

CURRICULUM VITAE



With my sons on the scientific expedition in the Rila Mts. in Bulgaria (2019)

Name: prof. RNDr. Michal Hejcman, Ph.D. et Ph.D.

Faculty of Environment, Jan Evangelista Purkyně University in Ústí nad Labem, Pasteurova 3544/1,
Ústí nad Labem CZ400 96, Czech Republic

E-mail: michal.hejcman@ujep.cz

Date of birth: 9th January 1976 (50 years old)

Nationality: Czech

Languages: Czech (native speaker), English (fluent), German (basic knowledge), Russian (basic knowledge)

Web of Science record (16th November 2023): number of publications – 155 (2003 – 2023), times cited without self-citations – 2672, H-index 32

Research ID: GFA – 6567-2022

Documentary movie about the research of Long Eneolithic Barrows (project GAČR 2021 – 2023): <https://www.ceskatelevize.cz/porady/15546183560-domy-mrtvych/>

Facebook profile link: <https://www.facebook.com/michal.hejcman.52>

The report of Czech television (together with short video in Czech) about our research (2021) of long prehistoric barrows in Czechia: <https://ct24.ceskatelevize.cz/veda/3386144-archeologove-zkoumaji-unikatni-pravekou-mohyly-u-ripu-meri-pres-30-metru-byl-v-ni>

The report of Czech television about our activities in the Open Air archaeological Museum Březno u Loun: <https://www.ceskatelevize.cz/porady/1126666764-toulava->

[kamera/219562221500041/video/725802?fbclid=IwAR1xhb8UoHLHqH0FPqPV5gYxmgd5ONllyHyxNK1RUvCWm2Zdce_JpS_vYQ](https://www.youtube.com/watch?v=6su1Bx3mnXo)

The report of Czech television (together with short video in Czech) about our research (2021) of long prehistoric barrows in Czechia: <https://ct24.ceskatelevize.cz/usteckykraj/3357268-pravekou-mohylu-u-hory-rip-objevili-archeologove-diky-barve-obili-ukryvala>

The report of Czech television (together with short video in Czech) about our long-term archaeological research project Tel Burna dig in Israel (cooperation with Prof. Shai from Ariel University): <https://ct24.ceskatelevize.cz/domaci/2551516-cesi-hledaji-v-izraeli-pozustatky-biblickych-pribehu-archeologum-pomahaji-geochemici>

The report about our research of ecosystems and abandoned viking farms on Iceland (short video in Czech): <https://www.youtube.com/watch?v=6su1Bx3mnXo>

The short movie about our archaeological project Tel Burna dig (director Prof. Shai, Ariel University) in Israel (in English): <https://www.youtube.com/watch?v=393C7E9GC7k>

The short preliminary movie about our archaeological project Long prehistoric barrows and the ritual prehistoric landscape in Czechia (in English): <https://youtu.be/m14BwA9H968>

The short video about our experiments with planting of prehistoric crops (experimental archaeology on my private garden) with einkorn, emmer and spelta (2016, in English): https://www.youtube.com/watch?v=FUWCm-O_KTY

The short video about harvest of our experiments with planting of emmer in open air archaeological museum Březno u Loun in Czech Republic (2021, in Czech): <https://www.facebook.com/michal.hejzman.52/posts/1193061791181169>

The discussion about food security in Europe (2020, in Czech): https://www.idnes.cz/technet/veda/potravinova-krize-zemedelstvi-michal-hejzman-fakulta-zivotniho-prostredi-czu.A200825_132358_veda_vse

Education

1990 – 1994 Agricultural High School in Hořice v Podkrkonoší, specialization: animal and crop production (farmer)

1994 – 1999 Faculty of Biological Sciences, University of South Bohemia in České Budějovice, specialization: geobotany (plant ecology, MSc. (Mgr.))

2003 – 2005 Czech University of Life Sciences in Prague – post gradual study (Ph.D.) in the field Ecology, specialization: grassland management, plant ecology, environmental policy

2007 Czech University of Life Sciences – habilitation (associated professor, doc.) in the field Ecology

2008 – 2010 Charles University in Prague - post gradual study (Ph.D.) in the field Botany, specialization: Effect of fertilizer application on grassland functioning, plant nutrition, soil chemical properties

2013 - University of Hradec Králové - post gradual study (Ph.D.) in the field Archeology, specialization: Use of geochemical, geobotanical and agricultural methods in archeology, history of agriculture, agriculture in prehistory, experiments with

- planting of prehistoric crops and with prehistoric agriculture generally, anthropocene
 2011 - Czech University of Life Sciences – University professor (prof.) in the field Ecology

Employment

- 1999 – Private farmer
 2000 – 2003 Krkonoše National Park Administration in Vrchlabí, expert for plant ecology, mountain agriculture and its history, Natura 2000,
 2003 – 2005 Czech University of Life Sciences in Prague, Department of Forage Crops and Grassland Management, expert for ecology and management of grasslands, agricultural history
 2005 – 2022 Czech University of Life Sciences in Prague, Department of Ecology, expert for plant ecology and management of grasslands, environmental archaeology, agroecosystems and soil science, the practical use of elemental analysis of archaeological soils and sediments, research team Human adaptability studies
 2007 –2021 Crop Research Institute Prague –Ruzyně, Division of Plant Nutrition, specialization: long-term fertilizer experiments, crop production, weed biology and management, history of agriculture

Professional experience

- 1997 Finland – Research of forest ecosystems
 2001 September – Stelvio National Park (Italy) – Research in mountain areas
 2002 June – Wageningen University (Holland) – Agriculture and nature conservation
 2002 July – August – Hardangervidda and Dovrefjell National Parks (Norway) – Research of tundra ecosystems
 2002 October – Snowdonia National Park (United Kingdom) – Natura 2000 and Agri–environmental schemes in Wales
 2003 October – George August University in Gottingen (Germany) – Livestock grazing and nature conservation
 2003 November – December – Cheikh Anta Diop University in Dakar (Senegal) – Nature conservation in West Africa, grazing ecology of antelopes
 2004 June – 20th General Meeting of the European Grassland Federation in Luzern (Switzerland)
 2004 June – University of Bonn (Germany) – Pasture Ecology Group Meeting
 2004 November – December – Cheikh Anta Diop University in Dakar (Senegal) – Research of savannah ecosystems
 200 June – University of Bonn (Germany) – research of long–term fertilization experiment
 2005 August – Occasional Symposium of the European Grassland Federation in Tartu (Estonia)
 2006 February – University of Bonn (Germany) – Lecture about using of multivariate data analysis in agronomical research of grasslands
 2006 June – University of Bonn (Germany) - Research of long term fertilizer experiment on the Rengen Grassland Farm.
 2007 April - University of Bonn (Germany) – Plant nutrition and long-term experiments, data analysis and preparation of manuscript and grant proposal.
 2007 June - University of Bonn (Germany) - Research of long term fertilizer experiment on the Rengen Grassland Farm.

- 2007 September – Occasional Symposium of the European Grassland Federation in Ghent (Belgium)
- 2007 September – INRA Toulouse (France) – Workshop: Long-term fertiliser experiments on grasslands
- 2007 November – Steinach Experimental Station (Germany, Bavaria) – Field meeting on long-term fertiliser experiment with Bavarian colleagues
- 2008 April – University of Bonn (Germany) – Analysis of data from long-term experiments, Steinach Experimental Station (Germany, Bavaria) – soil samples collection
- 2008 April – Delta de Saloum National Park (Senegal) – Data collection in the Fathala Reserve – diet selection of Western Giant Eland antelope.
- 2008 June - University of Bonn (Germany) – Data collection on the Rengen Grassland Experiment
- 2008 September – Steinach Experimental Station (Germany) – research of long-term fertilizer experiments
- 2008 September – October – INRA in Toulouse (France) - research of long-term fertilizer experiments, preparing of papers and project proposal
- 2009 January - University of Bonn (Germany) – Analysis of data from long-term experiments
- 2009 June – Crete (Greece) - Meeting of International Association for Vegetation Science
- 2009 June - University of Bonn (Germany) - Research of long term fertilizer experiment on the Rengen Grassland Farm.
- 2009 July – Trebišov (Slovakia) – Floristic course (vegetation of Eastern Slovakia)
- 2009 August – Dachstein Mts. (Austria) – vegetation of high mountains, excursion
- 2010 March – Technical University of Dresden (Germany) – Grassland Management Meeting
- 2010 May – Technical University of Munich in Friesing (Germany) – Long-term grassland experiments (excursion, invited lecture)
- 2010 June - University of Bonn (Germany) – Data collection on the Rengen Grassland Experiment
- 2010 July – University of Bayreuth (Germany) – Invited lecture
- 2010 August – Austria and Italy – Vegetation of the Alps (Grossglockner, Dolomites, Brennero pass) – field excursion
- 2010 September – University of Kiel (Germany) - 20th General Meeting of the European Grassland Federation.
- 2010 December – Comenius University in Bratislava (Slovakia) – Invited lecture
- 2011 January – Bavarian Forest National Park (Germany) – field excursion
- 2011 May - Technical University of Munich in Friesing (Germany) – Long-term grazing experiments, field work.
- 2011 June - University of Bonn (Germany) – Data collection on the Rengen Grassland Experiment
- 2011 June - Technical University of Munich in Friesing (Germany) – Long-term grazing experiments, field work.
- 2011 July and August – Altaj Mts. (Russia) – Scientific expedition and data collection - diet selection of herbivores.
- 2011 August – Agricultural Research and Education Centre (AREC) Raumberg-Gumpenstein (Austria) 16th Symposium of the European Grassland Federation
- 2011 October - Technical University of Munich in Friesing (Germany) – Long-term grazing experiments, field work.

- 2011 October – Meeting of botanical PhD. students from Slovakia, Czech Republic, Poland and Hungary in Piesočná (Slovakia).
- 2011 October – University of Bonn (Germany) – Data collection on the Rengen Grassland Experiment
- 2012 June – Lublin (Poland) 24th General Meeting of the European Grassland Federation.
- 2012 June – University of Bonn (Germany) – Data collection on the Rengen Grassland Experiment
- 2013 February and March – Altaj Mts. (Russia) – Scientific expedition and data collection about winter grazing of large herbivores and winter forage quality
- 2013 June – Akurejri (Island) 18th Symposium of the European Grassland Federation
- 2013 July - Bavaria (Germany) – Grassland farming in Bavarian Alps and Alpine flora, castles in Inn valey, Kufstein (Austria) – Festung, local natural history and archaeological museum
- 2013 July – Großenzer (Austria) – excursion on long-term fertilizer experiment, Carnuntum – archaeological museum, Hortobagy National Park (Hungary) – field excursion and data collection
- 2013 August – Harz Mts. (Brocken Mt.) (Germany) – field excursion, Kennenerland National Park (Netherland) – data collection, field excursion
- 2013 September – Hermeskaill (Germany) – archaeological research of Roman military camp, Namur (Belgium) – 3rd Symposium on the Biology of Non-Weedy Parasitic Plants.
- 2014 February – March (Iceland) - Winter feeding of livestock on Iceland, data collection
- 2014 June (Germany) – Kiel, Heithabu, Albertsdorf, Rengen, Trier, - data collection on the Rengen Grassland Experiment and study of vegetation, human and agricultural history.
- 2014 June (France) – Masiv Centrale, Field Excursion and Conference –
- 2014 July (Germany) – Study of Limes Romanus and Prehistoric settlements
- 2014 August (Austria) – Hallstat and Dachstein Plato – Study of prehistoric salt mining and vegetation above upper tree limit.
- 2014 September (United Kingdom) – Prehistoric settlements, EGF meeting, Wales
- 2015 March (Austria) – Raumberg – Gumpenstein research centre – Research of *Rumex obtusifolius* – workshop with farmers and researchers, Hallein – Keltic Museum
- 2015 May (Austria) – Admont – Data collection on long-term grassland experiment
- 2015 May (UK) – Butser ancient farm, Portmund Mary Rose museum, Stonehenge, White horse hill, conference about phosphorus and genom size
- 2015 June (Israel) Archaeological excavations of Tel Burna, Jerusalem old town, Israel museum, Tel Azeka, Tel Megiddo (Armageddon), Jaffa, Caesarea, Tel Afeq (Antipatris),
- 2015 August, September (Germany, Austria) Manching Celtic Museum, Hopf Museum, Berchtesgaden National Park – excursion - plant communities and alpine species, Salzburg Festung Museum
- 2015 October (Germany) Berlin – Naturkunde Museum, Pergamon museum
- 2016 May (Austria) – Viena, Geological conference, Roman museum, Naturkunde Museum
- 2016 June, July (Israel) Archaeological excavations of Tel Burna, Haifa, Akko -crusaders town, Sepphoris – Roman town, Masada fortrees, Dead Sea, Ein Gedi National Park, Tel Arad, Tel Beersheba, Tel Maresha, Tel Azekah, Bejt Guvrin National Park, Tel Qasile, Eretz Israel Museum
- 2017 June – Study of abandoned viking farms on Iceland, scientific expedition

2017 July, August – Kyrgyzstan – vegetation of Thian-shan Mts.
2017 – 2019 June, July (Israel) Archaeological excavations of Tel Burna
2018 January, February – Iceland, study of viking farms and agriculture
2018 June – study of *Rumex alpinus* in Austria and Italy
2019 July - study of *Rumex alpinus* in Romania and Bulgaria
2019.....September (Israel) cooperation with Ariel University, conference
2020 – 2021 covid19 break

Prices

2009 – The first price of the dean of the Faculty of Environmental Sciences for the best scientific and research results.
2010 – The first price of the dean of the Faculty of Environmental Sciences for the best scientific and research results.
2010 – The first price for the best paper in Applied Vegetation Science journal in year 2009
2012 – The third price of the dean of the Faculty of Environmental Sciences for the best scientific and research results.
2012 – The price of the director of the Crop Research Institute for the best scientific results.
2013 – The price of the rector of the Czech University of Life Sciences for the best scientific publication in the field of forestry
2014- The price of the rector of the Czech University of Life Sciences for the best scientific publication in the field of plant sciences
2014 – The third price of the dean of Faculty of Environmental Sciences for the best scientific and research results
2015- The price of the rector of the Czech University of Life Sciences for the best scientific publication in the field of animal nutrition
2022 - Two my PhD students received prices of rector of Czech University of Life Sciences for the best scientific publications.

Invited lectures

Ariel University, Israel 2023 - Application of soil analysis in archaeology on the example of long-barrows in Czech Republic
Kielce University, Poland 2022 – Geochemical analysis of archaeological soils
Agricultural University of Iceland 2014 – Agronomy, cropmarks and archaeology

Graduated PhD. students

2005 – Mgr. Pavla Nežerková, Ph.D. (Habitat assessment and conservation of Western Giant eland in Senegal (*Taurotragus derbianus derbianus* Gray 1847) in Senegal), Institute Tropics and Sub-tropics, Czech University of Life Sciences.
2008 – Ing. Dagmar Honsová, Ph.D. (Grassland management and its effect on sward and soil characteristics in the Czech Republic), Department of Forage Crops and Grassland Management, Czech University of Life Sciences.
2008 – Mgr. Ing. Michaela Klaudivová, Ph.D. (Effect of fertilizer application on vegetation of *Nardus* grasslands), Department of Forage Crops and Grassland Management, Czech University of Life Sciences.
2010 – Mgr. Veronika Křišťálová, Ph.D. (Ecology of broad-leaved dock (*Rumex obtusifolius* L.) and curled leaved dock (*Rumex crispus* L.)). Department of Ecology, Czech University of Life Sciences.
2011 – Ing. Lukáš Strnad, Ph.D. (Ecology and control of broad-leaved dock (*Rumex obtusifolius* L.) and curled dock (*Rumex crispus* L.)). Department of Ecology, Czech University of Life Sciences.

- 2011 – Mgr. Jan Mládek, Ph.D. (Selective livestock grazing and its consequences for functional vegetation properties and agronomic services of species-rich grasslands). Department of Botany, Palacký University Olomouc.
- 2014 – Ing. Lucie Chmelíková, Ph.D. (*Fabaceae* family – root systems), Czech University of Life Sciences.
- 2015 – Mgr. Vladimíra Müllerová, Ph.D. (Biology and ecology of broad-leaved dock (*Rumex obtusifolius* L.) and curled dock (*R. crispus* L.)), Czech University of Life Sciences.
- 2015 – Mgr. Pavla Mládková, Ph.D. (Modeling of nutrient cycling under different management of seminatural grasslands). Czech University of Life Sciences.
- 2016 – Mgr. et Mgr. Jan Horák, Ph.D. (Contamination of soils and sediments by risk elements in Kutná hora region and its use in palaeoenvironmental research). Czech University of Life Sciences.
- 2017 – Ing. Pavla Vachová, Ph.D. (Ecology of *Calamagrostis epigeios*). Czech University of Life Sciences.
- 2021 – Ing. Klára Pavlů, Ph.D. (Dynamic of nutrient content in the herbage from grasslands under different management). Czech University of Life Sciences.
- 2021- Mgr. Martin Janovský, Ph.D. (Multi-elemental analysis of archaeological soils). Czech University of Life Sciences
- 2022 – Ing. Michalel Opare Asare (Chemical signatures of archaeological soils in Europe and Africa), thesis prepared for the defence in January 2022

Graduated MSc. students

- 2007– Ing. Václav Valdman (Development of agricultural landscape around village Kolečovice close to Rakovník). Department of Ecology and Environment, Czech University of Life Sciences.
- 2008 – Ing. Jiří Benda (Effect of management on plant species composition of grassland). Department of Ecology and Environment, Czech University of Life Sciences.
- 2008 – Ing. Ondřej Havlík (Conservation of clonally reproduced plants from the genus *Allium*). Department of Ecology and Environment, Czech University of Life Sciences.
- 2008 – Ing. Miloš Krump (Ecology of *Hypericum perforatum* and *H. maculatum* – comparative study), Department of Ecology and Environment, Czech University of Life Sciences.
- 2008 – Ing. Petr Polák (The spread and control of *T. latifolia* (broad-leaved cattail) in the Jizera Mts.). Department of Ecology and Environment, Czech University of Life Sciences.
- 2009 – Ing. Lucie Chmelíková (Family *Fabaceae* – root systems)
- 2009 – Ing. Pavel Brázdil (Comparison of *Rumex obtusifolius* and *R. crispus* germination)
- 2009 – Ing. Radek Adam (Proposal of the project for restoration of gene pool area of beech (*Fagus sylvatica*))
- 2009 – Ing. Luděk Bella (Eland antelopes in ZOO Dvůr Králové nad Labem – assessment of relate sex in offsprings)
- 2009 – Ing. Barbora Kočí (Effect of long-term fertilizer application on plant species composition of grassland)
- 2009 – Ing. Lukáš Křídlo (Reconstruction of preparatory stands at the forest district Petrovice)
- 2009 – Ing. Radek Hejda (Biodiversity and the analysis of natural conditions in the nature reserve Červená louka)
- 2009 – Ing. Pavlína Pokorná (Grazing behaviour of sheep and goats on species rich steppe grassland)

- 2010 – Ing. Pavla Nedvědová (Vegetation of former military area Oldřichov near Písek)
- 2010 – Ing. Sochorová Lenka (Effect of fertilizer application on soil and biomass chemical properties and plant species composition in alluvial grassland)
- 2010 – Ing. Petr Šrek (Monitoring of risk metals in agricultural ecosystems after long-term fertilizers application)
- 2011 – Ing. Petr Jiras (Effect of nitrogen availability and substrate on germination of *Pulsatilla* species)
- 2011 – Ing. Jana Hrdličková (Effect of nutrient availability on production and germination of *Rumex crispus* and *R. obtusifolius* seeds)
- 2011 – Ing. Martin Šultys (Effect of environmental conditions on growth of *Vinca minor* L.)
- 2011 – Ing. Ivana Kindlová (Use of GIS technologies in mapping of the public velure and monumental trees)
- 2011 – Ing. Martina Bochenková (Ecology of *Pulsatilla pratensis*)
- 2012 – Ing. Kristýna Červená (Ecology of broad-leaved docks *Rumex obtusifolius* and *Rumex crispus* with respect to their mineral nutrition)
- 2012 – Ing. Václav Klikoš (Phenology of buds braking of *Picea abies*)
- 2013 – Ing. Veronika Hodaňová (Effect of fertilizer application on content of risk elements in winter bread wheat)
- 2014 – Ing. Jiří Doskočil (Genetical structure of *Vinca minor* in Czech Republic)
- 2015 – Ing. Jana Alexandrová (Chemical signature of scattering gardens)
- 2015 – Ing. Martina Berková (Contamination of arable fields by risk elements)
- 2017 – Ing. et Ing. Michaela Jungová (Effect of long-term fertilizer application on content of risk elements in grassland soils)
- 2020 – Ing. Biswas Ramgopal (Estimation of intensity of settlement activities in the Early Medieval Hillfort Královice according to accumulation of anthropogenic elements in the soil)
- 2020 – Ing. Tajani Noheem (Soil contamination by risk elements in Awotan dumpsite, Ibadan Nigeria)

Graduated Bc. students

- 2007 – Bc. Lenka Sochorová (*Cephalanthera* spp. – ecology and endangerment)
- 2009 – Bc. Martin Ševčík (Reconstruction of forests in the Ore Mts.)
- 2009 – Bc. Jana Hrdličková (Ecology of *Rumex obtusifolius* and *R. crispus* – seed dormancy and effect of nutrients on their germination)
- 2009 – Bc. Olga Čermáková (Changes in vegetation of broad-leaved dry grassland (*Bromion erecti* alliance) caused by various management)
- 2009 – Bc. Kateřina Chytrá (Analysis of organic farming in the Czech Republic)
- 2010 – Bc. Kateřina Fričová (Effect of nutrients availability on competitive ability of *Rumex crispus* and *Rumex obtusifolius* in grasslands)
- 2010 – Bc. Kristýna Červená (Ecology of *Rumex obtusifolius* and *R. crispus* – effect of N, P and K availability on growth of plants)
- 2012 – Bc. Michal Loučka (The influence of natural conditions on the percentage of alpha bitter substances in *Humulus lupulus*)
- 2012 – Bc. Pavla Staňková (Use of nitrogen isotopes for identification of Middle ages fertilization)
- 2012 – Bc. Martina Berková (Effect of fertilizer application on concentration of risk elements in cereasls)
- 2012 – Bc. Jiří Jaroš (State and development of forests in the area of Penčické valley in the resrve Voděradské bučiny)
- 2015 – Bc. Michaela Patáková (Effect of long-term fertilizer application on content of elements in bread wheat)

- 2016 – Bc. Kateřina Haběťínková (Comparison of grain yields and nutritive values of einkorn, emmer and spelta wheats produced by prehistoric technology)
- 2016 – Bc. Marek Moučka (Determination of content of risk elements in different plant species in the old metal mining area Lukavice near Chrudim)
- 2017 – Bc. Oleg Zych (Content of elements in the ash of common woody species)
- 2018 – Bc. Jakub Fišera (Effect of skislopes on mountain ecosystems)
- 2019 – Bc. Jiří Vašák (Effect of abandoned viking farms on soil chemical properties and on vegetation on Iceland)
- 2020 – Bc. Mariya Musya (Effect of fertilizer application on yield of potatoes and content of macro, micro, and risk elements in tubers)
- 2020 – Bc. Anna Pešlová (Burning of faces of horses and chemical signatures of ashes)
- 2020 – Bc. Přemysl Král (Chemical signatures of archaeological soils in deserted medieval settlement Svídna)
- 2021 – Bc. Martina Markacsová (Accumulation of anthropogenic elements in archaeological soils of Butovice Hillfort)

Membership in PhD. boards (Czech University of Life Sciences)

Ecology (2007 – 2022)

Applied Ecology (2007 - 2018)

Dendrology and Genetics of Woody Plants (2007 - 2018)

Membership in Scientific Boards

Scientific Board of the Faculty of Environmental Sciences (Czech University of Life Sciences 2008 - 2020)

Scientific Board of the Faculty of Forestry and Wood Sciences (Czech University of Life Sciences, 2008 - 2011)

Membership in Editorial Boards

Grass and Forage Science (advisory editor)

Plant, Soil and Environment

IANSA – Interdisciplinaria Archaeologica – Natural Sciences in Archaeology

Membership in Scientific Organizations

Czech Botanical Society (1997 -)

International Association for Vegetation Science (2009 - 2012)

Membership in Grant Agencies

Czech Science Foundation (2011 - 2013)

Participation on projects

VaV MŽP 610/3/00 Complex analyses of long term changes in the Giant Mountains tundra (2000–2004), co–investigator

GAČR 526/03/0528 Effect of various management on the grassland vegetation in the mountain areas (2003–2005), co–investigator

VaV MŽP 620/4/03 Effect of livestock grazing on the grassland vegetation in the Krkonoše National Park (2003–2005), co–investigator

MŠMT 2B06012 Bio-diversity management in the Šumava and in the Giant Mts., (2006–), co-investigator (43120/1334/3301)

NAZV QH 72217 Control of *Rumex* species in grasslands under organic farming, (2007 - 2010), co-investigator (42110/1424/4214)

VaV MŽP SP/203/179/07 Functional types of plants and their diversity as an indicators of various management of grasslands, (2007 -), co-investigator (42110/1432/4302)

GAČR 521/08/1131 Effect of long-term fertilization on grassland functioning (2008 – 2012), investigator (42110/1411/4101)

MŽP VZ: 60006515 – Czech Republic Development Cooperation – Support to Nature Reserves and National Parks in Senegal (2007 – 2009), co-investigator (participant)

ECONET (France) – Cooperation of researches from France and other countries, (2007 – 2009), participant.

75 - Impact of acidification on soil and water sources (2009 -), Germany (Bavaria) – Czech cooperation project, co-investigator

MZE 0002700604 Systems for sustainable cultivation of agricultural crop plants and production of high-quality and safe foodstuffs, feedstuffs and raw materials, (2009-2011), co-investigator

GAČR 505/12/1390 Biology of hemiparasitic *Rhinanthoid Orobanchaceae*: scaling up from physiology to community level processes, co-investigator (2012 - 2015)

NAZV QJ1210211 The Use of Long-term fertilizer experiments for the analysis of risk elements entrance into the food chain (2012 - 2016), co-investigator

EU, Interreg SN/CZ (10026499)9 Sustainable grassland management for supporting biodiversity, 2016-2020, participant

EU, Interreg CZ/PL (CZ.114.120/0.0/0.0/16_026/0001092) Grassland biomass as a renewable source of energy - Biodiversity-Biomass-Biogas, 2017-2021, participant

MŠMT LTC19016 Geochemical insight into non-destructive archaeological research (2019 – 2022), participant

GAČR 21-25440S Eneolithic long barrows in Bohemia and reconstruction of the ritual landscape around the hill of Říp (2021 – 2023), co-investigator

IGA UJEP Research of the Etrusco-Roman site of Bufalareccia/Tolfa (IT) using modern interdisciplinary and experimental methods (2024 – 2026), investor

Reviewer for international journals

Acta Agriculturae Scandinavica, Section B – Plant and Soil Science

Acta Oecologica

Agriculture, Ecosystems and Environment

Analytical Letters

Annals of Botany

Applied Vegetation Science

Biologia

CLEAN – Soil, Air, Water

Czech Journal of Animal Studies

Ecological Research

Environmental Monitoring and Assessment

Field Crops Research

Flora

Folia Geobotanica

Grass and Forage Science

Journal of Applied Ecology

Journal of Environmental Management

Journal of Pest Science

Journal of Plant Nutrition and Soil Science

Journal of Vegetation Science

Plant Biosystems
Plant Ecology
Plant and Soil
Plant, Soil and Environment
Plos One
Preslia
Restoration Ecology
Scientia Horticulturae
Weed Research
Weed Science
And many others

Reviewer for Czech national journals

Opera Corcontica
Acta Rerum Naturalium

Reviewer for Grant Agencies

Czech Science Foundation (GAČR)
Grant Agency of Charles University (GAUK)
The Grand Agency of the Academy of Sciences of Czech Republic (GAAV)
Czech National Agency for Agricultural Research (NAZV)

Teaching area at the Czech University of Life Sciences

Plant Ecology (2/2 whole course, two semesters, 2005 - 2006)
Agroecosystems (2/1 whole course, 15 semesters, 2007 - 2021)
Agroecosystems – field exercise (0/1 whole course, 15 semesters, 2007 - 2015)
Geobotany (2/1 whole course, 9 semesters, 2009 – 2015, 2021)
Non-forest Vegetation (1/2 whole course, 15 semesters, 2007 - 2021)
Management of Ecosystems (2/1 two lectures, three semesters, 2006 -2008)
Ecology and Ecological methods (2/1 two lectures, two semesters, 2005 - 2021)
Methods in Ecosystems Studies (2/1 17 lectures, nine semesters, 2005 -2021)
Protection of Environment (2/1 four lectures, four semesters, 2005 - 2008)
Complex Field Exercise (a week field work with students – plant species determination, 17 semesters, 2005 – 2021)

Teaching area at the Charles University

Agroecosystems (2/0 whole subject, one semester, 2011)

Teaching area at the Masaryk University

Agroecosystems (2/0 whole subject, two semesters, 2007 - 2008)

Teaching area at the Palacký University

Agroecosystems (2/0 whole subject, one semester, 2009; invited lectures in 2006 and 2007)

Publication activity

1. Papers in scientific journals with impact factor according to WOS (155)

- Asare, MO., Midula, P., Oravová, L., Kuráň, P., Hejcman, M. (2024): Elemental composition of post-wildfire biomass ashes and partly burned woody species in Bohemian Switzerland National Park, Czech Republic. *Environmental Science and Pollution Research* 31: 54785-54803.
- Rouhani, A., Shadloo, S., Naqibzadeh, A., Hejcman, M., Derakhsh, M. (2023): Pollution and Health Risk Assessment of Heavy Metals in the Soil Around an Open Landfill Site in a Developing Country (Kazerun, Iran). *Chemistry Africa* 6: 2139-2149.
- Jungová, M., Asare, M.O., Hejcman, M., Hakl, J., Pavlů, V. (2023): Distribution and Resorption Efficiency of Macroelements (N, P, K, Ca, and Mg) in Organs of *Rumex alpinus* L. in the Alps and the Giant (Krkonoše) Mountains.. *Journal of Soil Science and Plant Nutrition* 23: 469-484.
- Rouhani A., Makki M., Hejcman M., Shirzad R., Gusiatin MZ. (2023): Risk Assessment and Spatial Distribution of Heavy Metals with an Emphasis on Antimony (Sb) in Urban Soil in Bojnourd, Iran. *Sustainability* 15: 3495.
- Rouhani A., Shadloo S., Niqibzadeh A., Hejcman M., Derakhsh M. (2023): Pollution and Health Risk Assessment of Heavy Metals in the Soil Around an Open Landfill Site in a Developing Country (Kazerun, Iran). *Chemistry Africa-A Journal of the Tunisian Chemical Society* 6: 2139-2149.
- Jungová M., Jurasová VM., Čepková PH., Svobodová LL., Svoboda P., Hejcman M. (2023): Origin and genetic variability of populations of the invasive plant *Rumex alpinus* L. in the Giant (Krkonoše) Mountains. *Ecology and Evolution* 13: e10145.
- Rouhani, A., Gusiatin, M.Z., Hejcman, M. (2023) An overview of the impacts of coal mining and processing on soil: assessment, monitoring, and challenges in the Czech Republic. *Environmental Geochemistry and Health*, 45: 7459-7490
- Roubík H., Lošťák M., Ketauma CT., Soukupová J., Procházka P., Hruška A., Hakl J., Páček L., Karlík P., Mensiková LK., Jurasová V., Ogbu CA., Hejcman M. (2023): COVID-19 crisis interlinkage with past pandemics and their effects on food security. *Globalisation and Health* 19: 52.
- Grison H., Janovský P., Lisá L., Hasil J., Štefan I., Hron K., Hejcman M. (2023): Magnetic and geochemical record of soil impacted by 300 years of Early medieval settlement. *Catena* 231: 107368.
- Křišťuf P., Janovský MP, Turek J, Horák J, Ferenczi L, Hejcman M. (2023): Neolithic long barrows were built on the margins of settlement zones as revealed by elemental soil analysis at four sites in the Czech Republic. *Journal of Archaeological Science* 160: 105881.

- Asare MO, Hejcman M. (2022): *Effect of tree species on the elemental composition of wood ashes and their fertilizer values on agricultural soils. Global Change Biology Bioenergy* 14: 1321 – 1335.
- Jungova M, Asare MO, Hejcman M, Hakl J, Pavlů V, 2022. Distribution and Resorption Efficiency of Macroelements (N, P, K, Ca, and Mg) in Organs of *Rumex alpinus* L. in the Alps and the Giant (Krkonoše) Mountains. *Journal of Soil Science and Plant Nutrition*.
- Jungová M., Asare MO., Jurasová V., Hejcman M. (2022): Distribution of micro- (Fe, Zn, Cu, and Mn) and risk (Al, As, Cr, Ni, Pb, and Cd) elements in the organs of *Rumex alpinus* L. in the Alps and Krkonose Mountains. *Plant and Soil* 477: 553 – 575.
- Pavlů L., Poetsch EM., Pavlů VV., Titěra J., Hejcman M., Gaisler J., Hopkins A. (2022): The Admont Grassland Experiment: 70 years of fertilizer application and its effects on soil and vegetation properties in an alluvial meadow managed under a three-cut regime. *Science of the Total Environment* 808, 152081. DOI 10.1016/j.scitotenv.2021.152081
- Asare MO., Afriyie OJ., Hejcman M., Jungová M. (2021): Can wood ashes of commonly planted tree species in Ghana be applied as fertilizers? *Waste and Biomass Valorization*, 13: 1043 - 1058.
- Asare MO., Afriyie OJ., Hejcman M. (2020): Analysis of physical and chemical characteristics of Anthrosols-The case of former Bremen missionary's settlement in Ghana. *Soil use and Management*, 38: 741 – 756.
- Asare MO., Šmejda V., Horák J., Holodňák P., Černý M., Pavlů V., Hejcman M. (2020): Human burials can affect soil elemental composition for millennia-analysis of necrosols from the Corded Ware Culture graveyard in the Czech Republic. *Archaeological and Antropological Sciences* 12, 255.
- Asare MO., Horák J., Šmejda L., Janovský M., Hejcman M. (2020): A medieval hillfort as an island of extraordinary fertile Archaeological Dark Earth soil in the Czech Republic. *European Journal of Soil Science* 72, 98 – 113.
- Asare MO., Apoh W., Afriyie JO., Horák J., Šmejda L., Hejcman M. (2020): Traces of German and British settlement in soils of the Volta Region of Ghana. *Geoderma Regional* 21: e00270.
- Janovský M., Horák J., Ackerman O., Tavger A., Cassuto D., Šmejda L., Hejcman M., Anker Y., Shai I. (2020): The contribution of POSL and PXRf to the discussion on sedimentary and site formation processes in archaeological contexts of the southern Levant and the interpretation of biblical strata at Tel Burna. *Quaternary International*, Early access.
- Titěra J., Pavlů V. V., Pavlů L., Hejcman M., Gaisler J., Schellberg J. (2020): Response of grassland vegetation composition to different fertilizer treatments recorded over ten years following 64 years of fertilizer applications in the Rengen Grassland Experiment. *Applied Vegetation Science* 23: 417-427.
- Janovský M., Karlík P., Horák J., Šmejda L., Opáre MO., Beneš J., Hejcman M. (2020): Historical land-use in an abandoned mountain village in the Czech Republic is reflected by the Mg, P, K, Ca, V, Cr, Mn, Fe, Ni, Cu, Zn, Rb, Zr, and Sr content in contemporary soils. *Catena* 187: 104347.
- Teodoro M., Hejcman M., Vítková M., Wu SL., Komárek M. (2020): Seasonal fluctuations of Zn, Pb, As and Cd contents in the biomass of selected grass species growing on

- contaminated soils: Implications for in situ phytostabilization. *Science of the Total Environment* 703: 134710.
- Gaisler J., Pavlů L., Nwaogu C., Pavlů K., Hejcman M., Pavlů VV. (2019): Long-term effects of mulching, traditional cutting and no management on plant species composition of improved upland grassland in the Czech Republic. *Grass and Forage Science* 74: 463-475.
- Hejcmanová P., Mirejivská M., Homolka P., Hejcman M (2019): Drivers of diet selection of critically endangered Western Derby eland during the food shortage period within conservation breeding in Senegal. *Scientific Reports* 9: 8712.
- Hlísnikovský L., Hejcman M., Kunzová E., Menšík L. (2019): The effect of soil-climate conditions on yielding parameters, chemical composition and baking quality of ancient wheat species *Triticum monococcum* L., *Triticum dicoccum* Schrank and *Triticum spelt* L. in comparison with modern *Triticum aestivum* L.. *Archives of Agronomy and Soil Science* 65: 152–163.
- Horák J., Janovský M., Hejcman M., Šmejda L., Klír T. (2018): Soil geochemistry of medieval arable fields in Lovetin near Trest, Czech Republic. *Catena* 162: 14–22.
- Šmejda L., Hejcman M., Horák J., Shai I. (2017): Multi-element mapping of anthropogenically modified soils and sediments at the Bronze to Iron Ages site of Tel Burna in the southern Levant. *Quaternary International* 483: 111–123.
- Šmejda L., Hejcman M., Horák J., Shai I. (2017): Ancient settlement activities as important sources of nutrients (P, K, S, Zn and Cu) in Eastern Mediterranean ecosystems - The case of biblical Tel Burna, Israel. *Catena* 156: 62–73.
- Šupek S., Pavlů V., Pavlů L., Gaisler J., Hejcman M., Ludvíková V., Mikulka J. (2017): Effects of long-term grazing management on dandelion (*Taraxacum officinale*) in *Agrostis capillaris* grassland. *Grass and Forage Science* 72: 516-523.
- Hujerová R., Pavlů L., Pavlů V., Hejcman M., Gaisler J. (2017): Dynamics of above-ground and below-ground biomass of *Rumex crispus*, *Rumex obtusifolius* and the new weedy species *Rumex hybrid* cv. OK-2 (R-patientia x R-tianschanicus) in the seeding year. *Weed Research* 57: 81-90.
- Chmelíková L., Hejcman M. (2012): Root system variability in common legumes in Central Europe. *Biologia* 67: 116–125.
- Chmelíková L., Hejcman M. (2012): Effect of nitrogen, phosphorus and potassium availability on emergence, nodulation and growth of acidicole *Trifolium arvense* L. in alkaline soil. *Flora* 207: 805–811.
- Chmelíková L., Hejcman M. (2013): Effect of nitrogen, phosphorus and potassium availability on emergence, nodulation and growth of *Trifolium medium* L. in alkaline soil. *Plant Biology* 16: 717–725.
- Chmelíková L., Wolfrum S., Schmid H., Hejcman M., Hülsbergen K. J. (2014): Seasonal development of biomass yield in grass-legume mixtures on different soils and development of above- and belowground organs of *Medicago sativa*. *Archives of Agronomy and Soil Science* 61: 329–346.
- Chmelíková L., Wolfrum S., Schmid H., Hejcman M., Hülsbergen K. (2015): Seasonal development of above- and below-ground organs of *Trifolium pratense* in grass-legume mixture on different soils. *Journal of Plant Nutrition and Soil Science* 178: 13–24.

- Bochenková M., Karlík P., Hejčman M. (2015): Effect of nitrogen, appendage removal, locality, and year on seed germination of the endangered dry grassland species *Pulsatilla pratensis* (L.) Mill. *Propagation of Ornamental Plants* 15: 154–162.
- Chytrý M., Hejčman M., Hannekens S. M., Schellberg J. (2009): Changes in vegetation types and Ellenberg indicator values after 65 years of fertilizer application in the Rengen Grassland Experiment, Germany. *Applied Vegetation Science* 12: 167–176.
- Duffková R., Hejčman M., Libichová H. (2015): Effect of cattle slurry on soil and herbage chemical properties, yield, nutrient balance and plant species composition of moderately dry Arrhenatherion grassland. *Agriculture, Ecosystems and Environment* 213: 281–289.
- Gaisler J., Hejčman M., Pavlů V. (2004): Effect of different mulching and cutting regimes on the vegetation of upland meadow. *Plant, Soil and Environment* 50: 324–331.
- Gaisler J., Pavlů V., Hejčman M. (2006): Effect of Mulching and Cutting on weed species in an upland meadow. *Journal of Plant Diseases and Protection* 20: 831–836.
- Gaisler J., Pavlů V., Hejčman M. (2008): Effect of different defoliation practices on weeds in an upland meadow. *Journal of Plant Diseases and Protection* 21: 541–546.
- Gaisler J., Pavlů V., Pavlů L., Hejčman M. (2013): Long-term effects of different mulching and cutting regimes on plant species composition of mountain *Festuca rubra* grassland. *Agriculture, Ecosystems and Environment* 178: 10–17.
- Gojda M., Hejčman M. (2012): Cropmarks in main field crops enable the identification of a wide spectrum of buried features on archaeological sites in Central Europe. *Journal of Archaeological Science* 39: 1655–1664.
- Hakl J., Hrevušová Z., Hejčman M., Fuksa P. (2012): The use of a rising plate meter to evaluate lucerne (*Medicago sativa* L.) height as an important agronomic trait enabling yield estimation. *Grass and Forage Science* 67: 589–596.
- Hejčman M., Auf D., Gaisler J. (2005): Year-round cattle grazing as an alternative management of hay meadows in the Giant Mts. (Krkonoše, Karkonosze), The Czech Republic. *Ekologia – Bratislava* 24: 419–429.
- Hejčman M., Berková M., Kunzová E. (2013): Effect of long-term fertilizer application on concentrations of elements (N, P, K, Ca, Mg, As, Cd, Cu, Cr, Fe, Mn, Ni, Pb, Zn) in grain of spring barley. *Plant Soil and Environment* 59: 329–334.
- Hejčman M., Češková M., Pavlů V. (2010): Control of *Molinia caerulea* by cutting management on sub-alpine grassland. *Flora* 205: 577–582.
- Hejčman M., Dvořák I., Kociánová M., Pavlů V., Nežerková P., Vitek O., Rauch O., Jeník J. (2006): Snow depth and vegetation pattern in a late-melting snow-bed analyzed by GPS and GIS in the Giant Mountains, Czech Republic. *Arctic, Antarctic, and Alpine Research* 38: 90–98.
- Hejčman M., Hejčmanová P., Pavlů V., Beneš J. (2013): Origin and history of grasslands in Central Europe – a review. *Grass and Forage Science* 68: 345–363.
- Hejčman M., Hejčmanová P., Stejskalová, M., Pavlů V. (2014): Nutritive value of winter collected annual twigs of main European woody species, mistletoe and ivy and its possible consequences for winter foddering of livestock in prehistory. *The Holocene* 24: 659–667.
- Hejčman M., Hejčmanová P., Pavlů V., Thorhallsdottir A. G. (2016): Forage quality of leaf fodder from the main woody species in Iceland and its potential use for livestock in the past and present. *Grass and Forage Science* 71: 649–658.
- Hejčman M., Karlík P., Ondráček J., Klír T. (2013): Short-term medieval settlement activities irreversibly changed forest soils and vegetation in Central Europe. *Ecosystems* 16, 652–663.

- Hejcman M., Klaudivová M., Hejcmanová P., Pavlů V., Jones M. (2009): Expansion of *Calamagrostis villosa* in sub-alpine *Nardus stricta* grassland: Cessation of cutting management or high nitrogen deposition? *Agriculture, Ecosystems and Environment* 129: 91-96.
- Hejcman M., Klaudivová M., Schellberg J., Honsová D. (2007): The Rengen Grassland Experiment: plant species composition after 64 years of fertilizer application. *Agriculture, Ecosystems and Environment* 122: 259-266.
- Hejcman M., Češková M., Schellberg J., Pätzold S. (2010): The Rengen Grassland Experiment: effect of soil chemical properties on biomass production, plant species composition and species richness. *Folia Geobotanica* 45: 125-142.
- Hejcman M., Klaudivová M., Štursa J., Pavlů V., Hakl J., Schellberg J., Hejcmanová P., Rauch O., Vacek S. (2007): Revisiting a 37 years abandoned fertilizer experiment on *Nardus* grassland in the Czech Republic. *Agriculture, Ecosystems and Environment* 118: 231-236.
- Hejcman M., Křišťálová V., Červená K., Hrdličková J., Pavlů V. (2012): Effect of nitrogen, phosphorus and potassium availability on mother plant size, seed production and germination ability of *Rumex crispus*. *Weed Research* 52: 260-268.
- Hejcman M., Kunzová E. (2010): Sustainability of winter wheat production on sandy-loamy Cambisol in the Czech Republic: results from a long-term fertilizer and crop rotation experiment. *Field Crops Research* 115: 191-199.
- Hejcman M., Kunzová E., Šrek P. (2012): Sustainability of winter wheat production over 50 years of crop rotation and N, P and K fertilizer application on illimerized luvisol in the Czech Republic. *Field Crops Research* 139: 30-38.
- Hejcman M., Müllerová V., Vondráčková S., Száková J., Tlustoš P. (2014): Establishment of *Bryum argenteum* and concentrations of elements in its biomass on soils contaminated by As, Cd, Pb and Zn. *Plant Soil and Environment* 60: 489-495.
- Hejcman M., Nežerková P., Pavlů V., Gaisler J., Lokvenc T., Pavlů L. (2005): Regeneration of *Nardus stricta* subalpine grasslands in the Giant Mountains (Krkonoše). *Acta Societatis Botanicorum Poloniae* 74: 253-258.
- Hejcman M., Ondráček J., Smrž Z. (2011): Ancient waste pits with wood ash irreversibly increase crop production in Central Europe. *Plant and Soil* 339: 341-350.
- Hejcman M., Pavlů V., Hejcmanová P., Gaisler J., Hakl J., Rauch O. (2006): Farmer decision making and its effect on the subalpine grassland succession in the Giant Mountains, Czech Republic. *Acta Societatis Botanicorum Poloniae* 75: 165-174.
- Hejcman M., Schellberg J., Pavlů V. (2010): Long-term effects of cutting frequency and liming on soil chemical properties, biomass production and plant species composition of *Lolio-Cynosuretum* grassland after the cessation of fertilizer application. *Applied Vegetation Science* 13: 257-269.
- Hejcman M., Schellberg J., Pavlů V. (2011): Competitive ability of *Rhinanthus minor* L. in relation to productivity in the Rengen Grassland Experiment. *Plant, Soil and Environment* 57: 45-51.
- Hejcman M., Schellberg J., Pavlů V. (2010): *Dactylorhiza maculata*, *Platanthera bifolia* and *Listera ovata* survive N application under P limitation. *Acta Oecologica* 36: 684-688.
- Hejcman M., Smrž Z. (2010): Cropmarks in stands of cereals, legumes and winter rape indicate sub-soil archaeological features in the agricultural landscape of Central Europe. *Agriculture, Ecosystems and Environment* 138: 348-354.
- Hejcman M., Sochorová L., Pavlů V., Strobach J., Diepolder M., Schellberg J. (2014): The Steinach Grassland Experiment: soil chemical properties, sward height and plant

- species composition in three cut alluvial meadow after decades-long fertilizer application. *Agriculture, Ecosystems and Environment* 184: 76–87.
- Hejcman M., Součková K., Kristuf P., Peška J. (2013): What questions can be answered by chemical analysis of recent and paleosols from the Bell Beaker barrow (2500 - 2200 BC) in Central Moravia, the Czech Republic? *Quaternary International* 316: 179–189.
- Hejcman M., Součková K., Gojda M. (2013): Prehistoric settlement activities changed soil pH, nutrient availability, and growth of contemporary crops in Central Europe. *Plant and Soil* 369: 131–140.
- Hejcman M., Strnad L., Hejcmanová P., Pavlů V. (2012): Effects of nutrient availability on performance and mortality of *Rumex obtusifolius* and *R. crispus* in unmanaged grassland. *Journal of Pest Science* 85: 191–198.
- Hejcman M., Strnad L., Hejcmanová P., Pavlů V. (2014): Biological control of *Rumex obtusifolius* and *R. crispus* by goat grazing. *Weed Biology and Management* 14: 115–120.
- Hejcman M., Strnad L., Hejcmanová P., Pavlů V. (2012): Response of plant species composition, biomass production and biomass chemical properties to high N, P and K application rates in *Dactylis glomerata*- and *Festuca arundinacea*-dominated grassland. *Grass and Forage Science* 67: 488–506.
- Hejcman M., Száková J., Schellberg J., Šrek P., Tlustoš P. (2009): The Rengen Grassland Experiment: soil contamination by trace elements after 65 years of Ca, N, P and K fertiliser application. *Nutrient Cycling in Agroecosystems*. 83: 39–50.
- Hejcman M., Száková J., Schellberg J., Šrek P., Tlustoš P., Balík J. (2010): The Rengen Grassland Experiment: bryophytes biomass and element concentrations after 65 years of fertilizer application. *Environmental Monitoring and Assessment* 166: 653–662.
- Hejcman M., Száková J., Schellberg J., Tlustoš P. (2010): The Rengen Grassland Experiment: relationship between soil and biomass chemical properties, the amount of applied elements and their uptake. *Plant and Soil* 333: 163–179.
- Hejcman M., Vondráčková S., Müllerová V., Červená K., Száková J., Tlustoš P. (2012): Effect of quick lime and superphosphate additives on emergence and survival of *Rumex obtusifolius* seedlings in acid and alkaline soils contaminated by As, Cd, Pb, and Zn. *Plant, Soil and Environment* 58: 561–567.
- Hejcman M., Žáková I., Bílek M., Bendová P., Hejcmanová P., Pavlů V., Stránská M. (2008): Sward structure and diet selection after sheep introduction on an abandoned grassland in the Giant Mts., Czech Republic. *Biologia* 63: 506–514.
- Hejcmanová P., Hejcman M., Camara A. A., Antonínová M. (2010): Exclusion of livestock grazing and wood collection in dryland savanna: an effect on long-term vegetation succession. *African Journal of Ecology* 48: 408–417.
- Hejcmanová P., Homolka M., Antonínová M., Hejcman M., Podhájecká V. (2010): Diet composition of Western Derby eland (*Taurotragus derbianus derbianus*) in dry season in a natural and a managed habitat in Senegal using faeces analyses. *South African Journal of Wildlife Research* 40: 27–34.
- Hejcmanová P., Pokorná P., Hejcman M., Pavlů V. (2016): Phosphorus limitation relates to diet selection of sheep and goats on dry calcareous grassland. *Applied Vegetation Science* 19: 101–110.
- Hejcmanová P., Stejskalová M., Pavlů V., Hejcman M. (2009): Behavioural patterns of heifers under intensive and extensive continuous grazing on species rich pasture in the Czech Republic. *Applied Animal Behaviour Science* 117: 137–143.
- Hejcmanová P., Stejskalová, M., Hejcman, M. (2014): Forage quality of leaf-fodder from main broad-leaved woody species and its possible consequences for the

- Holocene development of forest vegetation in Central Europe. *Vegetation History and Archeobotany* 23: 607–613.
- Hejzmanová P., Vymyslická P., Koláčková K., Antonínová M., Policht R., Stejskalová M., Hejzman M. (2011): Suckling behaviour of eland antelopes (*Taurotragus* spp.) under semi-captive and farm conditions. *Journal of Ethology* 29: 161–168.
- Hejzmanová P., Vymyslická P., Žáčková M., Hejzman M. (2013): Does supplemental feeding affect behaviour and foraging of critically endangered Western Giant eland in an *ex situ* conservation site? *African Zoology* 48: 250–258.
- Hejzmanová-Nežerková P., Hejzman M. (2006): A canonical correspondence analysis (CCA) of the vegetation–environment relationships in Sudanese savannah, Senegal. *South African Journal of Botany* 72: 256–262.
- Hejzmanová-Nežerková P., Hejzman M., Camara A. A., Antonínová M., Pavlů V., Černý T., Bâ A. T. (2005): Analysis of herbaceous undergrowth in woody savanna in Fathala Reserve, Delta du Saloum National Park, Senegal. *Belgian Journal of Botany* 138: 119–128.
- Hlásná Čepková P., Karlík P., Viehmannová I., Müllerová V., Šmejda L., Hejzman M. (2016): Genetic and leaf-trait variability of *Vinca minor* at ancient and recent localities in Central Europe. *Biochemical Systematics and Ecology* 64: 22–30.
- Hlisnikovský L., Kunzová E., Klír J., Hejzman M. (2014): Effect of fertilization and crop rotation on yields and sugar content of sugar beet. *Listy cukrovarnické a řepařské* 130/2: 50–56.
- Hlisnikovský L., Kunzová E., Hejzman M., Dvořáček V. (2015): Effect of fertilizer application, soil type, and year on yield and technological parameters of winter wheat (*Triticum aestivum*) in the Czech Republic. *Archives of Agronomy and Soil Science* 61: 33–53.
- Hlisnikovský L., Muhlachová G., Kunzová E., Hejzman M. (2016): Changes of risky element concentrations under organic and mineral fertilization. *Plant Soil and Environment* 62: 355–360.
- Honsová D., Hejzman M., Klaudivsová M., Pavlů V., Kocourková D., Hakl J. (2007): Species composition of an alluvial meadow after 40 years of applying nitrogen, phosphorus and potassium fertilizer. *Preslia* 79: 245–258.
- Horák J., Hejzman M. (2013): Use of trace elements from historical mining for alluvial sediment dating. *Soil and Water Research* 8, 77–86.
- Horák J., Hejzman M. (2016): 800 years of mining and smelting in Kutná Hora region (Czech Republic) - spatial and multivariate meta-analysis of contamination studies. *Journal of Soils and Sediments* 16: 1584–1598.
- Horák J., Hejzman M. (2016): Contamination characteristics of the confluence of polluted and unpolluted rivers – range and spatial distribution of contaminants of a significant mining centre (Kutná Hora, Czech Republic). *Soil and Water Research*, In press.
- Houfková, P., Bumerl, J., Pospíšil, L., Karlík, P., Beneš, J., Bernardová, A., Hrabalíková, M., Molnárová Janečková, K., Hejzman, M. (2015). Origin and development of long-strip field patterns: a case study of an abandoned medieval village in the Czech Republic. *Catena* 135: 83–91.
- Hrdličková J., Hejzman M., Křišťálová V., Pavlů V. (2011): Production, size and germination of broad-leaved dock seeds collected from mother plants grown under different nitrogen, phosphorus, and potassium supplies. *Weed Biology and Management* 11: 190–201.
- Hrevušová Z., Hejzman M., Hakl J., Mrkvička J. (2015): Soil chemical properties, plant species composition, herbage quality, production and nutrient uptake of an

- alluvial meadow after 45 years of N, P and K application. *Grass and Forage Science* 70: 205–218.
- Hrevušová Z., Hejčman M., Pavlů V., Hák J., Klauďisová M., Mrkvička J. (2009): Long-term dynamics of biomass production, soil chemical properties and plant species composition of alluvial grassland after the cessation of fertilizer application in the Czech Republic. *Agriculture, Ecosystems and Environment* 130: 123–130.
- Hujerová R., Pavlů V., Hejčman M., Pavlů L., Gaisler J. (2013): Effect of cutting frequency on above- and below-ground biomass production of *Rumex alpinus*, *R. crispus*, *R. obtusifolius*, and the *Rumex* hybrid (*R. patienta* x *R. tianschanicus*) in the seeding year. *Weed Research* 53: 378–386.
- Hujerová R., Pavlů L., Pavlů V., Gaisler J., Hejčman M., Ludvíková V. (2016): Manual weeding of *Rumex obtusifolius* and its effects on plant species composition in organically managed grassland. *Journal of Pest Science* 89: 257–266.
- Klauďisová M., Hejčman M., Pavlů V. (2009) Long-term residual effect of short-term fertilizer application on Ca, N and P concentrations in grasses *Nardus stricta* L. and *Avenella flexuosa* L. *Nutrient Cycling in Agroecosystems* 85: 187–193.
- Komárek P., Pavlů V., Hejčman M. (2010): Effect of depth and width of cultivation and sowing date on establishment of red clover (*Trifolium pratense* L.) by rotary slot seeding into grassland. *Grass and Forage Science* 65: 154–158.
- Křišťálová V., Hejčman M., Červená K., Pavlů V. (2011): Effect of nitrogen and phosphorus availability on the emergence, growth and over-wintering of *Rumex crispus* and *R. obtusifolius*. *Grass and Forage Science* 66: 361–369.
- Kubatová P., Hejčman M., Száková J., Vondráčková S., Tlustoš P. (2016): Effects of Sewage Sludge Application on Biomass Production and Concentrations of Cd, Pb and Zn in Shoots of *Salix* and *Populus* Clones: Improvement of Phytoremediation Efficiency in Contaminated Soils. *Bioenergy Research* 9: 809–819.
- Kunzová E., Hejčman M. (2009): Yield development of winter wheat over 50 years of FYM, N, P and K fertilizer application on black earth soil in the Czech Republic. *Field Crops Research* 111: 226–234.
- Kunzová E., Hejčman M. (2010): Yield development of winter wheat over 50 years of nitrogen, phosphorus and potassium application on greyic Phaeozem in the Czech Republic. *European Journal of Agronomy* 33: 166–174.
- Ludvíková V., Pavlů V., Gaisler J., Hejčman M., Pavlů L. (2014): Long term defoliation by cattle grazing with and without trampling differently affects soil penetration resistance and plant species composition in *Agrostis capillaris* grassland. *Agriculture, Ecosystem and Environment* 197: 204–211.
- Ludvíková V., Pavlů V., Pavlů L., Gaisler J., Hejčman M. (2015): Sward-height patches under intensive and extensive grazing density in an *Agrostis capillaris* grassland *Folia Geobotanica* 50: 219–228.
- Mládek J., Hejčman M., Hejduk S., Duchoslav M., Pavlů V. (2011): Community seasonal development enables late defoliation without loss of forage quality in low productive semi-natural grasslands. *Folia Geobotanica* 46: 17–34.
- Mládek J., Mládková P., Hejčmanová P., Dvorský M., Pavlů V., de Bello F., Duchoslav M., Hejčman M., Pakeman R.J. (2013): Plant trait assembly affects superiority of grazers foraging strategies in species-rich grasslands. *Plos One* 8, e69800.
- Mládková P., Mládek J., Hejduk S., Hejčman S., Cruz P., Jouany C., Pakeman R.J. (2015): High nature value grasslands have the capacity to cope with nutrient impoverishment induced by mowing and livestock grazing. *Journal of Applied Ecology* 52: 1073–1081.

- Müllerová V., Hejcman M., Hejcmanová P., Pavlů V. (2014): Effect of fertilizer application on *Urtica dioica* and its element concentrations in a cut grassland. *Acta Oecologica* 59: 1–6.
- Pätzold S., Hejcman M., Berej J., Schellberg J. (2013): Soil phosphorus fractions after seven decades of fertilizer application in the Rengen Grassland Experiment. *Journal of Plant Nutrition and Soil Science* 176: 910–920.
- Pavlů L., Pavlů V., Gaisler J., Hejcman M. (2008): Effect of cessation of grazing management on dynamics of grassland weedy species. *Journal of Plant Diseases and Protection* 21: 581–586.
- Pavlů L., Pavlů V., Gaisler J., Hejcman M. (2013): Relationship between soil and biomass chemical properties, herbage yield and sward height in cut and unmanaged mountain hay meadow (*Polygono–Trisetion*). *Flora* 208: 599–608.
- Pavlů L., Gaisler J., Hejcman M., Pavlů V. (2016): What is the effect of long-term mulching and traditional cutting regimes on soil and biomass chemical properties, species richness and herbage production in *Dactylis glomerata* grassland? *Agriculture, Ecosystems and Environment* 217: 13–21.
- Pavlů L., Pavlů V., Gaisler J., Hejcman M., Mikulka J. (2011): Effect of long-term cutting versus abandonment on the vegetation of a mountain hay meadow (*Polygono-trisetion*) in Central Europe. *Flora* 206: 1020–1029.
- Pavlů V., Gaisler J., Hejcman M., Pavlů L. (2006): Effect of different grazing system on dynamics of grassland weedy species. *Journal of Plant Diseases and Protection* 20: 377–383.
- Pavlů V., Gaisler J., Hejcman M., Pavlů L. (2008): Effect of different grazing intensity on weed control under conditions of organic farming. *Journal of Plant Diseases and Protection* 21: 441–446.
- Pavlů V., Gaisler J., Pavlů L., Hejcman M., Ludvíková V. (2012): Effect of fertiliser application on plant species composition of *Festuca rubra* grassland under cutting management and its after effect under abandonment. *Acta Oecologica* 45: 42–49.
- Pavlů V., Hejcman M., Mikulka J. (2009): Cover estimation versus plant density counting in temperate pasture under different grazing intensity. *Environmental Monitoring and Assessment* 156: 419–424.
- Pavlů V., Hejcman M., Pavlů L., Gaisler J. (2003): Effect of rotational and continuous grazing on vegetation of the upland grassland in the Jizerské hory Mts., Czech Republic. *Folia Geobotanica* 38: 21–34.
- Pavlů V., Hejcman M., Pavlů L., Gaisler J. (2007): Effect of strip seeding of *Trifolium repens* on sward under continuous cattle grazing. *Die Bodenkultur – Austrian Journal of Agricultural Research* 56: 15–21.
- Pavlů V., Hejcman M., Pavlů L., Gaisler J. (2007): Restoration of grazing management and its effect on vegetation in an upland grassland. *Applied Vegetation Science* 10: 375–382.
- Pavlů V., Hejcman M., Pavlů L., Gaisler J., Nežerková P. (2006): Effect of continuous grazing on forage quality, quantity and animal performance. *Agriculture, Ecosystems and Environment* 113: 349–355.
- Pavlů V., Hejcman M., Pavlů L., Gaisler J., Nežerková P., Andaluz M. G. (2005): Vegetation changes after cessation of grazing management in the Jizerské Mountains (Czech Republic). *Annales Botanici Fennici* 42: 343–349.
- Pavlů V., Hejcman M., Pavlů L., Gaisler J., Nežerková P., Meneses L. (2006): Changes in plant densities in a mesic species-rich grassland after imposing different grazing management treatments. *Grass and Forage Science* 61: 42–51.

- Pavlů V., Schellberg J., Hejzman M. (2011): Cutting frequency vs. N application: effect of a 20-year management in *Lolio-Cynosuretum* grassland. *Grass and Forage Science* 66: 501–515.
- Pokorná P., Hejzmanová P., Hejzman M., Pavlů V. (2013): Activity time budget patterns of sheep and goats co-grazing on semi-natural species-rich dry grassland. *Czech Journal of Animal Science* 58: 208–216.
- Semelová V., Hejzman M., Pavlů V., Vacek S., Podrázský V. (2008): The Grass Garden in the Giant Mts. (Czech Republic): residual effect of long-term fertilization after 62 years. *Agriculture, Ecosystems and Environment* 123: 337–342.
- Šmarda P., Hejzman M., Březinová A., Horová L., Steigerová H., Zedek F., Bureš P., Hejzmanová P., Schellberg J. (2013): Effect of phosphorus availability on the selection of species with different ploidy levels and genome sizes in a long-term grassland fertilization experiment. *New Phytologist* 200: 911–921.
- Šrek P., Hejzman M., Kunzová E. (2010): Multivariate analysis of relationship between potato (*Solanum tuberosum* L.) yield, amount of applied elements, their concentrations in tubers and uptake in a long-term fertilizer experiment. *Field Crops Research* 118: 183–193.
- Sochorová L., Jansa J., Verbruggen E., Hejzman M., Schellberg J., Kiers E. T., Johnson N. C. (2016): Long-term agricultural management maximizing hay production can significantly reduce belowground C storage. *Agriculture Ecosystems and Environment* 220: 104-114.
- Šrek P., Hejzman M., Kunzová E. (2012): Effect of long-term cattle slurry and mineral N, P and K application on concentration of N, P, K, Ca, Mg, As, Cd, Cr, Cu, Mn, Ni, Pb and Zn in peeled potato tubers and peels. *Plant Soil and Environment* 58: 167–173.
- Stejskalová M., Hejzmanová P., Pavlů V., Hejzman M. (2013): Grazing behavior and performance of beef cattle as a function of sward structure and herbage quality under rotational and continuous stocking on species-rich upland pasture. *Animal Science Journal* 84: 622-629.
- Strnad L., Hejzman M., Hejzmanová P., Křišťálová V., Pavlů V. (2012): Performance and mortality of *Rumex obtusifolius* and *R. crispus* in managed grasslands are affected by nutrient availability. *Folia Geobotanica* 47: 293-304.
- Strnad L., Hejzman M., Křišťálová V., Hejzmanová P., Pavlů V. (2010) Mechanical weeding of *Rumex obtusifolius* L. under different N, P and K availabilities in permanent grassland. *Plant, Soil and Environment* 56: 393–399.
- Těšitel J., Hejzman M., Lepš J., Cameron D.D. (2013) How does elevated grassland productivity influence populations of root hemiparasites? Commentary on Borowicz and Armstrong (Oecologia 2012). *Oecologia* 172: 933-936.
- Tlustoš P., Hejzman M., Hulka M., Patáková M., Kunzová E., Száková J. (2016): Mobility and plant availability of risk elements in soil after long-term application of farmyard manure. *Environmental Science and Pollution Research* 23: 23561-23572.
- Uprety D., Hejzman M., Száková J., Kunzová E., Tlustoš P. (2009): Concentration of trace elements in arable soil after long-term application of organic and inorganic fertilizers. *Nutrient Cycling in Agroecosystems* 85: 241–252.
- Vacek S., Hejzman M. (2012): Natural layering, foliation, fertility and plant species composition of a *Fagus sylvatica* stand above the alpine timberline in the Giant (Krkonoše) Mts., Czech Republic. *European Journal of Forest Research* 131: 799–810.
- Vacek S., Hejzman M., Semelová V., Remeš J., Podrázský V. (2009): Effect of soil chemical properties on growth, foliation and nutrition of Norway spruce stand affected by

- yellowing in the Bohemian Forest Mts., Czech Republic. *European Journal of Forest Research* 128: 367–375.
- Vacek S., Hejčmanová P., Hejčman M. (2012): Vegetative reproduction of *Picea abies* by artificial layering at the ecotone of the alpine timberline in the Giant (Krkonoše) Mountains, Czech Republic. *Forest Ecology and Management* 263: 199–207.
- Vacek S., Hejčmanová P., Hejčman M. (2013): Growth, health status and seed production of differently aged allochthonous and autochthonous *Pinus mugo* stands in the Giant Mts. over a 30-year period. *European Journal of Forest Research* 132: 801–813.
- Vondráčková S., Hejčman M., Száková J., Müllerová V., Tlustoš P. (2014): Soil chemical properties affect the concentration of elements (N, P, K, Ca, Mg, As, Cd, Cr, Cu, Fe, Mn, Ni, Pb, and Zn) and their distribution between organs of *Rumex obtusifolius*. *Plant and Soil* 379: 231–245.
- Vondráčková S., Hejčman M., Tlustoš P., Száková J. (2013): Effect of quick lime and dolomite application on mobility of elements (Cd, Zn, Pb, As, Fe, and Mn) in contaminated soils. *Polish Journal of Environmental Studies* 22: 577–589.
- Vondráčková S., Hejčman M., Tlustoš P., Száková J. (2015): Effect of rock phosphate and superphosphate application on mobility of elements (Cd, Zn, Pb, As, Fe Mn) in contaminated soils. *Environmental Engineering and Management Journal*. In press.
- Vondráčková S., Száková J., Drábek O., Tejnecký V., Hejčman M., Müllerová V., Tlustoš P. (2015): Aluminium uptake and translocation in Al hyperaccumulator *Rumex obtusifolius* is affected by low-molecular-weight organic acids content and soil pH. *Plos One* 10: e0123351.
- Vondráčková S., Tlustoš P., Hejčman M., Száková J. (2017): Regulation of macro, micro, and toxic element uptake by *Salix × smithiana* using liming of heavily contaminated soils. *Journal of Soils and Sediments* 17: 1279 -1290.
- Zárubová P., Hejčman M., Vondráčková S., Mrnka L., Száková J., Tlustoš P. (2015): Distribution of P, K, Ca, Mg, Cd, Cu, Fe, Mn, Pb and Zn in wood and bark age classes of willows and poplars used for phytoextraction on soils contaminated by risk elements. *Environmental Science and Pollution Research* 22: 18801 - 18813.

2. Papers in other scientific journals

- Pötsch E. M., Schellberg J., Hejčman M. (2015): Langzeitversuche im Grünland – mehr als nur ressourcenzehrende Nostalgie? 20. Alpenländisches Expertenforum 2015, 77 – 84. Höhere Bundeslehr- und Forschungsanstalt Raumberg-Gumpenstein ISBN 13: 978-3-902849-29-8.
- Hejčman M., Hejčmanová P. (2015): Yield and Nutritive Value of Grain, Glumes and Straw of *Triticum dicoccum* Produced by Prehistoric Technology in Comparison to *T. aestivum* Produced by Modern Technology. *Interdisciplinaria Archaeologica – Natural Sciences in Archaeology* 6: 31–45.
- Hejčmanová P., Hejčman M., Stejskalová M., Pavlů V. (2014): Livestock winter feeding in prehistory: role of leaf fodder, annual twigs of woody plants, senescent grasses, *Hedera helix* and *Viscum album*. In: Baumont R. et al. 2014. Forage resources and ecosystem services provided by Mountain and Mediterranean grasslands and rangelands. *Options Méditerranéennes* 109: 79–82.
- Ludvíková V., Pavlů V., Gaisler J., Pavlů L., Hejčman M. (2014): Effect of long term defoliation by cattle grazing with and without trampling on soil compaction and plant species composition in temperate grassland. In: Baumont R. et al. 2014. Forage resources and ecosystem services provided by Mountain and

- Mediterranean grasslands and rangelands. *Options Méditerranéennes* 109: 461–466.
- Hejcman M., Jouany C., Cruz P., Morel C., Stroia C., Theau J. P. (2014): Sub soil P status could explain the absence of resilience in plant species composition of subalpine grassland 63 years after the last fertilizer application. *Scientia Agriculturae Bohemica* 45: 75–84.
- Součková K., Hejcman M., Klír T. (2013): Medieval Farming Practices in Deserted Villages Can be Determined Based on the Nitrogen Isotopic Signature in Recent Forest Soils. *Interdisciplinaria Archaeologica – Natural Sciences in Archaeology* 4: 63–71.
- Žáčková M., Hejčmanová P., Vymyslická P., Hejcman M. (2013): Does change in land use affect woody vegetation in sub-humid Sudanian savanna in Senegal? *Scientia Agriculturae Bohemica* 44: 209–217.
- Hejcman M., Hejčmanová P., Hlásná-Čepková P., Horák J., Karlík P., Pavlů V., Rosenberg R., Součková K., Staňková P., Stejskalová M. (2013): Environmental archaeology at the Czech University of Life Sciences Prague – an application of new methods for interdisciplinary research. *Interdisciplinaria Archaeologica – Natural Sciences in Archaeology* 4: 223–231.
- Bochenková M., Hejcman M., Karlík P. (2012): Effect of plant community on recruitment of *Pulsatilla pratensis* in dry grassland. *Scientia Agriculturae Bohemica* 43: 127–133.
- Dvořák I., Kociánová M., Hejcman M., Tremel V., Vaněk J. (2004): 41 (1): Linkage between Geo- and Biodiversity on example of snow-patch “Map of Republic” (Modrý důl Valley). *Opera Corcontica* 41 (1): 100–110 (In Czech, with English summary).
- Hakl J., Šantrůček J., Hejcman M., Fuksa P. (2008): The relation of compressed height to alfalfa (*Medicago sativa* L.) dry matter yield. *Scientia Agriculturae Bohemica* 38: 12 – 15.
- Hejcman M., Pavlů V., Krahulec F. (2002): Livestock grazing and its use in nature conservation. *Zprávy Čes. Bot. Společ.* 37: 203 – 216 (In Czech, with English summary).
- Hejcman M., Pavlů V., Peterová J., Řičařová P. (2003): The expansion of *Calamagrostis villosa* in the Giant Mountains – Preliminary results. *Acta Agraria et Silvestria* 40: 139–152.
- Hejcman M., Žáková I., Stránská M., Bílek M. (2004): Reestablishment of Grassland Management in the Klínové Boudy Locality – Sheep Grazing Preferences and Sward Structure under Defoliation. *Opera Corcontica* 41 (2): 552–559.
- Lanta V., Hejcman M. (2002): Restoration of bog spruce forests in the Giant Mountains, Czech Republic. *Vč. sb. přír. – Práce a studie* 10: 39–46.
- Lanta V., Hejcman M., Svobodová P. (2006): Notes to the occurrence of protected plant species occurring in the western part of the Giant Mountains. *Vč. Sb. Přír. – Práce a studie* 13: 115-126 (In Czech, with English summary).
- Nežerková P., Antonínová M., Kotrba R., Hejcman M., Verner P. H. (2004): The conservation programme of the western giant eland (*Tragelaphus derbianus derbianus*) in Senegal. *Game and Wildlife Science* 21 (4): 811 – 814.
- Semelová V., Hejcman M., Hartmanová O., Lokvenc T. (2008): Grass Garden near Luční bouda chalet: long-term residual effect of organic fertilization. *Opera Corcontica* 44/2: 379 – 383.
- Vacek S., Podrázský V., Hejcman M., Remeš J. (2006): Effect of Mg fertilization on yellowing disease of Norway spruce at higher elevations of the Šumava Mts., Czech Republic. *Journal of Forest Science* 52: 474 – 481.

Vacek S., Mikeska M., Podrázský V., Hejzman M. (2007): Vývoj krajiny v bilaterární biosférické rezervaci Krkonoše / Karkonosze (Landscape development in the Bilateral Biosphere Reserve Krkonoše / Karkonosze, In Czech with English summary). *Opera Corcontica* 44: 485 – 495.

3. Papers in proceedings from the scientific conferences

Hejzman M., Hejzmanová P., Pavlů V., Thorhallsdottir A. G. (2014): Nutritive value of leaf fodder from the main woody species in Iceland. In: Hopkins A., Collins R. P., Fraser M. D., King V. R., Lloyd D. C., Moorby J. M., Robson P. R. H. (Eds.): *EGF at 50: The future of European Grasslands. Grassland Science in Europe 19*. Proceedings of the 25th general meeting of the European Grassland Federation. Aberystwyth, Wales, 566 – 568.

Hujerová R., Gaisler J., Pavlů L., Pavlů V., Hejzman M. (2014): Emergence and survival of RUMEX OK-2 (*Rumex patientia* x *Rumex tianschanicus*) in grasslands under different management conditions. In: Hopkins A., Collins R. P., Fraser M. D., King V. R., Lloyd D. C., Moorby J. M., Robson P. R. H. (Eds.): *EGF at 50: The future of European Grasslands. Grassland Science in Europe 19*. Proceedings of the 25th general meeting of the European Grassland Federation. Aberystwyth, Wales, 327 – 329.

Supek Š., Pavlů V., Ludvíková V., Pavlů L., Gaisler J., Hejzman M. (2014): Effect of different grazing regimes on the coverage of *Taraxacum* spp. under a long-term grazing experiment. In: Hopkins A., Collins R. P., Fraser M. D., King V. R., Lloyd D. C., Moorby J. M., Robson P. R. H. (Eds.): *EGF at 50: The future of European Grasslands. Grassland Science in Europe 19*. Proceedings of the 25th general meeting of the European Grassland Federation. Aberystwyth, Wales, 324 – 326.

Karlík P., Staňková P., Pospíšil L., Houfková P., Bumerl J., Bernardová S., Míšek P., Beneš J., Hejzman M. (2014): Gradient obsahu prvků v půdě plužiny bývalé vsi Malonín zaniklé v 50. letech 20. století (Gradient of element concentrations in soil of former fields in the village Malonín abandoned in 1950s). Sborník abstraktů z 10. konference environmentální archeologie (KEA 2014) Olomouc, 27 – 28th January 2014, 50.

Hejzman M., Hejzmanová P. (2014): Porovnání výnosů zrna a slámy a nutriční hodnota pšenice dvouzrnky pěstované pravěkým způsobem a pšenice seté pěstované pomocí moderní technologie (Comparison of grain and straw yields and nutritive value of *Triticum dicoccum* produced by prehistoric technology and *Triticum aestivum* produced by modern technology). Sborník abstraktů z 10. konference environmentální archeologie (KEA 2014) Olomouc, 27 – 28th January 2014, 34.

Hejzmanová P., Hejzman M., Pavlů V. (2014): Dřeviny a jejich význam při krmení dobytka v pravěku a středověku (Woody species and their value for livestock feeding in Prehistory and Middle Ages). Sborník abstraktů z 10. konference environmentální archeologie (KEA 2014) Olomouc, 27 – 28th January 2014, 18.

Hejzman M., Hejzmanová P., Pavlů V. (2014): Krmná hodnota listů dřevin na Islandu a jejich potenciální důsledky pro vývoj vegetace po kolonizaci Vikingy v 9. a 10. Století (Forage value of leaf fodder and its potential consequences on development of forest vegetation after Norse colonization of Iceland in 9th and 10th century A.D.) In: 10. Sborník abstraktů z 10. konference environmentální archeologie (KEA 2014) Olomouc, 27 – 28th January 2014, 16.

Hejzman M., Součková K., Gojda M. (2013): Prehistoric settlement activities irreversibly changed nutrient availability and crop production in Central Europe. In: Long-

- term field experiments and their contribution to environmentally balanced agriculture. Abstract proceedings of the international colloquium and of the workshop, Prague – Ruzyně, 11th December 2013, 6.
- Dostál J., Hajzlerová L., Javor T., Hejcman M. (2013): Long-term evaluation of the soil organic matter balance and the composition of manure in the East Bohemia. In: Long-term field experiments and their contribution to environmentally balanced agriculture. Abstract proceedings of the international colloquium and of the workshop, Prague – Ruzyně, 11th December 2013, 4.
- Hlisnikovsky L., Kunzová E., Hejcman M. (2013): Winter wheat grain yield and grain technological parameters as influenced by fertilizer treatment, soil type and weather conditions. In: Long-term field experiments and their contribution to environmentally balanced agriculture. Abstract proceedings of the international colloquium and of the workshop, Prague – Ruzyně, 11th December 2013, 26.
- Hejcman M., Hejcmanová P., Stejskalová M., Pavlů V. (2013): Nutriční hodnota listů a letorostů dřevin, *Hedera helix* a *Viscum album* aneb Možný vliv chovu hospodářských zvířat na druhovou skladbu lesů v pravěku (Nutritive value of leaves of woody species, Ivy and mistletoe – possible effect of livestock breeding on species composition of forests in prehistory). In: Konference České botanické společnosti: Historie flóry a vegetace v pozdním glaciálu a holocénu ve světle aktuálních poznatků, Praha 23. – 24. 11. 2013, sborník abstraktů, 16.
- Hejcman M., Hejcmanová P., Pavlů V., Schellberg J., Pavlů L. (2013): Plant density and seed production of *Rhinanthus minor* under long-term Ca, N, P and K fertiliser application in the Rengen Grassland Experiment (Germany). In: 3rd Symposium on the Biology of Non-Weedy Parasitic Plants, Namur, Belgium. 12 – 15th September 2013, 16.
- Pavlů V., Pavlů L., Tešitel J., Gaisler J., Hejcman M. (2013): Germination and growth of *Rhinanthus minor* populations on west-east gradient in Europe. In: 3rd Symposium on the Biology of Non-Weedy Parasitic Plants, Namur, Belgium. 12 – 15th September 2013, 18.
- Hejcman M. (2013): Základy pedologie pro archeology – aneb co je nutné vědět o půdách při provádění archeologického výzkumu (Basics of pedology for archaeologists – what is necessary to know about soils during archaeological research). In: Homo climaticus – klimatické změny, příroda a společnost. 9. konference environmentální archeologie – sborník abstraktů. České Budějovice pp. 29.
- Stejskalová M., Hejcmanová P., Hejcman M. (2013): Forage value of leaf fodder from main European broad-leaved woody species. In: Helgadóttir A. and Hopkins A. (Eds.): *The role of grasslands in a green future – threats and perspectives in less favoured areas. Grassland Science in Europe 18*. Proceedings of the 17th symposium of the European Grassland Federation. Akureyri, Island, 85 – 87.
- Vondráčková S., Müllerová V., Hejcman M., Tlustoš P., Száková J. (2013): Effect of quick lime and superphosphate application on growth of *Rumex obtusifolius* in soils contaminated by cadmium and zinc. In: Helgadóttir A. and Hopkins A. (Eds.): *The role of grasslands in a green future – threats and perspectives in less favoured areas. Grassland Science in Europe 18*. Proceedings of the 17th symposium of the European Grassland Federation. Akureyri, Island, 117 – 119.
- Skalická R., Karlík P., Hejcman M., Bochenková M. (2013): Effect of insect predators on plant size and seed production of *Pulsatilla pratensis* subsp. *bohemica*. In: Helgadóttir A. and Hopkins A. (Eds.): *The role of grasslands in a green future – threats and perspectives in less favoured areas. Grassland Science in Europe 18*. Proceedings of the 17th symposium of the European Grassland Federation. Akureyri, Island, 388 – 390.

- Bochenková M., Hejzman M., Karlík P. (2013): Effect of ammonium nitrate concentration on the germination of *Pulsatilla pratensis*. In: Helgadóttir A. and Hopkins A. (Eds.): *The role of grasslands in a green future – threats and perspectives in less favoured areas. Grassland Science in Europe 18*. Proceedings of the 17th symposium of the European Grassland Federation. Akureyri, Island, 448 – 450.
- Müllerová V., Hejzman M., Hejzmanová P., Pavlů V. (2013): Effect of nutrient availability on growth of *Urtica dioica* in cut grassland and on the concentrations of N, P, K, Ca and Mg in its biomass. In: Helgadóttir A. and Hopkins A. (Eds.): *The role of grasslands in a green future – threats and perspectives in less favoured areas. Grassland Science in Europe 18*. Proceedings of the 17th symposium of the European Grassland Federation. Akureyri, Island, 499 – 501.
- Křišťuf P., Peška J., Rytíř L., Hejzman M. (2013): Eneolithic burial mound cemetery in Dřevohostice (Central Moravia) and construction of late eneolithic barrows in Central Europe. In: Turek J. (Ed.): *Book of abstracts from the 19th annual meeting of the European Association of Archaeologists*, Pilsen, 181.
- John J., Hejzman M. (2013): First steps of airborne laser scanning in western Bohemia – opportunity to improve the protection of archaeological monuments in forests. *Book of abstracts from the 19th annual meeting of the European Association of Archaeologists*, Pilsen, 247.
- Hejzman M., Součková K., Křišťuf P., Peška J. (2013) Využití chemické analýzy půd při studiu eneolitické mohyly v Dřevohostickém lese (The use of soil chemical analysis during the research of the Late Neolithic barrow in Dřevohostice Forest). In: Homo climaticus – klimatické změny, příroda a společnost. 9. konference environmentální archeologie – sborník abstraktů. České Budějovice pp. 31.
- Ondráček J., Hejzman M., Karlík P., Klír T. (2012): It is possible to detect 600 years old archaeological objects by CRS plant strategies and EIV on present vegetation?, in: The 8th European Conference on Ecological Restoration - Near natural restoration - book of abstracts, České Budějovice, Czech Republic, September 9-14.
- Hejzman M., Hejzmanová P., Pavlů V., Beneš J. (2012): Origin, history, management and plant species composition of grasslands in Central Europe – a review. In: Golinski P., Warda M., Stypinski P. (Eds.): *Grassland – a European resource? – Grassland Science in Europe 17*. Proceedings of the 24th general meeting of the European Grassland Federation, Lublin, Poland, 554 – 567.
- Mládek J., Hejduk S., Hejzman M., Pavlů V., Duchoslav M., Mládková P. (2012): Postponing of the first harvest in semi-natural grasslands: decline in nutrient concentrations? In: Golinski P., Warda M., Stypinski P. (Eds.): *Grassland – a European resource? – Grassland Science in Europe 17*. Proceedings of the 24th general meeting of the European Grassland Federation, Lublin, Poland, 376 – 378.
- Pavlů V., Šimáčková H., Ludvíková V., Gaisler J., Pavlů V., Hejzman M. (2012): Effect of different grazing systems on sward structure during the first vegetation season after management introduction. In: Golinski P., Warda M., Stypinski P. (Eds.): *Grassland – a European resource? – Grassland Science in Europe 17*. Proceedings of the 24th general meeting of the European Grassland Federation, Lublin, Poland, 210 – 212.
- Součková K., Hejzman M. (2012eds.): Zemědělství pohledem environmentální archeologie (Agriculture in the view of the Environmental Archaeology). Sborník abstraktů 8. konference environmentální archeologie konané ve dnech 1. – 3. 2. 2012, ČZU, Praha.

- Hejcman M., Kunzová E. (2012): Střídavé zemědělství ve střední Evropě a teorie o vyčerpání půdy (Shifting agriculture in Central Europe and theories about soil depletion). In: Součková K., Hejcman M. (eds.): Zemědělství pohledem environmentální archeologie. Sborník abstraktů 8. konference environmentální archeologie konané ve dnech 1. – 3. 2. 2012, ČZU, Praha, 33.
- Ondráček J., Hejcman M., Karlík P., Klír T. (2012): Využití CRS strategií rostlin a Ellenbergových indikačních hodnot k indikaci zaniklých středověkých archeologických objektů (The use of CRS plant strategies and Ellenberg Indicator values for the indication of deserved medieval archaeological features). In: Součková K., Hejcman M. (eds.): Zemědělství pohledem environmentální archeologie. Sborník abstraktů 8. konference environmentální archeologie konané ve dnech 1. – 3. 2. 2012, ČZU, Praha, 52–53.
- Součková K., Hejcman M. (2012): Identifikace zemědělské činnosti na zaniklých středověkých vesnicích (Identification of agricultural activities on deserved medieval villages). In: Součková K., Hejcman M. (eds.): Zemědělství pohledem environmentální archeologie (Agriculture in the view of the Environmental Archaeology). Sborník abstraktů 8. konference environmentální archeologie konané ve dnech 1. – 3. 2. 2012, ČZU, Praha, 59.
- Staňková P., Součková K., Hejcman M. (2012): Využití stabilních izotopů dusíku pro identifikaci středověkého hnojení na lokalitě Spindelbach (The use of stable nitrogen isotopes for identification of medieval organic fertilizer application in the locality Spindelbach). In: Součková K., Hejcman M. (eds.): Zemědělství pohledem environmentální archeologie (Agriculture in the view of the Environmental Archaeology). Sborník abstraktů 8. konference environmentální archeologie konané ve dnech 1. – 3. 2. 2012, ČZU, Praha, 60.
- Ondráček J., Hejcman M., Karlík P., Klír T. (2011): Is there any effect of medieval settlement activity on the contemporary soil chemical properties and forest vegetation? In: Proceedings of the 4th Conference of Environmental Archeology of Urban Sites - An International Conference of the Polish Association for Environmental Archaeology, Gdansk, Poland 96.
- Pavlů V., Gaisler J., Pavlů L., Hejcman M. (2011): Cessation of cutting and fertilization and its effect on upland grassland. In: Potsch E., Krautzer B., Hopkins A. (Eds.): *Grassland Farming and Land Management Systems in Mountain Regions – Grassland Science in Europe 16*. Proceedings of the 16th Symposium of the European Grassland Federation, Gumpenstein, Austria 404–406.
- Hejcman M., Štětinová Z., Hejmanová P., Pavlů V., Schellberg J. (2011): Plant density and seed production of *Rhinanthus minor* under long-term Ca, N, P and K fertiliser application in the Rengen Grassland Experiment (Germany). In: Potsch E., Krautzer B., Hopkins A. (Eds.): *Grassland Farming and Land Management Systems in Mountain Regions – Grassland Science in Europe 16*. Proceedings of the 16th Symposium of the European Grassland Federation, Gumpenstein, Austria 595–597.
- Hejcman M. (2011): Effect of nutrient availability on ecosystems functioning: what can tell us decades long fertilizer experiments? In: Proceedings from Join meeting of society of wetland scientists, wetpol and wetland biogeochemistry symposium (3-8 July, book of abstracts). 124.
- Gaisler J., Hejcman M., Pavlů V. (2003): Changes in sward structure under various frequencies of defoliation (In Czech, with English summary). In: Kohoutek A., Pozdíšek J. (Eds.): *Ekologicky šetrné a ekonomicky přijatelné obhospodařování travních porostů*. VÚRV, Praha 192–197.

- Gaisler J., Hejčman M., Pavlů V. (2004): Effect of different management on the botanical composition of permanent grassland. In: Luscher B., Jeangros B., Kessler W., Huguenin O., Lobsiger M., Millar N., Suter D. (Eds.): *Land use systems in grassland dominated regions – Grassland science in Europe 9*. Proceedings of the 20th general meeting of the European Grassland Federation, Luzern, Switzerland 849–851.
- Gaisler J., Pavlů V., Pavlů L., Hejčman M. (2009): Effect of cessation of cutting and fertilization on plant species composition in an upland grassland. In: *2nd European Congress of Conservation Biology – book of abstracts*. Prague 1. – 5. 2009, 201.
- Gaisler J., Pavlů V., Hejčman M. (2002): Vliv intenzity pastvy na koncentraci a vyplavování živin v lyzimetrických vodách (Effect of grazing intensity on concentrations and nutrients leaching in lysimetric waters). In: Říha (Ed.): *Chov a šlechtění skotu pro konkurenceschopnou výrobu a obhospodařování drnového fondu*. Výzkumný ústav pro chov skotu, Rapotín 168–176.
- Gaisler J., Pavlů V., Hejčman M. (2006): Effect of mulching frequency on botanical composition of grassland. *Grassland Science in Europe* 11: 134–136.
- Gaisler J., Pavlů V., Hejčman M. (2007): Effect of mulching on rate of legumes in meadow forage. Proceedings of international conference "Grassland Ecology VII", Banská Bystrica, 28.-30.11.2007, 449-453.
- Gaisler J., Pavlů V., Hejčman M. (2004): Effect of mulching frequency on legumes cover in sward (In Czech, with English abstract). In: Vozár (Ed.): *Produkčné, ekologické a krajnotvorné funkcie trávnych ekosystémov a krmných plodín*. Slovenská poľnohospodárska univerzita, Nitra 161–165.
- Hejčman M. (2006): Porovnání pastevního chování různých druhů hospodářských zvířat (Comparison of grazing behavior of various livestock species). In: Sborník přednášek ze setkání chovatelů a mezinárodní konference. Svaz chovatelů ovcí a koz v ČR a MZLU, Brno 72-74.
- Hejčman M., Pavlů V. (2005): Obhospodařování travních porostů aneb od botaniky k zemědělství. In: Botanika a ekologie obnovy. Konference České botanické společnosti. Sborník abstraktů.
- Hejčman M., Vacek S., Remeš J., Podrázský V. (2008): Deficit Mg v lesních porostech aneb je nutné vápnit přirozené smrčiny (Deficit of Mg in forests – is it necessary to lime natural spruce forests? In: Diverzita, dynamika a management lesní vegetace. Konference České botanické společnosti. Sborník abstraktů 22.
- Hejčman M. (2009): Využití parazitických rostlin při obnově druhově bohatých travních porostů (Use of parasitic species for restoration of species rich grasslands). In: Parazitické, poloparazitické a mykoheterotrofní rostliny. Sborník abstraktů 20.
- Hejčman M. (2010): Dlouhodobé následné efekty po aplikaci hnojiv na travinná společenstva: důsledky pro obnovu druhově bohatých luk (Long-term after effects of fertilizer application on grassland communities). Book of abstracts from the conference "Meadows: biodiversity and management", Třeboň 20. – 21. 3., 2.
- Hejčman M., Březina S., Rauch O. (2002): Livestock grazing as an alternative management for montane meadows in the Giant Mountains – Preliminary results. In: Bottarin R. & Tappeiner U. (Eds.): *Interdisciplinary Mountain Research*. Blackwell, Berlin 220–230.
- Hejčman M., Karlík P., Ondráček J., Součková K., Hejčmanová P., Klír T., Smrž Z. (2011): Možnosti využití geochemických metod v archeologii (Possibilities of use of geochemical methods in Archaeology). In: Sedmá Konference environmentální archeologie konaná ve dnech 9.-10. 2. 2011 – sborník abstraktů. Archeologický ústav AVČR, Brno 11.

- Hejcman M., Klaudivová M., Šormová D. (2006): Effect of Cutting Management on *Calamagrostis villosa* in Area above the Upper Tree Limit. In: Šťastná P., Knapík R. (Eds.): Geoekologické problémy Krkonoš – Sborník abstraktů z mezinárodní vědecké konference, Správa KRNAP, Vrchlabí, 23.
- Hejcman M., Pavlů V., Gaisler J. (2003): Continuous cattle grazing as an alternative management species rich grasslands in the Giant Mts (In Czech, with English abstract). In: Kohoutek A., Pozdíšek J. (Eds.): *Ekologicky šetrné a ekonomicky přijatelné obhospodařování travních porostů*. VÚRV, Praha 292–298.
- Hejcman M., Pavlů V., Gaisler J. (2004): Sward structure and plant species diversity under unmanaged, grazed and cut grassland in the Giant Mountains, Czech Republic. In: Tichá (Ed.): *Sustain life secure survival II – Book of abstracts*. Czech University of Agriculture, Prague 38.
- Hejcman M., Pavlů V., Gaisler J. (2004): Vegetation structure under unmanaged, grazed and cut grassland in the Giant Mountains, Czech Republic. In: Luscher B., Jeangros B., Kessler W., Huguenin O., Lobsiger M., Millar N., Suter D. (Eds.): *Land use systems in grassland dominated regions – Grassland science in Europe 9*. Proceedings of the 20th general meeting of the European Grassland Federation, Luzern, Switzerland 213–215.
- Hejcman M., Pavlů V., Gaisler J., Klaudivová M., Nežerková P., Pavlů L. (2005): Spread and control of *Calamagrostis villosa* above the upper tree limit in the Giant Mts., Czech Republic. In: Lillak R., Viiralt R., Linke A., Geherman V. (Eds.): *Integrating Efficient Grassland Farming and Biodiversity – Grassland science in Europe 10*. Proceedings of the 13th International Occasional Symposium of the European Grassland Federation, Tartu, Estonia 61–64.
- Hejcman M., Schellberg J., Chytrý M., Hennekens S. M. (2008): The Gengen Grassland Experiment: Effect of long-term fertilizer application on diversification of plant communities. In: Chytrý M. (Ed.): Using phytosociological data to address ecological questions. 17th International Workshop Vegetation Survey, Brno 1-5th May 2008. Masaryk University, Brno, 53.
- Hejcman M., Schellberg J., Pavlů V. (2009): Restoration of species-rich grasslands by means of cutting management. In: Vegetation processes and human impact in a changing world. 52nd international symposium of IAVS in Chania, Crete, Greece (Book of abstracts), 58.
- Hejcman M., Semelová V., Pavlů V., Hartmanová O. (2007): Grass Garden in the Czech Republic: the oldest grassland fertilizer experiment in the world. In: De Vliegheer A. and Carlier L. (Eds.): *Permanent and Temporary Grassland, Plant, Environment and Economy*. Occasional meeting of European Grassland Federation, Ghent, Belgium (Book of abstracts), 70.
- Hejcman M., Stránská M. (2002): Pastva ovcí v druhé zóně národního parku (Sheep grazing in the second zone of the national park). In: *Vliv abiotických a biotických stresů na vlastnosti rostlin*. Česká zemědělská univerzita, Agronomická fakulta, Praha 46–49.
- Hejcmanová P., Pavlů V., Hejcman M., Stejskalová M. and Al Hakimová N. (2007): Daily activity pattern of heifers under continuous grazing of different intensity. In: De Vliegheer A. and Carlier L. (Eds.): *Permanent and Temporary Grassland, Plant, Environment and Economy*. Occasional meeting of European Grassland Federation, Ghent, Belgium (Book of abstracts), 33.
- Klaudivová M., Hejcman M., Honsová D. (2006) Long-term residual effect of Ca, N, and P fertilization on *Nardus stricta* grassland in Krkonoše Mts. (In Czech with English abstract). In: Fuksa P. (Ed.): *Nové poznatky v pícninářství a trávnickářství –*

- sborník příspěvků z odborného semináře “Univerzitní pícninářské dny”, ČZU, Praha 40 – 44.
- Klaudisová M., Hejzman M., Šormová D. (2005) Spread of *Molinia caerulea* above upper tree limit in Krkonoše Mts. (In Czech with English summary). In: Fuchsa P. (Ed.) *Současná aktuální témata pícninářství a trávnickářství*. Česká zemědělská univerzita, Praha.
- Klaudisová M., Hejzman M., Štursa J. (2006): Long-term Residual Effect of Ca, N and P Fertilization on Sub-alpine *Nardus stricta* Grassland. In: Šťastná P., Knapik R. (Eds.): *Geoekologické problémy Krkonoš – Sborník abstraktů z mezinárodní vědecké konference*, Správa KRNAP, Vrchlabí, 24.
- Kotrba R., Hejzman M., Mojžíšová L., Nežerková P., Antonínová M., Knížková I., Kunc P., Verner P. H. (2004): Breeding of common eland (*Taurotragus oryx*) in the Czech Republic: promising species for farming in Europe? In: *6th International wildlife ranching symposium*. Paris, France, 62–63.
- Kotrba R., Mojžíšová L., Hejzman M. (2005): Perennial weedy plants survival: the elimination effect of grazing by non-indigenous Common Eland in the Czech Republic. *9th International Mammalogical Congress*. Sapporo, Hokkaido, Japan, 418–419.
- Křišťálová V., Hejzman M., Červená K. (2010): Přezimování širokolistých šťovíků *Rumex crispus* a *R. obtusifolius* (Overwintering of *Rumex crispus* a *R. obtusifolius*). Book of abstracts from the conference “Meadows: biodiversity and management”, Třeboň 20. – 21. 3., 38.
- Křišťálová V., Hejzman M., Červená K. (2010): Winter resistance of pasture weeds *Rumex obtusifolius* L. and *R. crispus* L. In: Schnyder H., Isselstein J., Taube F., Auerswald K., Schellberg J., Wachendorf M., Herrmann A., Gierus M., Wrage N., Hopkins A. (eds.): *Grassland in a changing world – Grassland science in Europe 15*. Proceedings of the 23th general meeting of the European Grassland Federation, Kiel, Germany 663–665.
- Ludvíková V., Pavlů V., Hejzman M., Guerovich M. (2007): The effect of different grazing intensity on structure of sward patches. In: De Vlieghe A. and Carlier L. (Eds.): *Permanent and Temporary Grassland, Plant, Environment and Economy*. Occasional meeting of European Grassland Federation, Ghent, Belgium (Book of abstracts), 34.
- Mládek J., Hejzman M., Hejduk S. (2010): Ve kterých typech travních porostů je možný posun sklizně do letních měsíců, aniž by se snížila kvalita píce (in which grassland types is possible to postpone defoliation into summer months without detrimental effect on forage quality)? Book of abstracts from the conference “Meadows: biodiversity and management”, Třeboň 20. – 21. 3., 20.
- Nežerková P., Antonínová P., Kotrba R., Hejzman M., Verner P. H. (2004): The conservation programme of the western giant eland (*Taurotragus derbianus derbianus*) in Senegal. In: *6th International wildlife ranching symposium*. Paris, France 77–78.
- Nežerková P., Hejzman M. (2004): Vegetation structure of area proposed for the creation of an enclosure for breeding of the Giant Eland (*Taurotragus derbianus derbianus*) in Senegal. In: *Zoologické dny Brno 2004*. Ústav biologie obratlovců AVČR, Brno 193–194.
- Ondráček J., Karlík P., Hejzman M., Klír T. (2011): Je možné po krátké středověké sídelní aktivitě detekovat změny v chemizmu půdy a ve vegetaci (Is it possible to detect changes in soil chemistry and in plant species composition after short-term settlement activity)? In: *Sedmá Konference environmentální archeologie konaná ve dnech 9.-10. 2. 2011 – sborník abstraktů*. Archeologický ústav AVČR, Brno 29.

- Ondráček J., Hejzman M., Karlík P., Klír T. (2011): Je možné detekovat sídelní aktivity 600 let po opuštění středověké vesnice podle lesní vegetace a chemických vlastností půdy? (Is it possible to detect settlement activities 600 years after abandonment of the village according to forest vegetation and soil chemical properties?) In: Doktorandské inspirace v botanice II. Konference České botanické společnosti konaná ve dnech 26. – 27. 11. 2011 – sborník abstraktů. Česká botanická společnost, Praha.
- Pavlů V., Gaisler J., Hejzman M. (2001): Seasonal variation of LAI of *Trifolium repens* on an upland pasture (In Czech, with English abstract). *Proceedings of the 50th Anniversary Conference of RICP*, Prague, 120.
- Pavlů V., Gaisler J., Hejzman M. (2004): The effect of grazing intensity on the structure of the above ground biomass in semi-natural grassland. In: Luscher B., Jeangros B., Kessler W., Huguenin O., Lobsiger M., Millar N., Suter D. (Eds.): *Land use systems in grassland dominated regions – Grassland science in Europe 9*. Proceedings of the 20th general meeting of the European Grassland Federation, Luzern, Switzerland 611–613.
- Pavlů L., Pavlů V., Gaisler J., Hejzman M., Mikulka J. (2010): Vliv dlouhodobého kosení versus opuštění na vegetaci horské louky (*Polygono-Trisetion*). Book of abstracts from the conference “Meadows: biodiversity and management”, Třeboň 20. – 21. 3., 43.
- Pavlů V., Gaisler J., Hejzman M. (2006): Effect of different grazing intensities on some simple plant traits. *Grassland Science in Europe* 11: 140–142.
- Pavlů V., Gaisler J., Hejzman M., Mrkvička J. (2002): Effect of grazing intensity on quality and production of pasture sward (In Czech with English summary). In: Kohoutek A., Golda J. (Eds.): *Obhospodařování travních porostů a jejich využití skotem v době přibližování ČR do Evropské unie*. VÚRV, Praha 185–194.
- Pavlů V., J. Gaisler, L. Pavlů, M. Hejzman (2007): Effect of cessation of cutting and fertilization on plant species composition of upland grassland. Proceedings of international conference "Grassland Ecology VII", Banská Bystrica, 28.-30. 11. 2007, 289-296.
- Pavlů V., Hejzman M., Gaisler J. (2003): Effect of intensive and extensive grazing on sward structure (In Czech with English abstract). In: Kohoutek A., Pozdíšek J. (Eds.): *Ekologicky šetrné a ekonomicky přijatelné obhospodařování travních porostů*. VÚRV, Praha 275–282.
- Pavlů V., Hejzman M., Gaisler J. (2004): Seasonal changes of sward after imposing different grazing intensity on abandoned grassland. In: *Pasture Ecology Group Meeting* (Book of abstracts). University of Bonn, Germany.
- Pavlů V., Hejzman M., Gaisler J. (2006): Effect of intensive and extensive grazing on biomass production, sward density, species diversity, forage quality and animal performance. In: *Grassland-part of mountain agriculture and landscape*. VÚLP, Banská Bystrica, 169-175.
- Pavlů V., Hejzman M., Pavlu L., Gaisler J. (2002): Cover of *Trifolium repens* in seminatural and reseeded grassland under set stocking of heifers (In Czech with English summary). In: Kohoutek A., Golda J. (Eds.): *Obhospodařování travních porostů a jejich využití skotem v době přibližování ČR do Evropské unie*. VÚRV, Praha 105–112.
- Pavlů V., Hejzman M., Pavlů L., Gaisler J. (2004): Effect of grazing intensity on some vegetation traits. In: Vozár (Ed.): *Produkčné, ekologické a krajnotvorné funkcie trávnych ekosystémov a krmných plodín*. Slovenská poľnohospodárska univerzita, Nitra 113–118.

- Pavlů V., Hejčman M., Pavlů L., Gaisler J. (2005): The effect of different grazing managements on upland grassland. In: Milne (Ed.): *Pastoral systems in marginal environments*. Proceedings of a satellite workshop of the XXth International Grassland Congress, July 2005, Glasgow 134.
- Pavlů V., Isselstein J., Hejčman M. (2004): The effect of grazing management on the sward structure. In: *Pasture and animal – Book of proceedings*. Agronomická fakulta, Mendelova zemědělská a lesnická univerzita, Brno 188–193.
- Pavlů V., Schellberg J., Hejčman M. (2009): Extensification of grassland management in the Eifel Mountains (Germany). In: *Vegetation processes and human impact in a changing world*. 52nd international symposium of IAVS in Chania, Crete, Greece (Book of abstracts), 212.
- Schellberg J., Brüne K., Hejčman M. (2010): Plant functional trait expression in the Rengen Grassland Experiment. In: Schnyder H., Isselstein J., Taube F., Auerswald K., Schellberg J., Wachendorf M., Herrmann A., Gierus M., Wrage N., Hopkins A. (eds.): *Grassland in a changing world – Grassland science in Europe 15*. Proceedings of the 23th general meeting of the European Grassland Federation, Kiel, Germany 845–847.
- Schellberg J., Hejčman M. (2007): The Rengen Grassland Experiment (1941-2006) and its contribution to grassland ecology. *Grassland Science in Europe* 12: 512-515.
- Schellberg J., Hejčman M. (2007): The Rengen Grassland Experiment (1941-2006) and its contribution to grassland ecology. In: De Vlieghe A. and Carlier L. (Eds.): *Permanent and Temporary Grassland, Plant, Environment and Economy*. Occasional meeting of European Grassland Federation, Ghent, Belgium (Book of abstracts), 70.
- Semelová V., Hejčman M. (2006): Grass Garden in the Czech Republic: the oldest grassland fertilizer experiment in the world. Sborník z 7. Konference mladých vědeckých pracovníků - COYOUS, FLE ČZU, Praha 48 – 49.
- Semelová V., Remeš J., Vacek S., Podrázský V., Hejčman M. (2007): Amelioration of Spruce stand Mg deficiency by SILVAMIX fertilizer (In Czech with English summary). In: *Význam přírodě blízkých způsobů pěstování lesů pro jejich stabilitu, produkční a mimoprodukční funkce*. FLD ČZU, Praha 103 – 108.
- Součková K., Hejčman M. (2011): Využití izotopů dusíku v archeologii (Use of nitrogen isotopes in archaeology). In: *Sedmá Konference environmentální archeologie konaná ve dnech 9.-10. 2. 2011 – sborník abstraktů*. Archeologický ústav AVČR, Brno 34.
- Štětinová Z., Hejčman M., Hejčmanová P., Pavlů V. (2010): Selektivita pastvy jakovic na heterogenním porostu svazu *Cynosurion*. Book of abstracts from the conference “Meadows: biodiversity and management”, Třeboň 20. – 21. 3., 29.
- Strnad L., Hejčman M., Křišťálová V., Fričová K. (2010): Mechanical weeding of *Rumex obtusifolius* in grasslands. In: Schnyder H., Isselstein J., Taube F., Auerswald K., Schellberg J., Wachendorf M., Herrmann A., Gierus M., Wrage N., Hopkins A. (eds.): *Grassland in a changing world – Grassland science in Europe 15*. Proceedings of the 23th general meeting of the European Grassland Federation, Kiel, Germany 738–740.
- Száková J., Tlustoš P., Hejčman M. (2010): Využití dlouhodobých polních pokusů pro hodnocení změn mobility rizikových prvků v půdě. In: Vaněk V. (ed.): *Reasonable use of fertilizers – Proceedings of 16th International Conference*, 32–38.
- Tománková I., Hejčmanová P., Kotrba R., Špinko M., Hejčman M. (2006): Reakce antilopy losí (*Taurotragus oryx*) na rukou podávané atraktivní krmivo S (Reaction of *Taurotragus oryx* on food in hand). In: *Zborník abstraktů z 33. etologické*

konference konané 19. – 22. 4. 2006 v Jihlavě. Česká etologická společnost, Jihlava, 71.

- Vacek S., Simon J., Minx T., Šolc R., Hejčman M., Kačmar M. (2006): Struktura a vývoj přírodě blízkých lesních porostů s tisem červeným na modelových plochách v Chráněné krajinné oblasti Křivoklátsko (Structure and development of near-natural forest stands with English yew on model plots in Křivoklátsko Protected Landscape Area, In Czech with English summary). In: Vacek S. (Ed.): Zvýšení podílu přírodě blízké porostní složky lesů se zvláštním statutem ochrany – Sborník referátů z vědecké konference. MZLÚ, Brno 191 – 204.
- Vacek S., Podrázský V., Hejčman M., Remeš J. (2006): Effects of Mg fertilization of Norway spruce of the Šumava Mts. In: Research and education I. FLE, ČZU, Praha 167 – 172.

4. Chapters in books and books

- Gallová L., Hejčman M., Jarolímek J., Kubata K., Řezáč J. (2007): Hospodaření v chráněných krajinných oblastech (Management of ecosystems in landscape protected areas). Studijní materiál pro školení v Novém Jičíně (29. 3. – 30. 3. 2007) v rámci projektu „Sít' vzdělávacích a informačních center v chráněných krajinných oblastech ČR“. ČZU, Praha, 52 pp.
- Gaisler J., Pavlů V., Hejčman M. (2006): Mulčování travních porostů (Mulching of grasslands). In: Hrabě et al. (Eds.): Vše pro trávy a jetelotrávy. Ing. Petr Baštan, Brno 49-50.
- Hejčman M. (2002): Pastva v chráněných územích (Grazing in protected areas). In: Pavlů (Ed.): *Pastvinářství (Pasture management)*. Asociace soukromého zemědělství ČR, Praha 92–95.
- Hejčman M., Chlapek J. (2004): Zásady péče o biotop T 2.1 subalpínské smilkové trávníky (Principles of management for *Nardus stricta* dominated subalpine grasslands). Zásady péče o nelesní biotopy v rámci soustavy NATURA 2000, *Planeta* (8): 88–89.
- Hejčman M., Mládková A., Vacek S., Pavlů V., Hejčmanová P., Laborewicz I. (2007): Zemědělství (Agriculture). In: Krkonoše – příroda, historie, život, Baset, Praha 767 – 772.
- Hejčman M., Pavlů V., Krahulec F. (2004): Pastva hospodářských zvířat (Livestock grazing), Zásady péče o nelesní biotopy v rámci soustavy NATURA 2000. *Planeta* (8): 9–13.
- Hejčman M., Schellberg J. (2009): Fertilizer Application on Grassland – History, Effects and Scientific Value of Long-Term Experimentation. In: Elsworth et al. (Eds.) *Fertilizers: Properties, Applications and Effects*. Nova Science Publishers, Inc., USA 83–107.
- Mládek J., Pavlů V., Hejčman M., Gaisler J., (Eds.) (2006): Pastva jako prostředek údržby travních porostů v chráněných územích (Livestock grazing as a management tool for grasslands in protected areas). VÚRV, Praha, 104 pp.
- Pavlů V., Gaisler J., Hejčman M. (2006): Extenzivní pastva a kvalita píce (Extensive grazing and forage quality). In: Hrabě et al. (Eds.): Vše pro trávy a jetelotrávy. Ing. Petr Baštan, Brno 42–43.
- Pavlů V., Hejčman M., Gaisler J. (2006): Pampeliška lékařská: plevel nebo vítaná rostlina v pastevních porostech (Dandelion – weed or useful plant on pastures)? In: Hrabě et al. (Eds.): Vše pro trávy a jetelotrávy. Ing. Petr Baštan, Brno 55-56.
- Podrázský V., Vacek S., Mikeska M., Boček M., Hejčman M. (2007): Půdy (Soils). In: Krkonoše: příroda, historie, život, Baset, Praha 135–146.

- Podrázský V., Vacek S., Vacek Z., Raj A., Mikeska M., Boček M., Schwarz O., Hošek J., Šach F., Černohous V., Bílek L., Hejzman M., Nosková I., Baláš M. (2010): Půdy lesů a ekosystémů nad horní hranicí lesa v národních parcích Krkonoš (Forest soils and soils of ecosystems above the tree line in the Krkonoše National Parks). Lesnická práce, Kostelec nad Černými lesy.
- Schellberg J., Hejzman M. (2008): Precision Fertilizer Management on Grassland. In: Elsworth et al. (Eds.) Fertilizers: Properties, Applications and Effects. Nova Science Publishers, Inc., USA 107–122.

5. Papers in professional journals

- Šrek P., Kunzová E., Hejzman M. (2012): Kvalita zrna pšenice v různých výrobních oblastech ČR (Grain quality of winter wheat in different cropping regions of the Czech Republic). *Úroda* 60 (4): 12–17.
- Šrek P., Kunzová E., Hejzman M. (2012): Klasický polní pokus s hnojením v Praze-Ruzyni (Classical field fertilizer experiment in Prague-Ruzyně). *Farmář* (3): 25–27.
- Bašta J., Hejzman M., Hejzmanová P. (2007): Durman obecný – nejen pouhý plevel (*Datura stramonium* – not only a weed). *Úroda* 55: 74–75.
- Gaisler J., Pavlů V., Hejzman M. (2005): Mulčování travních porostů – jedna z variant hospodaření (Mulching of grasslands – an alternative way of grassland management). *Úroda* 53 (5): 40–41.
- Hejzman M. (2002): Jak vstup do Evropské unie ovlivní život našich hor (How will entrance into European Union affect life in our mountains)? *Krkonoše* 38 (4): 6.
- Hejzman M. (2004): Jan Štursa pohledem mladého biologa (Jan Štursa in view of young biologist). *Krkonoše* 40 (12): 21.
- Hejzman M. (2006): Krkonošská legenda pohledem mladého přírodovědce (Legend of the Giant Mts. in view of young scientist). *Krkonoše* 42: 23.
- Hejzman M., Dvořák I. (2001): Kolik sněhu leží na Mapě republiky (How much snow is on a snow-bed called Map of Czechoslovakia)? *Krkonoše* 37 (1): 8–9.
- Hejzman M., Hejzmanová P., Klaudivová M., Pavlů V., Gaisler J., Honsová D. (2006): Orchideje našich travních porostů (Orchids of Czech grasslands). *Úroda* 54 (3): 63–65.
- Hejzman M., Hejzmanová P., Pavlů V., Gaisler J., Fučíková A. (2006): Ocún jesenní (*Colchicum autumnale*) aneb Výlet do světa jedovatých rostlin luk a pastvin (*Colchicum autumnale* – Trip into a world of poisonous plants of meadows and pastures). *Náš chov* 66 (3): 79–80.
- Hejzman M., Hejzmanová P., Vacek S., Pavlů V. (2006): Prudce jedovaté rostliny kolem nás – Kýchavice (Poisonous plants around us – *Veratrum* spp.). *Zahradnictví* 81 (12): 33.
- Hejzman M., Hejzmanová P., Vacek S., Pavlů V. (2006): Tis červený (*Taxus baccata*) – jedovatá dřevina kolem nás (*Taxus baccata* – poisoning woody species in our neighbour). *Obecní listy pro Měsíc a okolí* (2): 2.
- Hejzman M., Hejzmanová P., Vacek S., Pavlů V. (2006): Nebezpečná krása (Dangerous beauty). *Zahradnictví* 81 (6): 38–39.
- Hejzman M., Hejzmanová P., Vacek S., Pavlů V. (2006): Tis červený (*Taxus baccata*) – jedovatá dřevina kolem nás (*Taxus baccata* – poisoning woody species in our neighbour). *Lesnická práce* (10): 57.
- Hejzman M., Hofhanzl A. (2003): Agroenvironmentální programy ve Walesu (Agri-environmental schemes in Wales). *Ochrana přírody* 58 (2): 46–47.
- Hejzman M., Klaudivová M., Hakl J., Nežerková P., Štursa J., Pavlů V. (2005): Hnojení smilkových travních porostů aneb Může být druhová skladba ovlivněna i 37 let po ukončení aplikace hnojiv (Fertilization of *Nardus* grasslands – can be sward

- structure affected 37 years after termination of fertilizers application)? *Úroda* 53 (7): 35–37.
- Hejzman M., Klauďisov M., Honsov D., Schellberg J., Pavl V. (2005): Dlouhodob vzkum hnojen travnch porost (Long-term research of grassland fertilization). *Úroda* 53 (8): 3–5.
- Hejzman M., Krenov Z., Brabec J. (2001): Hoeek v ohroen – jedin podkrkonosk lokalit vzcnho hoeku nahoklho hroz znik (Gentian in danger – the only locality in Podkrkono is endangered). *Krkonoe* 37 (1): 13.
- Hejzman M., Neerkov P., Hakl J., Slavk M., Prchalov E., Pavl V., Gaisler J. (2005): Zkuenosti s oplocenm ovch pastvin (Experiences with fencing of sheep pastures) *N chov* 65 (9): 44–46.
- Hejzman M., Neerkov P., Lokvenc T., Pavl V. (2005): Trvy v oputn škole aneb O sukces v krkonosk arkt–alpsk tunde (Grasses in abandoned nursery: article about succession in arcto–alpine tundra in the Giant Mts.). *Vesmr* 84 (7): 409–412.
- Hejzman M., Neerkov P., Pavl V., Gaisler J. (2004): Krkonosk hebeny praktickm pohledem zemdlce (Ridges of the Giant Mountains by practical view of a farmer). *Úroda* 52 (10): 32–34.
- Hejzman M., Neerkov P., Pavl V., Gaisler J. (2004): Skotsk nhorn skot v extrmnch podmnkch Krkono (Highland cattle in extreme conditions of the Giant Mountains). *N chov* 64 (10): 31–34.
- Hejzman M., Neerkov P., Pavl V., Gaisler J. (2004): Smilka tuh na hebenech Krkono praktickm pohledem zemdlce (*Nardus stricta* on the top of the Giant Mountains by practical view of a farmer). *Krkonoe* 40 (11): 18–20.
- Hejzman M., Neerkov P., Pavl V., Gaisler J. (2005): Chov skotskho nhornho skotu v druhé zn Krkonoskho nrodnho parku (Highland cattle husbandry in the second zone of the Krkonoe National Park). *Ochrana prrody* 60 (4): 6–8.
- Hejzman M., Neerkov P., Pavl V., Gaisler J. (2005): Kapradiny naich luk a pastvin (Ferns of Czech meadows and pastures). *Úroda* 53 (10): 38–39.
- Hejzman M., Pavl V. (2001): Skotsk nhorn skot na Rychorch (Highland cattle on the Rychory). *Krkonoe* 37 (3): 4–5.
- Hejzman M., Pavl V. (2010): Hnojen – novodob nstroj nebo odvk souast zemdlstv (Fertilizer application – New time measure or integral part of the agriculture)? *Vesmr* 89 (10): 598–601.
- Hejzman M., Pavl V. (2003): Jak pastva skotskho nhornho skotu ovlivuje vegetaci (How grazing of Highland cattle influence sward structure)? *Krkonoe* 39 (5): 22–23.
- Hejzman M., Pavl V. (2003): Pastva skotskho nhornho skotu v Krkonoch (Highland cattle grazing in the Giant Mountains). *Úroda* 51 (5): 20–21.
- Hejzman M., Pavl V., Gaisler J. (2004): Pastva ovc a ochrana prrody (Sheep grazing and nature conservation). *Úroda* 52 (2): 38–39.
- Hejzman M., Pavl V., Neerkov P., Gaisler J. (2006): Historie pastvy hospodrskch zvrat v eskch zemch (History of livestock grazing in Czech). *N chov* 66 (3): 66–68.
- Hejzman M., Strnsk M. (2002): Nvrat hospodaen na Klnov boudy (Reestablishment of farming on Klnov boudy locality). *Krkonoe* 38 (4): 10–12.
- Hejzman M., araparka B., Pavl V. (2005): Travn porosty v ekologickm zpsobu hospodaen (Grasslands under organic farming). *Úroda* 53 (5): 48–49.
- Hejzmanov P., Hejzman M. (2006): Pbhy z hjenky aneb Jak se v na stodole potkala vzcn krysa s hojnm potkanem (Stories from garnekeeper lodge – How *Rathus rathus* and *R. norvegicus* met in our barn). *Obecn listy pro Mec a okol* (1): 2.

- Hejčmanová P., Hejčman M., Antonínová M., Verner P. H. (2008): Obnova stromové savany v západní Africe (Restoration of woody savannah in West Africa). *Vesmír* 87: 242-247.
- Hejčmanová P., Hejčman M., Kotrba R., Mojžíšová L. (2006): Afrika za humny aneb Přijďte se podívat na antilopy losí do Lán (Africa in our vicinity – Paper about antelope *Taurotragus orix* breed in Lány village). *Obecní listy pro Mšec a okolí* (3): 2.
- Hejčmanová P., Hejčman M., Verner P. H., Bejček V., Šťastný K. (2007): Mohou se nebezpeční škůdci krysa obecná a potkan vyskytovat pospolu (Can *Rattus rattus* and *Rattus norvegicus* live together)? *Farmář* 13 (1): 70–71.
- Honsová D., Hejčman M., Hrevušová (2007): Přeslička bahenní – obtížný luční plevel (*Equisetum palustre* – difficult weed of meadows)
- Honsová D., Hejčman M., Kotrba R., Klauďisová M. (2006): Kopřiva dvoudomá: plevel nebo plodina budoucnosti (*Urtica dioica*: weed or a crop of a future)? *Úroda* 54 (5): 39-41.
- Honsová D., Hejčman M., Klauďisová M. (2006): Jsou kopretiny v travních porostech žádoucí (Are chrysanthemum species desirable or undesirable plants in permanent grasslands)? *Úroda* 54 (8): 36–37.
- Klauďisová M., Hejčman M. (2004): Hořečky – mizející svědkové pravidelně obhospodařovaných extenzivních luk a pastvin (Gentians – disappearing witnesses of regularly managed extensive grasslands). *Úroda* 52 (6): 24–25.
- Kociánová M., Harčarik J., Hejčman M., Dvořák I. (2001): Výzkum na Labské louce I (Research on Labská meadow I). *Krkonoše* 37 (8): 4–5.
- Kociánová M., Harčarik J., Hejčman M., Dvořák I. (2001): Výzkum na Labské louce II (Research on Labská meadow II). *Krkonoše* 37 (9): 36–37.
- Kotrba R., Mojžíšová L., Hejčman M., Nežerková P., Antonínová M. (2004): Antilopa losí jako naděje pro české travní porosty (Common eland as a chance for Czech grasslands). *Náš chov* 64 (12): 66–68.
- Ludvíková V., Hejčman M., Pavlů V., Pazdera J. (2006): Jsou třezalky v travních porostech škodlivé (Are *Hypericum* species detrimental plants in grasslands)? *Úroda* 54 (10): 35-37.
- Nežerková P., Hejčman M. (2005): Niokolo Koba – Jak rozdílné mohou být národní parky (Niokolo Koba – How different can be National Parks). *Krkonoše* 41 (6): 43–45.
- Nežerková P., Hejčman M., Antonínová M. (2004): Záchrana antilopy Derbyho v Senegalu – přežije kriticky ohrožený druh v oborách (Preservation of western giant eland in Senegal – will critically endangered species survive in enclosures)? *Vesmír* 83 (6): 334–337.
- Pavlů L., Pavlů V., Gaisler J., Hejčman M. (2008): Šťovíky v travních porostech (*Rumex* species in grasslands). *Úroda* 56 (5): 20–22.
- Pavlů V., Gaisler J., Hejčman M. (2002): Vhodný pastevní systém (Suitable grazing systems). *Zemědělec* 10 (17): 10-11.
- Pavlů V., Gaisler J., Hejčman M. (2003): Intenzivní a extenzivní pastva jalovic (Intensive and extensive grazing of heifers). *Úroda* 51 (6): 37–39.
- Pavlů V., Gaisler J., Hejčman M. (2003): Je nutné přisévat jetel plazivý do pastevních porostů (Is it necessary to make strip seeding of white clover into pastures)? *Úroda* 51 (5): 16–17.
- Pavlů V., Gaisler J., Hejčman M. (2005): Extenzivní pastva a kvalita píce (Extensive grazing and forage quality). *Úroda* 53 (8): 1–3.
- Pavlů V., Gaisler J., Hejčman M., Isselstein J., (2005): Pampeliška lékařská na pastvinách: plevel nebo vítaná rostlina (*Taraxacum officinale* on pastures: weed or useful plant)? *Úroda* 53 (8): 14–15.

- Pavlů V., Hejzman M. (2003): Kvóty hospodářských zvířat a tvář krajiny – je možné udržet druhově bohaté louky (Livestock quotas and landscape – is it possible to keep up species rich grasslands)? *Vesmír* 82 (8): 435–436.
- Pavlů V., Hejzman M., Gaisler J. (2004): Ohrazení pastvin (Fencing of pastures). *Zemědělec* 12 (19): 10.
- Pavlů V., Hejzman M., Gaisler J. (2004): Pastevní systémy a technologie (Systems of grazing and technologies). *Zemědělec* 12 (19): 9–10.
- Pavlů V., Hejzman M., Gaisler J., Hejzmanová P. (2005): Je pampeliška lékařská plevel nebo užitečná rostlina (Is dandelion weed of useful plant)? *Obecní listy pro Měsíc a okolí* 3 (5): 2.
- Pavlů V., Hejzman M., Gaisler J., Hejzmanová P. (2006): Pampeliška – plevel nebo užitečná rostlina (Dandelion – weed or useful plant)? *Krkonoše* 42 (5): 10-11.
- Peterová J., Řičařová P., Hejzman M. (2000): Studium dynamiky šíření třtiny chloupkaté (*Calamagrostis villosa*) v prostoru Harrachovy louky (Study of dynamic of *Calamagrostis villosa* spread in Harrachov meadow locality). *Správa Krkonošského národního parku – Ročenka*: 16–18.
- Rauch O., Hejzman M., Březina S. (2000): Vliv pastvy na vegetaci na území KRNAP (Effect of grazing on sward structure in Krkonoše National Park). *Správa Krkonošského národního parku – Ročenka*: 18–21.
- Šrek P., Kunzová E., Hejzman M. (2011): Koncentrace As, Cd, Cu a Zn v hlízách brambor po 50 letech hnojení (Concentrations of As, Cd, Cu and Zn in potato tubers after 50 years of fertilizer application). *Úroda* (12): 27–30.
- Táborská L., Zavadil V., Hejzman M. (2006): Kalspot – unikátní mokřad Kladenska (Kalspot – unique wetland near Kladno town). *Ochrana přírody* 61(9): 270–273.