

CURRICULUM VITAE

Dr. Martin Nyffeler

Senior Lecturer in Zoology
Department of Environmental Sciences
University of Basel

Ph.D. ETH Zurich – Swiss Federal Institute of Technology, 1982



Place of Birth: Zurich, Switzerland

Citizenship: Switzerland

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<http://www.conservation.unibas.ch/team/nyffeler/>

RESEARCH INTERESTS

- Ecology and behavior of spiders
- Spiders as biological control agents of insect pests
- The role of spiders and insectivorous birds in the balance of nature on a global scale
- Predaceous arthropods preying on vertebrates

COURSES TAUGHT

- University of Basel - Course 10564-01
- University of Basel - Course 12239-01
- University of Basel – Course 39452-01 (co-lecturer in a lecture series in collaboration with 11 other lecturers)

EDUCATION

- Habilitation (= University Lecturing Qualification)
Faculty of Natural Sciences, University of Bern, Switzerland, 1996
Habilitation Thesis “*Spiders as biological control agents in cotton plantations in Texas*”
Committee Chair: The Dean Prof. Dr. H. Bebie
- Postdoctoral research – Department of Entomology, Texas A&M University, USA, 1985-86, 1988-94
Mentor: Prof. Dr. W.L. Sterling
- Ph.D. Natural Sciences (Entomology) – ETH Zurich (Swiss Federal Institute of Technology), 1982
Dissertation “*Field studies on the ecological role of the spiders as insect predators in agroecosystems (abandoned grassland, meadows, and cereal fields)*” //funding: Swiss NSF
Doctoral Advisor: Prof. Dr. G. Benz
Co-Examiner I: Prof. Dr. M. Schaefer, Institute of Zoology, University of Göttingen
Co-Examiner II: Prof. Dr. W.H. Whitcomb, Dept. of Entomology, University of Florida
- M.Sc. Thesis in Entomology (grade: “very good”) – ETH Zurich (Swiss Federal Institute of Technology), 1976
Examiner: Prof. Dr. G. Benz
Co-Examiner: Prof. Dr. V. Delucchi
- Undergraduate / graduate studies – ETH Zurich (Swiss Federal Institute of Technology), 1970-76

ACADEMIC APPOINTMENTS

- Senior Lecturer in Zoology – Faculty of Natural Sciences, University of Basel, 2002-
- Lectureship (“Lehrauftrag”) – Zoological Institute, Faculty of Natural Sciences, University of Bern, 1994-2002
- Visiting Scientist – Department of Entomology, Texas A&M University, USA, 1985-86, 1988-94
- Swiss NSF Research Fellow – Dondale Lab, Agriculture & Agri-Food Canada, Ottawa, 1983-84

AWARDS AND HONORS

- Arnold Berliner Award 2019 sponsored by Springer Publishers, Heidelberg, Germany, for outstanding paper published in the journal “*Science of Nature*”
- Edwards Prize 2018 awarded by the Wilson Ornithological Society c/o University of Michigan, USA
<https://wilsonsociety.org/awards/edwards-prize/>
- Departmental Special Award for contributions to Arachnological Science, Texas A&M University, College Station, Texas, USA | awarded by Prof. Dr. R. Frisby, Head of the Entomology Department, 1994
- Fellowship for Prospective Researchers awarded by the Swiss National Science Foundation, 1983-1985
- Schläfli Prize of the Swiss Academy of Sciences for excellence of the Ph.D. Dissertation, 1983
- Silver Medal of ETH Zurich (Swiss Federal Institute of Technology) for excellent Ph.D. Dissertation, 1983
- 2nd Prize in Geology, 5th Swiss Science Fair in Basel | Contest-President: Prof. Dr. A. Portmann, 1971
- Silver Medal in Geology, 2nd Swiss Science Fair in Basel | Contest-President: Prof. Dr. A. Portmann, 1968

CITATIONS IN THE SCIENCE CITATION INDEX EXPANDED (THOMSON-REUTERS / CLARIVATE ANALYTICS 2020)



















>50 peer-reviewed scientific papers; >1800 citations (>1520 citations without self-citations); >1040 citing articles;
citations per paper \approx 34; h = 25; i10-index = 40; 🏆 Highly Cited Paper = 1 (in *Science of Nature*, April 2017)

REVIEWER FOR SCIENTIFIC JOURNALS

In the past I was an Ad Hoc reviewer for the following journals:

- *Acta Oecologica* (Paris, France)
- *Acta Zoologica Academiae Scientiarum Hungaricae* (Budapest, Hungary)
- *African Entomologist* (Hatfield, South Africa)
- *African Plant Protection* (Pretoria, South Africa)
- *Agriculture, Ecosystems & Environment* (Amsterdam, Netherlands)
- *Animal Behaviour* (London, UK)
- *Animal Biology* (Leiden, Netherlands)
- *Arachnology* (British Arachnological Society)
- *Arachnologische Mitteilungen* (Basel, Switzerl.)
- *Behavioural Processes* (Amsterdam, Netherlands)
- *BioControl* (Dordrecht, Netherlands)
- *Biocontrol Science and Technology* (Abingdon, UK)
- *Biologia* (Warsaw, Poland)
- *Biological Control* (San Diego, USA)
- *Biotropica* (Oxford, UK)
- *Bulletin of Entomological Research* (Cambridge, UK)
- *Ecography* (Oxford, UK)
- *Ecological Applications* (Washington DC, USA)
- *Ecology and Evolution* (Hoboken, USA)
- *Ekologia* (Bratislava, Slovakia)
- *Entomologia Experimentalis et Applicata* (Oxford, UK)
- *Entomologica Fennica* (Helsinki, Finland)
- *Entomophaga* (Paris, France)
- *Environmental Entomology* (Lanham, USA)
- *European Journal of Entomology* (Ceske Budejovice, Czech Republic)
- *Functional Ecology* (Oxford, UK)
- *Global Ecology and Biogeography* (Hoboken, USA)
- *Journal of Applied Entomology* (Oxford, UK)
- *Journal of Arachnology* (College Park, USA)
- *Journal of Insect Behavior* (New York, USA)
- *Journal of Pest Science* (Heidelberg, Germany)
- *Memoirs of the Queensland Museum* (Brisbane, Australia)
- *National Geographic Society* (Washington DC, USA)
- *New Zealand Journal of Zoology* (Wellington, New Zealand)
- *Oecologia* (New York, USA)
- *Ornithologischer Beobachter* (Sempach, Switzerland)

PUBLICATIONS IN PEER-REVIEWED SCIENTIFIC JOURNALS (1978-2020)

<i>JOURNAL OF APPLIED ENTOMOLOGY</i>	13	23.2 %	
<i>JOURNAL OF ARACHNOLOGY</i>	8	14.3 %	
<i>ENVIRONMENTAL ENTOMOLOGY</i>	7	12.5 %	
<i>JOURNAL OF PEST SCIENCE (= ANZEIGER FÜR SCHAEDLINGSKUNDE, UMWELTSCHUTZ UND PFLANZENSCHUTZ)</i>	4	7.1 %	
<i>REVUE SUISSE DE ZOOLOGIE</i>	4	7.1 %	
<i>SOUTHWESTERN ENTOMOLOGIST</i>	3	5.4 %	
<i>ARACHNOLOGY (= BULLETIN OF THE BRITISH ARACHNOLOGICAL SOCIETY)</i>	2	3.6 %	
<i>BIOCONTROL (= ENTOMOPHAGA)</i>	2	3.6 %	
<i>DEUTSCHE ENTOMOLOGISCHE ZEITSCHRIFT</i>	2	3.6 %	
<i>PLOS ONE</i>	2	3.6 %	
<i>SCIENCE OF NATURE (= NATURWISSENSCHAFTEN)</i>	2	3.6 %	
<i>AGRICULTURE ECOSYSTEMS ENVIRONMENT</i>	1	1.8 %	
<i>CANADIAN JOURNAL OF ZOOLOGY</i>	1	1.8 %	
<i>ECOLOGICAL ENTOMOLOGY</i>	1	1.8 %	
<i>INSECTS</i>	1	1.8 %	
<i>NATURAL HISTORY MAGAZINE</i>	1	1.8 %	
<i>SOUTHWESTERN NATURALIST</i>	1	1.8 %	
<i>WILSON JOURNAL OF ORNITHOLOGY</i>	1	1.8 %	

MEDIA ATTENTION (2013-2020)

Martin Nyffeler & Mirjam Knörnschild (2013) Bat Predation by Spiders. PLOS ONE
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0058120> Altmetrics score = 398 (in top 5% of all research outputs) >61,100 views

Highlighted by:

● Fox News ● NBC News ● CBS News ● Yahoo News ● Huffington Post ● Toronto Sun ● Metro News
 ● Examiner ● Inquisitr ● CS Montitor ● Sierra Magazine ● TreeHugger ● Live Science ● Science Alert
 ● American Scientist ● Wired ● Wikipedia ● YouTube ● Tierwelt ● Blick ● 20 Minuten ● USA breaking news net ● Sciences et Avenir.fr

Martin Nyffeler & Bradley Pusey (2014) Fish Predation by Semi-Aquatic Spiders: A Global Pattern. PLOS ONE
<http://dx.plos.org/10.1371/journal.pone.0099459> Altmetrics score = 715 (in top 5% of all research outputs)
 >41,600 views

Highlighted by:

● Science Magazine ● Scientific American ● Science News ● New Scientist ● Nature.com ● BBC ● Reuters
 ● Yahoo News ● CBS News ● National Geographic ● Australian Geographic ● Smithsonian Magazine
 ● Audubon Magazine ● Phys Org ● Discovery News ● XINUA ● TIME ● The Guardian ● Independent
 ● USA Today ● Newsweek ● U.S. News & World Report ● Los Angeles Times ● Chicago Tribune
 ● Huffington Post ● ABC Science ● CS Monitor ● Entomology Today ● TreeHugger ● Wikipedia ● YouTube
 ● Wired ● Focus ● Tierwelt ● Blick ● 20 Minuten ● Eurekalert


Martin Nyffeler, Eric Olson & William Symondson (2016) Plant-eating by spiders. Journal of Arachnology 44:15-27. http://www.americanarachnology.org/JoA_free/JoA_v44_n1/ arac-44-1-15.pdf

Altmetrics score = 271 (in top 5% of all research outputs)

Highlighted by:

• Yahoo News • CBBC Newsround • Live Science • Science News • ScienceDaily • Phys Org
• Science and Life Russia • Entomology Today • National Geographic (Polish) • Oregon Herald
• Jersey Tribune • Maine News Online • Spektrum der Wissenschaft • Naturwissenschaftliche
Rundschau • Uni Nova • 20 Minuten • Wikipedia • Eurekalert

Martin Nyffeler & Klaus Birkhofer (2017) An estimated 400–800 million tons of prey are annually killed by the global spider community. Science of Nature 104: 30. <https://link.springer.com/article/10.1007/s00114-017-1440-1>

Altmetrics score = >2000 (in top 5% of all research outputs) 70,000 downloads  **Highly Cited Paper**

Highlighted by:

• Science Magazine • Scientific American • New Scientist • Live Science • Science Daily • Phys Org
• Smithsonian Magazine • The Economist • BBC News • CNN News • CBC News • Canada News
• Global News Canada • Yahoo News • Euro News • USA Today • Washington Post • Boston Globe
• Houston Chronicle • San Francisco Chronicle • Denver Post • New York Post • Chicago Daily Herald
• Chicago Tribune • Miami Herald • Toronto Star • Huffington Post • Guardian • Telegraph • Independent
• The Inquisitr • The Herald • The Times • The Express • Metro News • Mirror • Daily Mail • The Sun
• Wikipedia • Eurekalert

Nyffeler, M., Edwards, G. B., & Krysko, K. L. (2017). A vertebrate-eating jumping spider (Araneae: Salticidae) from Florida, USA. Journal of Arachnology, 45: 238-241. **Altmetric Score = 131 (in top 5% of all research outputs)**

Highlighted by:

• National Geographic • Phys Org • Daily Mail • Mental Floss • International Business Times • Inquirer
• The Nation • Mother Nature Network • True Viral News • Long Room • Sputnik News

Martin Nyffeler, Michael R. Maxwell & J. V. Remsen (2017). "Bird predation by praying mantises: A global perspective." The Wilson Journal of Ornithology 129.2: 331-344. **Altmetrics score = >600 (in top 5% of all research outputs)**

Highlighted by:

• New York Times • NewsWeek • Huffington Post • Breitbarth • Daily Mail • Yahoo News • CBC News
• Scientific American • Live Science • Science Daily • Phys Org • Eurekalert • National Geographic (Italia)
• Natural History • National Wildlife • TreeHugger • Neue Zürcher Zeitung • Wikipedia • TV stations across
U.S.A. • Sience.ORF.at • derstandard.at • sr.fullersociety.com

Martin Nyffeler, M., Cagan Şekerçioğlu & Christopher Whelan (2018). Insectivorous birds consume an estimated 400–500 million tons of prey annually. The Science of Nature, 105: 47.

Altmetric score = 499 (in top 5% of all research outputs) 10,000 downloads

Highlighted by:

• USA Today • Florida Today • U.S. News & World Report • Forbes • Science Daily • Phys Org
• Eurekalert • Detroit Free Press • Dayton Daily News • News Center Maine • Crystal Beach Lokal News
• Express (UK) • Le Figaro • Sci-News • Scientific Inquirer • Science Magazine • Scientias.nl • Sciences
et Avenir • PhysicsWorld • Anthropocene Magazine • FarmWeek • The Wildlife Society • National Wildlife
• ClimateChange • Jersey Tribune • Latest Nigerian News • Wikipedia • TV stations across U.S.A.

Arnold Berliner Award 2019 goes to Martin Nyffeler

“Swiss scientist is honored for his work on the global predation impact of insectivorous birds“
Springer Press Release Heidelberg | London 14 August 2019

Highlighted by:

• Eureka!ert • Science of Nature • Swiss Academy of Sciences • University of Basel