

Ime i prezime	Datum	Naslov
		Active foraging for toxic prey during gestation in a snake with maternal provisioning of sequestered chemical defences (2016)
		Adaptations to a hypoxic lifestyle in naked mole-rats (2022)
		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)
Vanda Rajak	14.12.2023.	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)
		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)
		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)
		Bat biology, genomes, and the Bat1K project: to generate chromosome-level genomes for all living bat species (2018)
		Beating the heat: military training and operations in the era of global warming (2023)
		Beetle exoskeleton may facilitate body heat acting differentially across the electromagnetic spectrum (2017)
		Behavioral responses to immune-system activation in an anuran (the cane toad, <i>Bufo marinus</i>): field and laboratory studies (2011)
Daniela Gašpar	21.12.2023.	Biological and ecological roles of external fish mucus: A review (2018)
		Biomechanics, motor control and dynamic models of the soft limbs of the octopus and other cephalopods (2023)
		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)
		Canine olfaction: physiology, behavior, and possibilities for practical applications (2021)
		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)
Matea Đuzel	14.12.2023.	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)

		Deadly proteomes: A practical guide to proteotranscriptomics of animal venoms (2020)
		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)
		Developmental thermal plasticity of prey modifies the impact of predation (2015)
		Diel rhythms and sex differences in the locomotor activity of hawkmoths (2017)
		Diet mediates thermal performance traits: implications for marine ectotherms (2022)
		Digesting pythons quickly oxidize the proteins and save the lipids for later (2015)
		Dinosaur paleohistology: review, trends and new avenues of investigation (2019)
		Dive performance and aquatic thermoregulation of the world's smallest mammalian diver, the american water shrew (<i>Sorex palustris</i>) (2022)
		Do predators prefer toxic animals? A case of chemical discrimination by an Asian snake that sequesters firefly toxins (2022)
		Does melanin-based plumage coloration reflect health status of free-living birds in urban environments? (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)
		Early and late migrating avian individuals differ in constitutive immune function and blood parasite infections – but patterns depend on the migratory strategy (2022)
		Ecological, physiological, and morphological correlates of blood hemoglobin concentration in a migratory shorebird (2014)
		Ecophysiological characteristics of wintering mute swan population in anthropogenically modified environments (2022)
		Ecophysiology of cognition: How do environmentally induced changes in physiology affect cognitive performance? (2016)
		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)
		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)
		Electric eels concentrate their electric field to induce involuntary fatigue in struggling prey (2015)
		Electrocyte physiology: 50 years later (2013)
		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)
Lara Krkanić	14.12.2023.	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)
		Examples of extreme survival: tardigrade genomics and molecular anhydrobiology (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)
		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)
		Flight rapidly modulates body temperature in freely behaving bats (2021)
		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)
		GABAergic anxiolytic drug in water increases migration behaviour in salmon (2016)
		Genetic control of mosquitoes (2014)
		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)
		Gut microbiota, host genetics and phenotypes in aquatic animals - a review (2023)
Elena Pirović	14.12.2023.	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)
		Hearing without a tympanic ear (2022)
		Heat hardening in a pair of <i>Anolis</i> lizards: constraints, dynamics and ecological consequences (2021)
		Heat waves, the new normal: summertime temperature extremes will impact animals, ecosystems, and human communities (2018)
		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)
		How locusts breathe (2013)
		How lovebirds manoeuvre rapidly using super-fast head saccades and image feature stabilization (2015)
		How octopus arm muscle contractile properties and anatomical organization contribute to arm functional specialization (2022)
		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)
		If body fatness is under physiological regulation, then how come we have an obesity epidemic? (2014)
Martina Kuzman	07.12.2023.	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)
	Leveraging physiology and artificial intelligence to deliver advancements in health care (2023)
	Life on the edge: A comparative study of ecophysiological adaptations of frogs to tropical semiarid environments (2018)
	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)
	Long distance homing in the cane toad (<i>Rhinella marina</i>) in its native range (2022)
	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)
	Metabolism, gas exchange, and acid-base balance of giant salamanders (2012)
	Modulation of orthogonal body waves enables high maneuverability in sidewinding locomotion (2015)
	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)
	Neurobiology of monarch butterfly migration (2015)
	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)
	Of corpses, ghosts and mirages: biomechanical consequences of morphology depend on the environment (2023)
	Off-host physiological ecology of ixodid ticks (1991)
	Omega-3 long-chain polyunsaturated fatty acids support aerial insectivore performance more than food quantity (2016)
	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)
	Pain in dinosaurs: what is the evidence? (2019)
	Parasitoid wasp venom manipulates host innate behavior via subtype-specific dopamine receptor activation (2022)
	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)
	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 effects of food availability times in higher vertebrates (2022)
	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)
	Physiologically vulnerable or resilient? Tropical birds, global warming, and redistributions (2023)
	Power transfer to a human during an electric eel's shocking leap (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)
	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)
	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)
	Rhythms and clocks in marine organisms (2023)
	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)
	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)
	Sex-specific microhabitat use is associated with sex-biased thermal physiology in <i>Anolis</i> lizards (2021)
	Simultaneously occurring elevated metabolic states expose constraints in maximal levels of oxygen consumption in the oviparous snake <i>Lamprophis fuliginosus</i> (2017)
	Snakes: slithering from sensory physiology to cognition (2023)
	Social immunity: emergence and evolution of colony-level disease protection (2017)
	Social stimuli increase activity of adult-born cells in the telencephalon of zebrafish (<i>Danio rerio</i>) (2021)
	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)
	Staying hydrated in seawater (2023)

		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)
		Stimulus-dependent orientation strategies in monarch butterflies (2022)
		Stress in atlantic salmon: response to unpredictable chronic stress (2015)
		Surviving in a frozen desert: environmental stress physiology of terrestrial antarctic arthropods (2014)
		Surviving in an acidifying ocean: acid-base physiology and energetics of the sea urchin larva (2023)
		Temperature-induced cardiac remodelling in fish (2017)
		The adrenal gland of Squamata (Reptilia) - a comparative overview (2023)
		The Ander's organ: a mechanism for anti-predator ultrasound in a relict orthopteran (2021)
Magdalena Tkalčić	21.12.2023.	The biology of Chernobyl (2021)
		The behavior-physiology nexus: behavioral and physiological compensation are relied on to different extent between seasons (2015)
		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)
		The function of the alula in avian flight (2015)
		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)
		The green bamboo pit viper, <i>Trimeresurus stejnegeri</i> , discriminates chemical stimuli among anuran species (2021)
		The gut-brain axis in vertebrates: implications for food intake regulation (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)
		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)
		The marine gastropod <i>Conomurex luhuanus</i> (Strombidae) has high-resolution spatial vision and eyes with complex retinas (2022)
		The molecular athlete: exercise physiology from mechanisms to medals (2023)
		The naked mole-rat as a model for healthy aging (2023)
		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)
Vala Medvedec	07.12.2023.	The physiology of optimizing health with a focus on exercise as medicine (2019)
		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)
		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)
		Thermoregulatory strategies of diving air-breathing marine vertebrates: a review (2020)
		Thermoregulatory variation among populations of bats along a latitudinal gradient (2010)
		Thirst and drinking in north american watersnakes (<i>Nerodia</i> spp.) (2021)
		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)
		Towards understanding the neural origins of hibernation (2022)
		Trade-offs among locomotor performance, reproduction and immunity in lizards (2016)
		Trade-offs (and constraints) in organismal biology (2022)
		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)
		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)
		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)
		Western and Clark's grebes use novel strategies for running on water (2015)
		What determines systemic blood flow in vertebrates? (2020)
		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)
		Why don't horseflies land on zebras? (2023)
		Why lungs keep time: circadian rhythms and lung immunity (2020)
		Withstanding cold nights at high elevation: thermal strategy of <i>Atractus crassicaudatus</i> , a nocturnal tropical snake endemic to the eastern Andes of Colombia (2023)
		Zebras and biting flies: quantitative analysis of reflected light from zebra coats in their natural habitat (2016)