

Prof. Mgr. Jan Šobotník, Ph.D.

Born: 9th of May 1974 in České Budějovice, Czech Republic

Status: married, 2 kids (2008, 2013)

Education:

1992 – 1995 Bc., *Faculty of Science, University of South Bohemia*

1995 – 1997 M.Sc., *Faculty of Sciences, Charles University*

1997 – 2003 Ph.D., *Faculty of Sciences, Charles University*

Since 2016 Associate professor at the *Czech University of Life Sciences*

Since 2023 Full professor at the *Czech University of Life Sciences*



Employed:

1997-2013 at the Institute of Organic Chemistry and Biochemistry, Czech Academy of Sciences

2006 Postdoctoral researcher at Université Libre de Bruxelles (tutor Prof. Yves Roisin)

2012-2019 Czech University of Life Sciences Prague, Faculty of Forestry and Wood Sciences

Since 2020 Czech University of Life Sciences Prague, Faculty of Tropical AgriSciences

Teaching: 4 courses: 100% on *Tropical Entomology*, 70% on *Crop Protection and agroecology* at CZU

40% on *Biology of Social Insects* and 30% on *General Entomology* at Charles University

Supervisor of more than 20 students (Bc., Mgr., Ing. and Ph.D.) with defended theses. Tutor of 12 Postdoctoral researchers so far.

More than **20 Invited or Plenary talks** at foreign Universities and International Conferences.

Field work: over three years in total spent on field campaigns, of which a year in Cameroon.

Scientific activities:

Author and co-author of 113 research articles in impacted journals (in 60 of them the first, the last or the corresponding author), 12 articles in national journals, 2 book chapters, and over 70 conference presentations.

Article reviews for international journals including *Ecology Letters*, *Current Biology*, *Proceedings of the Royal Society B: Biological Sciences*, *Communications Biology* and many others.

Scientometry (WoS): H-index 27, 2476 citations (332 in 2023), 1411 citing articles.

Scientometry (Scholar): H-index 33, 3655 citations (574 in 2021), i10 index 85.

5 selected publications:

1. Šobotník J., Bourguignon T., Hanus R., Demianová Z., Pytelková J., Mareš M., Foltýnová P., Preisler J., Cvačka J., Krasulová J. & Roisin Y. 2012: Explosive backpack in old termite workers. *Science* **337**: 436.

2. Šobotník J., Jirošová A. & Hanus R. 2010: Chemical warfare in termites. *J. Insect Physiol.* **56**: 1012-1021.

3. Romero Arias J., Hellemans S., Kaymak E., Akama P.D., Bourguignon T., Roisin Y., Scheffrahn R.H. & Šobotník J. 2024: Mitochondrial phylogenetics position a rare and enigmatic Afrotropical

termite into its own new subfamily, the Engelitermitinae (Blattodea: Termitidae). *Systematic Entomology* **49**: 72-83.

4. Buček A., Šobotník J., He S., Shi M., McMahon D.P., Holmes E.C., Roisin Y., Lo N. & Bourguignon T. 2019: Evolution of termite symbiosis informed by transcriptome-based phylogenies. *Current Biology* **29**: 3728-3734.

5. Wen X.-L., Wen P., Dahlsjö C.A.L., Sillam-Dussès D. & Šobotník J. 2017: Breaking the cipher: ant eavesdropping on the variational trail pheromone of its termite prey. *Proc. R. Soc. B.* **284**: 20170121.

Projects: Principal investigator of more than 10 projects with overall budget ≈ 3 M €, team member of more than 20 additional projects.

More about JŠ:

<https://orcid.org/0000-0002-8581-637X>

<https://scholar.google.com/citations?hl=cs&user=HRU-zNkAAAAJ>

<facebook.com/TermiteResearchTeam>

<https://termiti.czu.cz/en/>

<https://home.czu.cz/en/sobotnik/home>