

	Fully funded projects
	Projects funded with reduced budget
	Continuing projects from 2022

ID	DEPARTMENT	NAME OF THE PROJECT	PRINCIPAL INVESTIGATOR	BUDGET 2022 (Thousand CZK)
2023B0005	KGEV	Investigating cadmium isotope fractionation induced by plant uptake	Blanca Astray Uceda	145
2023B0010	KEKO	The role of leaf litter in plant interactions of open oak woodland communities	Jan Häusler	173
2023B0015	KEKO	What humans prefer may not meet animals' requirements: unique comparison of the human and dragonfly perspective on the environment	Anna-Marie Poskočilová	229
2023B0021	KGEV	FEASIBILITY STUDY TO USE NOVEL APPROACH SYNTHESIS CARBON NANO TUBES/ NANO ZEROVALANT IRON COMPOSITE MATERIAL FOR METAL CONTAMINATED WATER ENVIRONMENTAL REMEDIATION	Jafar Fathi	90
2023B0022	KGEV	The Fate and Uptake of Sewage Sludge-Originated Emerging Pollutants and Risk Elements in Winter Wheat; Niluka Wickramasinghe	Niluka Wickramasinghe	150
2023B0024	KEKO	Sex differences in adult longevity in insects: filling knowledge gaps by combining experimental and meta-analytic approaches	Barbora Žabová	396
2023B0028	KVHEM	Intercomparison of diurnal cycle of precipitation estimates over the global ocean in 2001-2020	Rajani Kumar Pradhan	159

2023B0036	KEKO	Phylogeographic and phylogenetic analyses of selected necrophagous species (Coleoptera: Staphylinoidea: Leiodidae and Silphinae): Insights into the evolutionary history and biogeography of key invertebrate decomposers	Liliana Patricia Sandoval Salinas	253
2023B0038	KEKO	Patterns of the internal egg temperature during incubation in a hot desert climate breeding shorebird – filling keystone knowledge gaps in our understanding of bird incubation	Kateřina Trejbalová	415
2023B0039	KPV	Ethnozoology of pangolins (Pholidota) in the Republic of the Congo	Markéta Swiacká	186
2023B0044	KEKO	Patterns of egg turning in ground-nesting biparental shorebirds	Lucie Peřková	235
2023B0045	KEKO	Monitoring of duck nests predation on Artificial Floating Islands	Monika Homolková	290.42
2023B0046	KPV	Modelování výšky lesa v ČR z družicových dat GEDI	Eliška Šárovcová	165
2023B0001	KVHEM	CHIMERA: Charting Hydrological Intensification of atMospheric fluxEs in Reanalysis data	Mijael Rodrigo Vargas Godoy	152
2023B0003	KPKS	Využití substrátu s biouhlem ve specifickém prostředí hnědouhelné výsypky	Kamila Hüttnerová	130
2023B0006	KVHEM	Multiproxy reconstruction of the Mediterranean Oscillation Index since 1000 CE	Arnau Sanz i Gil	130
2023B0007	KVHEM	Assessing changes in global land precipitation characteristics using multi-source data since the beginning of 20th century	Akbar Rahmati Ziveh	142

2023B0008	KVHEM	Intensification of the Hydrological Cycle over European Basins: Analysing the Effect of Potential Evapotranspiration	Vishal Thakur	123
2023B0009	KVHEM	Investigation of warming-induced shifts in the regional hydroclimate regimes over central Europe during the Holocene Climatic Optimum period	Shailendra Pratap	168
2023B0012	KPKS	Producing geographic information on public attitudes and visual preferences regarding wind energy development by the use of big-data analysis and machine learning	Ali Danesh	100
2023B0014	KAE	Vodní hospodářství ozeleněných budov - studie na nové budově MCEV III v areálu České zemědělské univerzity v Praze	Eliška Dvořáková	95
2023B0016	KPKS	ANALÝZA OKRAJŮ SÍDEL SE ZAMĚŘENÍM NA JEJICH VYUŽITÍ A PROPOJENÍ S VOLNOU KRAJINOU	Jan Maňas	100
2023B0017	KEKO	Thanatophilus sinuatus cold tolerance is associated with the beetle's age and not the duration of exposure	Santiago Montoya-Molina	58.971
2023B0018	KPKS	Vliv managementu obnovy výsypkových ploch na výskyt rovnokřídlého hmyzu.	Kristýna Weissová	100
2023B0019	KAE	Influence of microplastic load and type on the performance of constructed wetlands inoculated with arbuscular mycorrhizal fungi: A microcosm study	Kristina Kralj	189.886
2023B0020	KAE	Vliv solárního potenciálu v dopravním sektoru: datové výpočty pro tvorbu metodik a rámců energetického sektoru v dopravě;Ing. Martin Kadeřábek	Martin Kadeřábek	115.5
2023B0026	KVHAEM	Towards understanding the hydrological processes at the catchment scale: the descriptive power of observational data for the hydrological models	Hossein Abbasizadeh	117
2023B0029	KAE	Effect of Pyrite addition and Arbuscular mycorrhizal fungi inoculation in Constructed Wetland-Microbial Fuel Cell on the removal efficiency of effluents with different phosphorus concentrations.	Jifeng Li	164

2023B0032	KVHEM	Development of R package for different Budyko curve models with the integration of C++ for efficiently handling the big dataset	Ujjwal Singh	136
2023B0033	KEKO	Effects of wildflower strips on ground-dwelling arthropods across seasons	Alfredo Venturo	420.317
2023B0037	KPKS	Rekultivace a spontánní sukcese – vizuální a prožitkové preference	Gleb Tugushev	150
2023B0041	KAE	The interplay of reactive materials plant exudates and microorganisms in constructed wetlands: implications for the removal of organic micropollutants	Mayang Christy Perdana	142
2023B0023	KVHEM	Studying the sorption isotherm and kinetics modelling for removal of emerging organic contaminants from aqueous medium with green sorbent	Nayan Kumar	63
2023B0042	KVHEM	Evaluation of selected cropping systems with respect to the retention of plant available soil water during hydrologically extreme periods	Michael Hofbauer	197

2022B0028	KAE	The mechanism of removal of Pharmaceuticals and personal care products (PPCPs) in constructed wetlands (CWs) under aerobic and anaerobic conditions	Tongxin Ren	127
2022B0034	KAE	Časoprostorové změny ve vývoji trvalých travních porostů na území ČR	Helga Lehm	96.113
2022B0010	KAE	Indoor air quality of museums and libraries	Marie Válová	158
2022B0027	KAE	Integrated approach for the enhancement of the elimination of nitrates and herbicides in constructed wetlands for agricultural drainage treatment.	Priyanka Kumari	103

2022B0015	KAE	Road transportation and its impact on bird diversity in rural settlements	Štěpán Hladík	108
2022B0041	KEKO	Identifying hawksbill turtle (<i>Eretmochelys imbricata</i>) nesting stock structure and the source populations in illegal tortoiseshell trade in Sumatra	Adéla Hemelíková	107
2022B0045	KGEV	NEW NANOREMEDIATION APPROACHES FOR METAL(LOID) CONTAMINATION: ENVIRONMENTAL AND TOXICOLOGICAL ASPECTS	Šárka Lewandowská	296
2022B0002	KGEV	Improved biochar composition that increases nutrient availability in drought soil and plant growth	Carol Omara-Ojunga	200
2022B0008	KPKS	Modeling bio-physical and socio-economic determinants of tree planting in the Czech Republic: A spatio-temporal analysis	Saghi Movahhed Moghaddam	245
2022B0017	KPKS	Interaction of socio-economic and ecological effects of fishponds in Třeboň area	Ying Ge	162
2022B0007	KPKS	Stanovení rozdělení frakcí vodo-stabilních půdních agregátů pro půdní typy v odlišných klimatických podmínkách s porovnáním rozdílného využívání půdy a zjišťování přítomnosti mikroplastů	Radek Klíč	8
2022B0035	KPV	Vliv přírodních podmínek na měření výšek terénu a vegetace altimetry ICESat-2 a GEDI	Petra Pracná	386
2022B0003	KPV	SPACES: testing the SPectral variation hypothesis ACross Ecological Scales	Michela Perrone	120
2022B0026	KPV	Historické krajinné prvky v prostoru maloplošných chráněných území	Jan Fišer	174
2022B0040	KPV	Modelování distribuce vybraných druhů ptáků v rozdílných typech habitatů s přispěním dat o spektrální heterogenitě prostředí	Dominika Prajzlerová	309

2022B0025	KPV	Dálkový průzkum Země jako nástroj pro detekci kvalitativních a kvantitativních změn ve vybraných biotopech ČR	Jan Procházka	185
2022B0037	KVHEM	Vliv vybraných dřevin na infiltrační schopnosti	Marta Kuželková	115
2022B0038	KVHEM	Kilometre-Sized Flows on Mars: Controlling Factors and Geomorphology	Vojtěch Cuřín	210