

## CURRICULUM VITAE

- 1. Name:** Jan Šipoš  
**2. Date and place of birth:** 29. 01. 1983, Ostrava  
**3. Nationality:** Czech  
**4. Phone, E-mail:** +420 737 777 513, jsipos@seznam.cz  
**5. Education:**

<i>Institution</i>	<i>Palacky University in Olomouc, Faculty of Science, Department of Ecology and Environmental Sciences</i>
<i>Date [from – to (month/year)]</i>	<i>09/2007 – 11/2013</i>
<i>Degree(s) or Diploma(s) obtained</i>	<i>Ph.D.</i>

<i>Institution</i>	<i>Swedish University of Agricultural Sciences</i>
<i>Date [from – to (month/year)]</i>	<i>08/2010 – 01/2011</i>
<i>Degree(s) or Diploma(s) obtained</i>	<i>Exchange studies</i>

<i>Institution</i>	<i>University of Ostrava, Faculty of Science, Department of Biology and Ecology</i>
<i>Date [from – to (month/year)]</i>	<i>09/2002 – 06/2007</i>
<i>Degree(s) or Diploma(s) obtained</i>	<i>Master's degree</i>

**6. Fields of scientific interest:**

- *Tri-trophic interactions between plant, herbivorous insects and their predators.*
- *Modelling predation rate on herbivorous insects in dependence on biotic and abiotic environmental factors.*
- *Predicting species extinction risk using species and its food plants ecological characteristics.*
- *Applying modern statistical analysis in R program (generalized linear and additive models, zero inflated and truncated models, non-parametrical models using splining methods, multivariate analysis (ordination ,NMDS, PCoA), mixed models with random effect and mixed marginal models).*
- *Modelling functional diversity (Functional richness, divergence, evenness, distance, RAO index) of the insects in the environmental gradients*
- *Examining the effect of landscape fragmentation on the species richness and composition of insects communities*
- *Modelling altitudinal trends in species diversity(problem of mid domain effect)*
- *Construction of null models for biological communities*

## 7. Professional experience:

Date [from – to (month/year)]	03/2011- 12/2014
Location	Č. Budějovice
Company/Organization	CZECHGLOBE Czech Academy of Sciences
Position	Postdoctoral Researcher
Description	statistical analysis of data

Date [from – to (month/year)]	09/2007 – 01/2013
Location	Olomouc
Company/Organization	Palacky University in Olomouc, Faculty of Science, Department of Ecology and Environmental Sciences
Position	external teacher
Description	Helping the students with bachelor and master theses, statistical analysis of data, occasional presentations. Teaching EKO/RSTA1 and EKO/RSTA2 (statistical analysis of biological data in R program)

Date [from – to (month/year)]	09/2012– present
Location	Ostrava
Company/Organization	University of Ostrava, Faculty of Science, Department of Biology and Ecology
Position	external teacher/ Postdoctoral Researcher
Description	Teaching EBE/RSTAT (statistical analysis of biological data in R program)

## 8. Implemented projects:

Date [from – to (month/year)]	Title and brief description	Position (investigator, co-investigator etc.)
2005-2007	VaV/620/15/03: "Effects of dwarf pine ( <i>Pinus mugo</i> ) on biotope and species diversity of arcto - alpine tundra in the eastern Sudety (CHKO Jeseníky, NPR Králický Sněžník)" – project granted by Czech Ministry of Environment.	member of research team
2007-2009	GA ČR 206/07/0811: "Host specialization and species diversity of bryophagous insect – analysis of key factors"	member of research team
2007-2011	SP/2D3/139/07: "Biodiversity conservation limits in fragmented landscape" – project granted by Czech Ministry of Environment	member of research team
2008-2010	SP/2d3/155/08: "Optimalization of organic farming and selected agri – environmental aquisitions with an emphasis on nature and landscape conservation".	member of research team

## 9. Publications:

<i>Author(s) + Year</i>	<i>Title</i>	<i>Journal</i>
<i>Drozd, P., Šipoš J. (2006) (published)</i>	<i>Potřebují ekologové kupovat software?</i>	<i>Environmental changes and biological assessment III (University of Ostrava)</i>
<i>Drozdová M., Šipoš J. &amp; Drozd P. (2009) (published)</i>	<i>Predation risk for insects living in moss cushions: comparison between different strata of mountain forest.</i>	<i>Nowellia bryologica, pp. 31-35.</i>
<i>Jan Šipoš, Tomáš Kuras and Monika Mazalová (2011) (published)</i>	<i>Enemy-free space</i>	<i>Vesmír</i>
<i>Ameixa O., Šipoš J., Kindlmann P., (2011) (published)</i>	<i>Life history strategies of Harmonia axyridis in a semi-natural habitat.</i>	<i>IOBC-WPRS Bulletin</i>
<i>Šipoš J., Glinwood R., Kvastegård E., Baffoe K.O., Sharmin K., Kindlmann P., (2011) (published)</i>	<i>Effect of plant and prey densities on searching behaviour of an invasive ladybird.</i>	<i>IOBC-WPRS Bulletin</i>
<i>Cerna, K., Kuras, T., Sipos, J., Kindlmann, P. (2012) (published)</i>	<i>Lepidopteran species richness of alpine sites in the High Sudetes Mts.: effect of area and isolation</i>	<i>Journal of insect conservation</i>
<i>Jan Šipoš, Michaela Drozdová and Pavel Drozd (2012) (published)</i>	<i>Effect of canopy openness on the pressure of predatory arthropods and birds on epigeic insects</i>	<i>Central European journal of Biology</i>
<i>Jan Šipoš, Emma Kvastegård, Kwabena Owusu Baffoe, Kawshar Sharmin, Robert Glinwood, Pavel Kindlmann, (2012) (published)</i>	<i>Differences in the predatory behaviour of male and female ladybird beetles (Coccinellidae)</i>	<i>European Journal of Environmental Sciences</i>
<i>Filip Harabiš, Aleš Dolný, Jan Šipoš (2012) (published)</i>	<i>Enigmatic adult overwintering in damselflies: as weaker intraguild competitors coexist due to niche separation in time</i>	<i>Population Ecology</i>
<i>Jan Šipoš &amp; Pavel Kindlmann (2013) (published)</i>	<i>Effect of the canopy complexity of trees on the rate of predation of insects</i>	<i>Journal of Applied Entomology</i>
<i>J. Šipoš, M. Drozdová &amp; P. Drozd (2013) (published)</i>	<i>Assessment of predation pressure trends among forest microhabitats on insects in temperate forest</i>	<i>Agricultural and Forest Entomology</i>
<i>Michaela Drozdová, Jan Šipoš and Pavel Drozd (2013) (published)</i>	<i>Key factors affecting the predation risk on insects on leaves in temperate floodplain forest</i>	<i>European Journal of Entomology</i>
<i>J Kašák, M Mazalová, J</i>	<i>The effect of alpine ski-slopes on epigeic</i>	<i>Journal of insect</i>

Šipoš, T Kuras (2013) (published)	<i>beetles: does even a nature-friendly management make a change?</i>	<i>conservation</i>
P Drozd, J Šipoš (2013) (published)	R for all (I): Introduction to the new age of biological analyses	<i>Casopis slezského zemskeho muzea</i>
Cerna, K., Kuras, T., Sipos, J., Kindlmann, P. (2014) (submitted)	<i>Dwarf pine (Pinus mugo) expansion is threatening endangered butterflies associated with alpine habitats in the High Sudetes Mts.</i>	<i>Journal of insect conservation</i>
Stanislav Rada, Monika Mazalova, Jan Sipos, Tomáš Kuras (2014) (published)	<i>Impacts of mowing, grazing and edge effect on orthoptera of submontane grasslands: perspectives for biodiversity protection</i>	<i>Polish journal of ecology</i>
Olga MCC Ameixa, Radka Dvořáková, Jan Šipoš, Pavel Kindlmann (2014) (published)	<i>Influence of species composition of biocorridors on the abundance of aphids in cereal fields</i>	<i>European Journal of Environmental Sciences</i>
Prakash Kumar Paudel, Jan Šipoš (2014)(published)	<i>Conservation status affects elevational gradient in bird diversity in the Himalaya: A new perspective</i>	<i>Global Ecology and Conservation</i>

## 10. Other relevant information:

### Conferences

Šipoš, J., Drozd, P. *Vertical Stratification of insect predation in temperate flood-plain forest In: Zoological days in Brno (2004). 103-104. ISBN 80-903329-1-9.*

Šipoš, J., Drozd, P. *Predation pressure on entomocenosis structure: analysis of main factors. In: Zoological days in Brno (2007). 96-97. ISBN 978-80-903329-7-3.*

Šipoš, J., Drozd, P. *Diurnal changes of predation rate on entomocenose. In: Kostelecké inspirování. Praha: ČZU Faculty of forestry and environmental (2007). 31-31. ISBN 978-80-213-1624-9.*

Drozdová M., Šipoš J., Drozd P. *Composition of insect predators in temperate forests In: Zoological days in České Budějovice (2008). ISBN 978-80-87189-00-9*

Šipoš J., Drozdová M., & Drozd P. *Spatial variance and heterogeneity in composition in guild of predators of herbivorous insect. In: Environmental changes and biological assessment IV Ostrava (2008).*

Šipoš J., Drozdová M., & Drozd P. *Spatial stratification and composition of insect predators in submontane level of Beskydy and Jeseníky mountains In: Zoological days in Brno (2009). ISBN 978-80-87189-03-0.*

Drozdová M., Šipoš J. & Drozd P. *Predation risk for insects living in moss cushions: comparison between different strata of mountain forest. Nowellia bryologica 38: 31-35. International Bryological conference in Belgium 2009.*

Zedek M., Šipoš J., & Kuras T., *Connectivity of forest fragments from the view of species richness and diversity of the spiders In: Zoological days in Praha (2010) .ISBN 978-80-87189-07-8.*

- Šipoš J., & Drozd P. Does age of forest vegetation influences predation pressure on herbivorous insect? In: *Zoological days in Praha (2010)*. ISBN 978-80-87189-07-8.
- Šipoš J., Kašák J., & Kuras T., Is it possible to determine optimal landscape connectivity with regard to biodiversity? In: *Zoological days in Praha (2010)*. ISBN 978-80-87189-07-8
- Harabiš F., Dolný A., Šipoš J., Enigmatic overwintering of dragonflies: advantages, disadvantages, context. In: *Zoological days in Brno (2011)*. ISBN 978-80-87189-09-2
- Šipoš J., Glinwood R., Kvastegard E., Owus Baffoe K., Sharmin K., Kindlmann P., Effect of plant and prey densities on searching behaviour of an invasive ladybird. In: *Benefits and Risks of Exotic Biological Control Agents, Hluboka Czech Republic (2011)*.
- Ameixa O., Šipoš J., Kindlmann P., Life history strategies of *Harmonia axyridis* in a semi-natural habitat. In: *Benefits and Risks of Exotic Biological Control Agents, Hluboka Czech Republic 2011*.
- Trnka F., Šipoš J., Kuras T., Weevils: Important model group to predict threatened status of herbivorous invertebrates. In: *Zoological days in Olomouc (2012)*. ISBN 978-80-87189-11-5
- Šipoš J., Kuras T., Pavlatova M., Predicting the risk of extinction for moths and butterflies by using shared ecological features of species and its larval food plants. In: *XXIV International congress of entomology, Daegu, Korea (2012)*.
- Trnka F., Šipoš J., Kuras T., Weevils: Important model group to predict threatened status of herbivorous invertebrates. In: *Zoological days in Olomouc (2012)*. ISBN 978-80-87189-11-5
- Drozd P., Šipoš J., et al., Wazzuuuup? How to search for insect in tree crowns. In: *Czech Society for Ecology. Proceedings from the conference in Brno (2013)*.
- Šipoš J., Kuras T., Pavlatova M., Predicting the risk of extinction for moths and butterflies by using shared ecological features of species and its larval food plants. In: *Lepiderological colloquium VII in Olomouc (2013)*. ISBN 978-80-244-3388-2
- Drábková L., Šipoš J., Tuf I.H., Personality of rough woodlouse - experiments with defense behavior. In: *Zoological days in Ostrava (2014)*. ISBN 978-80-87189-16-0
- Šipoš J., Volf M., et al. How much effort costs herbivores from tree crowns? Aerial platform for collecting insects from a tree layer. *Zoological days in Ostrava (2014)*. ISBN 978-80-87189-16-0
- Volf M., Drozd P., Šipoš J., et al., Examining latitudinal trends in diversity of herbivorous insect. Which factors determine its diversity? *Zoological days in Ostrava (2014)*. ISBN 978-80-87189-16-0