the bends (2018)
Ivana Saraga	25.11.2021.	Quantifying energetic costs and defining energy landscapes experienced by grizzly bears (2021)
		Reexamining echidna physiology: the big picture for <i>Tachyglossus aculeatus acanthion</i> (2016)
		Re-evaluating the significance of the dive response during voluntary surface apneas in the bottlenose dolphin, <i>Tursiops truncatus</i> (2019)
		Responses of terrestrial polar arthropods to high and increasing temperatures (2021)
		Sex-specific microhabitat use is associated with sex-biased thermal physiology in <i>Anolis</i> lizards (2021)
		Remote navigation of turtle by controlling instinct behavior via human brain-computer interface (2016)
		Responses of migratory species and their pathogens to supplemental feeding (2018)
		Reviewing the effects of food provisioning on wildlife immunity (2018)
		RNA from trained <i>Aplysia</i> can produce an epigenetic engram for long-term sensitization in untrained <i>Aplysia</i> (2018)
		Root effect haemoglobins in fish may greatly enhance general oxygen delivery relative to other vertebrates (2015)
		Seahorse brood pouch transcriptome reveals common genes associated with vertebrate pregnancy (2015)
		Seasonal patterns and relationships among coccidial infestations, measures of oxidative physiology, and immune function in free-living house sparrows over an annual cycle (2015)
Lana Radevenjić	16.12.2021.	Selection for brain size impairs innate, but not adaptive immune responses (2016)
		Selection of endurance capabilities and the trade-off between pressure and volume in the evolution of the human heart (2019)
		Selectively bred oysters can alter their biomineralization pathways, promoting resilience to environmental acidification (2019)
		Sensitivities of an endemic, endangered California smelt and two non-native fishes to serial increases in temperature and salinity: implications for shifting community structure with climate change (2019)
		Separation of different pollen types by chemotactile sensing in <i>Bombus terrestris</i> (2017)
		Simultaneously occurring elevated metabolic states expose constraints in maximal levels of oxygen consumption in the oviparous snake <i>Lamprophis fuliginosus</i> (2017)
		Social immunity: emergence and evolution of colony-level disease protection (2017)
		Specific dynamic action: a review of the postprandial metabolic response (2009)
		Spectral discrimination in color blind animals via chromatic aberration and pupil shape (2016)
		Sprint sensitivity and locomotory trade-offs in green anole (<i>Anolis carolinensis</i>) lizards (2015)
		Stereo and serial sniffing guide navigation to an odour source in a mammal (2013)
		Steroid hormones in Pacific walrus bones collected over three millennia indicate physiological responses to changes in estimated population size and the environment (2021)
		Stress in atlantic salmon: response to unpredictable chronic stress (2015)
		Surviving in a frozen desert: environmental stress physiology of terrestrial antarctic arthropods (2014)
		Temperature-induced cardiac remodelling in fish (2017)
		The behavior-physiology nexus: behavioral and physiological compensation are relied on to different extent between seasons (2015)
		The Ander's organ: a mechanism for anti-predator ultrasound in a relict orthopteran (2021)
		The burmese python genome reveals the molecular basis for extreme adaptation in snakes (2013)
		The cost of digestion in fish-eating myotis bat (<i>Myotis vivesi</i>) (2015)
		The effect of winter sex ratio on immune function and condition in a differential migrant (2011)
		The effects of dietary cholesterol on metabolism and daily torpor patterns in siberian hamsters (2014)
		The embryos of turtles can influence their own sexual destinies (2019)
		The first whole genome and transcriptome of the cinereous vulture reveals adaptation in the gastric and immune defense systems and possible convergent evolution between the old and new world vultures (2015)
Lucija Marcelić	16.12.2021.	The genetics and epigenetics of animal migration and orientation: birds, butterflies and

		beyond (2018)
		The genome and transcriptome of Japanese flounder provide insights into flatfish asymmetry (2016)
Andrea Belamarić	11.11.2021.	The gut-brain axis in vertebrates: implications for food intake regulation (2021)
Branimira Čelić	16.12.2021.	The human foot functions like a spring of adjustable stiffness during running (2021)
		The impact of environmental acidification on the microstructure and mechanical integrity of marine invertebrate skeletons (2019)
Paula Šimunčić	25.11.2021.	The importance of temporal heterothermy in bats (2014)
		The intestinal guanilyn system and seawater adaptation in eels (2007)
		The lateral line confers evolutionarily derived sleep loss in the mexican cavefish (2017)
		The many roles of fats in overwintering insects (2018)
Jan Pantlik	27.1.2022.	The neural basis of escape behavior in vertebrates (2020)
		The neuroethology of avian brood parasitism (2021)
		The nutritional ecology of marine apex predators (2020)
		The olfactory chemosensation of hematophagous hemipteran insects (2021)
		The physiological responses of green sturgeon (<i>Acipenser medirostris</i>) to potential global climate change stressors (2014)
		The physiology of heat tolerance in small endotherms (2019)
Zoe Milošev	25.11.2021.	The physiology of optimizing health with a focus on exercise as medicine (2019)
Andro Zec	20.1.2021.	The potential of virtual reality for spatial navigation research across the adult lifespan (2019)
		The regulation of catecholamine release from the adrenal medulla is altered in deer mice (<i>Peromyscus maniculatus</i>) native to high altitudes (2019)
		The roller coaster flight strategy of bar-headed geese conserves energy during Himalayan migrations (2015)
		The silkmoth cocoon as humidity trap and waterproof barrier (2013)
Matej Kristan Mirković	13.1.2022.	The snake <i>Bothrops jararaca</i> (Squamata: Viperidae) is a suitable bioindicator of environmental exposure to cadmium: an experimental study (2019)
		The thermal ecology and physiology of reptiles and amphibians: A user's guide (2020)
		The visual ecology of <i>Holocentridae</i> , a nocturnal coral reef fish family with a deep-sea-like multibank retina (2021)
		Thermal adaptation revisited: how conserved are thermal traits of reptiles and amphibians? (2020)
		Thermoregulation in endothermic dung beetles (Coleoptera: Scarabaeidae): effect of body size and ecophysiological constraints in flight (2006)
Eva Marković	2.12.2021.	Thermoregulatory strategies of diving air-breathing marine vertebrates: a review (2020)
		Thermoregulatory variation among populations of bats along a latitudinal gradient (2010)
		Thrifty females, frisky males: winter energetics of hibernating bats from a cold climate (2017)
		Topsy-turvy: turning the counter-current heat exchange of leatherback turtles upside down (2015)
		Trade-offs among locomotor performance, reproduction and immunity in lizards (2016)
		Transcriptome profiling reveals sex-specific gene expressions in pupal and adult stages of the mosquito <i>Culex pipiens</i> (2021)
		Transcriptomic responses to environmental temperature in eurythermal and stenothermal fishes (2015)
		Trophic dynamics of scleractinian corals: stable isotope evidence (2015)
		TRPV4 associates environmental temperature and sex determination in the american alligator (2015)
		Ultraviolet filters in stomatopod crustaceans: diversity, ecology and evolution (2015)
		Understanding metrics of stress in the context of invasion history: the case of the brown treesnake (<i>Boiga irregularis</i>) (2021)
		Urbanization and elevated cholesterol in american crows (2019)
Dominik Guzalić	20.1.2022.	Vitiligo: mechanisms of pathogenesis and treatment (2020)
		Water bicarbonate modulates the response of the shore crab <i>Carcinus maenas</i> to ocean acidification (2018)
		Water deprivation compromises maternal physiology and reproductive success in a cold and wet adapted snake <i>Vipera berus</i> (2021)
Daria Sudac	25.11.2021.	We are upright-walking cats: Human limbs as sensory antennae during locomotion (2019)
		Western and Clark's grebes use novel strategies for running on water (2015)
		What determines systemic blood flow in vertebrates? (2020)
Dora Berger	20.1.2022.	Which traits influence bird survival in the city? A review (2021)
		Whiskers aid anemotaxis in rats (2016)
		Why arboreal snakes should not be cylindrical: body shape, incline and surface roughness

		have interactive effects on locomotion (2015)
Petra Perić	13.1.2022.	Why lungs keep time: circadian rhythms and lung immunity (2020)
		Zebras and biting flies: quantitative analysis of reflected light from zebra coats in their natural habitat (2016)