

---

# Martin Fikáček MSc. PhD.

## Curriculum vitae

---

Date of birth: 2/12/1981  
Nationality: Czech  
E-mail: [mfikacek@gmail.com](mailto:mfikacek@gmail.com)

ResearcherID: S-6157-2017  
ORCID: 0000-0002-2078-6798  
Scopus Author ID: 24472534400

### Online profiles:

Web: [www.cercyon.eu](http://www.cercyon.eu)

ResearchGate: [https://www.researchgate.net/profile/Martin\\_Fikáček2](https://www.researchgate.net/profile/Martin_Fikáček2)

GoogleScholar: <https://scholar.google.cz/citations?user=v6DjolUAAAAJ>

ORCID: <http://orcid.org/0000-0002-2078-6798>

---

### Research interests

- diversity, systematics and evolution of beetles
- molecular and morphological phylogenetics
- fossil record and its integration into phylogenetic studies
- island biogeography
- Coleoptera (especially aquatic and leaf litter lineages)
- taxonomy of hydrophiloid beetles
- morphology and biology of immature stages of Coleoptera

### Education

2006 MSc. in Zoology at Charles University, Prague, Czech Republic

**MSc Thesis:** *Primary chaetotaxy of the head of the hydrophiloid beetles (Coleoptera: Hydrophiloidea)*. Supervisor: David Král. Oponent. Petr Švácha (Czech Republic).

2010: PhD. in entomology at Charles University, Prague, Czech Republic.

**PhD thesis:** *Taxonomy, phylogeny and fossil record of selected groups of water scavenger beetles (Coleoptera: Hydrophiloidea)*. Supervisor: Jakub Prokop. Oponents: Michael S. Engel (USA), Michael Balke (Germany).

### Current working positions:

- Researcher and Collection Curator: National Museum in Prague, Department of Entomology (since 2010)
- Assistant Professor: Charles University in Prague, Faculty of Sciences, Department of Zoology (since 2012)
- Associate and Technical Editor: *Acta Entomologica Musei Nationalis Pragae* (since 2005).

### Past professional experience:

- Adjunct Research Associate, Museum of Natural History, University of Kansas, Lawrence, KS, USA (2010-2016)
- Subject editor for aquatic beetles: *ZooKeys* (2010-2015)

### Languages:

- English (fluent)
- Spanish (basic spoken), German (passive understanding), Czech (native speaker)

## Publication activity:

(complete list of publications attached as a separate file)

## Summary and statistics:

	Total	Web of Science
Total number of publications	122	81
Publications in 2013 - 2018	60	46
Number of citations		584
Number of citations w/o autocitations		321
H-index		12

## Selected recently published papers:

- Deler-Hernández A., Sykora V., Seidel M., Cala-Riquelme F., **Fikáček M.** (early view): Multiple origins of the Phaenonotum beetles in the Greater Antilles (Coleoptera: Hydrophilidae): phylogeny, biogeography and systematics. *Zoological Journal of the Linnean Society*, <https://doi.org/10.1093/zoolinnean/zlx071> [IF: 2.711]
- Fikáček M.**, Minoshima Y. N., Komarek A., Short A. E. Z., Huang D., Cai C.-Y. (2017) *Cretocrenis burmanicus*, the first Mesozoic amber inclusion of a water scavenger beetle (Coleoptera: Hydrophilidae). *Cretaceous Research* 77: 49-55. [IF: 2.015]
- Toussaint E. A. F., Seidel M., Arriaga-Varela E., Hájek J., Král D., Sekerka L., Short A. E. Z. & **Fikáček M.** (2017) The peril of dating beetles. *Systematic Entomology* 42(1): 1-10. [IF: 4.474]
- Krell F. T., Klimeš P., Rocha L. A., **Fikáček M.** & Miller S. E. (2016) Preserve specimens for reproducibility. *Nature* 539: 168. [IF: 40.137]
- Fikáček M.**, Maruyama M., Komatsu T., von Beeren C., Vondracek D. & Short A. E. Z. (2015): Protosternini (Coleoptera: Hydrophilidae) corroborated as monophyletic and its larva described for the first time: a review of the myrmecophilous genus *Sphaerocetum*. *Invertebrate Systematics* 29(1): 23-36. [IF: 2.172]
- Bloom D. D., **Fikáček M.** & Short A. E. Z. (2014): Clade age and diversification rate variation explain disparity in species richness among water scavenger beetle (Hydrophilidae) lineages. *PLOS One* 9(6): e98430, doi:10.1371/journal.pone.0098430. [IF: 2.806].
- Fikáček M.**, Prokin A., Yan E. Yue Y., Wang B., Ren D. & Beattie R. (2014): Modern hydrophilid clades present and widespread in the Late Jurassic and Early Cretaceous (Coleoptera: Hydrophiloidea: Hydrophilidae). *Zoological Journal of the Linnean Society* 170: 710-734. [IF: 2.711].
- Short A. E. Z. & **Fikáček M.** (2013): Molecular Phylogeny, Evolution, and Classification of the Hydrophilidae (Coleoptera). *Systematic Entomology* 38: 723-752. [IF: 4.474].
- Fikáček M.**, Prokin A. A., Angus R. B., Ponomarenko A. G., Yue Y., Ren D. & Prokop J. (2012): Phylogeny and the fossil record of the Helophoridae reveal Jurassic origin of modern hydrophiloid lineages (Coleoptera: Polyphaga). *Systematic Entomology* 37: 420-447. [IF: 4.474]

## Internships:

Year	Institution and activity	Length
2007	Zoologische Staatssammlung, München, Germany, Michael Balke Lab (training in methods of molecular taxonomy)	1 month
2009	University of Kansas, Lawrence, USA, Andrew Short Lab (cooperation on joint taxonomic research)	1 month
2010	Landcare Research, New Zealand Arthropod Collection (cooperation with dr. R. A. B. Leschen on NZ Hydrophilidae).	1 month
2011	Institute of Entomology, Life Science School, Sun Yat-sen University, Guangzhou (cooperation with F.-L. Jia on systematics of Chinese Hydrophilidae)	1 month

2014	Landcare Research, New Zealand Arthropod Collection (cooperation with dr. R. A. B. Leschen on NZ Hydrophilidae).	1 month
2016	Landcare Research, New Zealand Arthropod Collection (cooperation with dr. R. A. B. Leschen on NZ Hydrophilidae).	2 months
2017	Landcare Research, New Zealand Arthropod Collection (cooperation with dr. R. A. B. Leschen on NZ Hydrophilidae).	1 month

### Grants (in PI or co-PI position):

- 2015-2018: European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant: *BIG4: Biosystematics, informatics and genomics of the big 4 insect groups: training tomorrow's researchers and entrepreneurs*. <http://big4-project.eu/> (co-PI)
- 2013: SYNTHESYS grant: *Revision of the New Zealand hydrophilid beetles from the collections of D. Sharp and T. Broun* (project in the Museum of Natural History, London, UK).
- 2012-2014: Grant Agency of the Czech Republic: *Ancient habitat shifts from water to dry land: phylogeny and biogeography of the Gondwanan Sphaeridiinae*. (PI)
- 2009-2011: Grant Agency of the Czech Academy of Sciences: *Comparative morphology of fossils hydrophiloid beetles and their significance for the phylogeny reconstruction of the superfamily (Coleoptera: Hydrophiloidea)*. (PI)
- 2008: SYNTHESYS grant: *Fossil hydrophilids of the Eocene amber from the Paris basin* (project in Museum d'Histoire Naturelle, Paris, France).
- 2007: SYNTHESYS grant: *Taxonomy of the Georissidae and selected groups of the Sphaeridiinae from the Arabian Peninsula and Oriental Region* (project in the Institute des Sciences Naturelles de Belgique, Brussels, Belgium).
- 2007-2009: Grant Agency of the Charles University: *Phylogeny and biodiversity of the hydrophiloid beetles: fossil versus recent taxa and adult versus larval morphology*. (PI)
- 2005-2006: Grant Agency of the Charles University in Prague: *Evolutionary trends and biosystematics of the Hydrophiloidea (Coleoptera)*.

### Teaching:

- 2018 (planned) course assistant of *Beetle Systematics Workshop* (Czech University of Life Sciences, main lecturers: R. A. B Leschen and H. Escalona, 8-21. July 2018). <http://beetles.fzp.czu.cz/>
- 2010-2018: main lecturer of *Diversity of Insects* (MSc. course in English, Charles University in Prague)
- 2010-2018: associated lecturer of *Biology of Aquatic Animals* (lecture about aquatic beetles, Charles University in Prague)
- 2012-2018 field lab instructor of *Biology of the terrestrial ecosystems* (Charles University in Prague,).
- 2015-2016: associated lecturer of *Advanced Entomology* (lecture about the application of fossil data in studies of recent insect groups, Masaryk University, Brno).
- 2014: lab instructor of *Beetle Systematics Workshop* (Czech University of Life Sciences, main lecturers: R. A. B Leschen and H. Escalona, 6-19. July 2014).

### Supervised students (all at Department of Zoology, Charles University, Prague)

	Supervised at the moment	Finished
PhD students	3 (to be finished in 9/2019)	1
MSc. students	1 (to be finished in 9/2019)	1
Undergraduate students	0	2

### **Supervised student grants:**

- 2018-2020: Grant Agency of the Charles University: Jumping beetles as winners in passive dispersal: evolutionary dynamics and biogeography of wingless moss-inhabiting beetles. (PI: Albert Damaška, grant project is funding his MSc. project).
- 2017-2019: Grant Agency of the Charles University: Stream life on a shaky island: analysis of the evolutionary history and speciation processes of New Zealand stream-inhabiting beetles . (PI: Vít Sýkora, grant project is funding his PhD. project).
- 2016: SYNTHESYS project CZ-TAF-5815: Taxonomic revision of the genus Cetiocyon Hansen, 1990 (Coleoptera: Hydrophilidae) of New Guinea (PI: Wonjciech Szczepański, grant project was funding his stay in Prague and the training in methods on beetles systematics and phylogenetics).

### **Field-work:**

- 2006: Ecuador (5 weeks)
- 2008: SW India (5 weeks)
- 2010: New Zealand (1 week)
- 2011: S China (4 weeks)
- 2012: E Cuba (4 weeks)  
New Zealand (4 weeks)
- 2013: SW China (2 weeks)  
Chile (5 weeks)
- 2014: Dominican Republic (5 weeks)
- 2015: Republic of South Africa (4 weeks)
- 2016: New Zealand (7 weeks)  
Puerto Rico (2 weeks)
- 2017: Panama (3 weeks)  
New Zealand (4 weeks)