Dimitar Stefanov **Dimitrov**

Natural History Museum, University Museum of Bergen,
University of Bergen, P.O. Box 7800, 5020 Bergen, Norway
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EDUCATION

2005. Ph.D. in Zoology. University of Barcelona. Barcelona, Spain.

1998. M.S. in Biology. Sofia University "Saint Climent Ohridsky". Sofia, Bulgaria.

PROFESSIONAL EXPERIENCE AND AFFILIATIONS

2018– present. Associate Professor of Systematic Entomology and Entomology Curator, Department of Natural History, University Museum of Bergen, University of Bergen.

2021 – present. Honorary Research Fellow in the Centre for the Exploration of the Deep Human Journey, University of the Witwatersrand, South Africa.

2019 – present. Deutsche Forschungsgemeinschaft (DFG) Mercator Fellow. Zoological Research Museum Alexander Koenig, Bonn.

2010 – present. *Adjunct Research Associate.* Department of Biological Sciences, The George Washington University.

2013 – 2021. Affiliate Member, Evolutionary Studies Institute, University of the Witwatersrand, South Africa.

2017 – 2019. *Guest Researcher*. Natural History Museum, University of Oslo.

2017 – 2018. *Postdoctoral Researcher*. Center for Macroecology, Evolution and Climate. Zoological Museum, University of Copenhagen.

2014 – 2018. Deutsche Forschungsgemeinschaft (DFG) Mercator Fellow. Zoological Research Museum Alexander Koenig, Bonn.

2012 – 2017. *Postdoctoral Researcher*. Natural History Museum, University of Oslo.

2010 – 2012. *Postdoctoral Researcher*. Center for Macroecology, Evolution and Climate. Zoological Museum, University of Copenhagen.

2005 –2009. *Postdoctoral Researcher*. Department of Biological Sciences, The George Washington University.

GRANTS AND AWARDS

2021. **SPIRE**. Support for visiting researcher (28,000 NOK).

2021. **Meltzerfondet.** Support for travel (15,000 NOK).

2019. **Action Plan for University of Bergen – China cooperation**. Support for travel and teaching phylogenetics workshops in China (52,300 NOK).

2019. **Meltzerfondet**. Support for travel (20,000 NOK).

2015 – 2018. *__National Science Foundation grant (DEB-1457300)__: Phylogeny and diversification of the orb weaving spiders (Orbiculariae, Araneae). Lead senior researcher with PIs G. Hormiga and G. Giribet. (487,536 USD)

I am listed in this proposal as a lead senior researcher rather than PI due to eligibility restrictions; however, I participated in the intellectual development, planning and writing of this proposal.

2014 – 2018. **Deutsche Forschungsgemeinschaft (DFG) project**: Asian pholcid spiders: diversity, phylogenetic relationships, and multiple convergent shifts among microhabitats. Co-applicant (co-PI) with Dr. Bernhard Huber (PI). (166,496 Euros).

2012 – 2017. **Postdoctoral fellowship** The Natural History Museum, University of Oslo.

2012 – **Grant from the Willi Hennig Society** to support a Traits Evolution symposium during the XXXI Hennig meeting (2,700 USD).

2010 – 2012. **Postdoctoral fellowship** The Program of Excellence in Macroecology and Evolution at the University of Copenhagen.

2007 – 2009. **Postdoctoral fellowship** Selective excellence program, The George Washington University.

2007. Travel grant to attend the 17th International Congress of Arachnology.

2005 – 2007. **NSF-PEET postdoctoral fellowship**: as part of the NSF award DEB-0328644 "Systematics and Monography of Araneoid Spiders".

2004. Travel grant from Barcelona University to attend the 16th international Congress of Arachnology.

2004. Scholarship from Barcelona University to attend the Postgraduate course "Phylogeny and Genealogy of DNA: Reconstruction and Applications".

2001 – 2003. **Graduate Scholarship** University of Barcelona.

1998 – 2000. **C.I.H.E.A.M. scholarship** for attending courses and working at the Mediterranean Agronomic Institute of Chania.

1993 – 1998. **Scholarship for undergraduate student excellence** Sofia University

PEER-REVIEWED PUBLICATIONS

****** indicates mentored graduate student coauthor

62. **Dimitrov D**., Neves D.M., Xu X. 2022. **Editorial: Temporal and Large-Scale Spatial Patterns of Plant Diversity and Diversification**. *Frontiers in Ecology and. Evolution,* 10:894234. (doi: 10.3389/fevo.2022.894234)

61. Liu N., Hu H., Ma W., Deng Y., **Dimitrov D.**, Wang Q., Shrestha N., Su X., Feng K., Liu Y., Hao B., Zhang X., Feng X., Wang Z. 2022. Relationships between soil microbial diversities across an aridity gradient in temperate grasslands. *Microbial Ecology* (doi:10.1007/s00248-022-01997-8)

60. Xie H., Tang Y., Fu J., Chi X., Du W., **Dimitrov D.**, Liu J., Xi Z., Wu J., Xu X. 2022. **Diversity patterns and conservation gaps of Magnoliaceae species in China**. *Science of the Total Environment,* 813, 152665. (doi:10.1016/j.scitotenv.2021.152665)

59. Formenti G., Theissinger K., Fernandes C., Bista L., Bombarely A., Bleidorn C., Ciofi C., Crottini A., Godoy J.A., Höglund J., Malukiewicz J., Mouton A., Oomen R.A., Paez S., Palsbøll P.J., Pampoulie C., Ruiz-López M.J., Svardal H., Theofanopoulou C., Vries J. de, Waldvogel A-M., Zhang G., Mazzoni C.J., Jarvis E.D., Bálint M., and The European Reference Genome Atlas (ERGA) Consortium. 2022. **The era of reference genomes in conservation genomics**. *Trends in Ecology & Evolution* 37(3): 197-202. (doi:10.1016/j.tree.2021.11.008) – **Dimitrov D.** as part of the ERGA consortium co-authors.

58. Liu L., Xu X., Zhang L., Li Y., Shrestha N., Neves D.M., Wang Q., Chang H., Su X., Liu Y., Wu J., **Dimitrov D**., Wang Z., Liu J. 2022. **Global patterns of species richness of the holarctic alpine herb Saxifraga: The role of temperature and habitat heterogeneity**. *Journal of Plant Ecology*, 15 (2), 237-252. (doi:10.1093/jpe/rtab085)

57. Cerca J., Armstrong E.E., Vizueta J., Fernández R., **Dimitrov D.**, Petersen B., Prost S., Rozas J., Petrov D., Gillespie R.G. 2021. **The *Tetragnatha kauaiensis* genome sheds light on the origins of genomic novelty in spiders**. *Genome Biology and Evolution*, 13(12): evab262. (doi:10.1093/gbe/evab262)

56. Yan Y., Davis C.C., **Dimitrov D**., Wang Z., Rahbek C., Borregaard M.K. 2021. **Phytogeographic history of the Tea family inferred through high-resolution phylogeny and fossils**. *Systematic Biology*, 70(6): 1256–1271. (doi:10.1093/sysbio/syab042)

55. Wang Y., Luo A, Su X., Lyv T., **Dimitrov D**., Xu X., Freckleton R., Li Y., Su X., Li Y., Liu Y., Sandanov, D., Li Q., Hao Z., Liu S., Wang Z. 2021. **Global distribution and evolutionary transitions of angiosperm sexual systems**. *Ecology Letters*, 24(9): 1835-1847. (doi:10.1111/ele.13815)

54. Hormiga G., Kulkarni S., T da Silva Moreira, **Dimitrov D**. 2021. **Molecular phylogeny of pimoid spiders and the limits of Linyphiidae, with a reassessment of male papal homologies (Araneae, Pimoidae)**. *Zootaxa*, 5026(1): 071-101. (doi:10.11646/zootaxa.5026.1.3)

53. Kulkarni S., Kallal R.J., Wood H., **Dimitrov D**., Giribet G., Hormiga G. 2021. **Interrogating genomic-scale data to resolve recalcitrant nodes in the Spider Tree of Life**. *Molecular Biology and Evolution*, 38(3): 891-903. (doi:10.1093/molbev/msaa251)

52. Kallal R.J., Kulkarni S.S, **Dimitrov D**., Benavides L.R., Arnedo M.A, Giribet G., Hormiga G. 2021. **Converging on the orb: denser taxon sampling elucidates spider phylogeny and new analytical methods support repeated evolution of the orb web**. *Cladistics*, 37(3): 298-316. (doi:10.1111/cla.12439)

51. Cai H., Lyu L., Shrestha N., Tang Z., Su X., Xu X., **Dimitrov D**., Wang Z. 2021. **Geographical patterns in phylogenetic diversity of Chinese woody plants and its application for conservation planning**. *Diversity and Distributions*, 27(1): 179-194. (doi:10.1111/ddi.13180)

50. **Dimitrov D**., Hormiga G. 2021. **Spider diversification trough space and time**. *Annual Review of Entomology*, 66: 225-241. (doi:10.1146/annurev-ento-061520-083414)

49. Ochoa-Ochoa L.M., Mejía-Domínguez N.R., Velasco J.A., **Dimitrov D**., Marske K.A. 2020. **Dimensions of amphibian alpha diversity in the New World**. *Journal of Biogeography*, 47(11): 2293-2302. (doi:10.1111/jbi.13948)

48. Su X., Shrestha N., Xu X., Sandanov D., Wang Q., Wang S., **Dimitrov D.**, Wang Z. 2020. **Phylogenetic conservatism and biogeographic affinity influence woody plant species richness-climate relationships in eastern Eurasia**. *Ecography*, 43: 1027-1040. (doi:10.1111/ecog.04839)

47. Wang Y., Lyu T., Shrestha N., Lyu L., Li Y., Schmid B., Freckleton RP., **Dimitrov D**., Hao Z., Wang Z. 2020. **Drivers of large-scale geographical variation in sexual systems of woody plants**. *Global Ecology and Biogeography*, 29(3): 546-557. (doi: 10.1111/geb.13052)

46. Kallal R.J., **Dimitrov D**., Arnedo M.A., Giribet G., Hormiga G. 2020. **Monophyly, taxon sampling, and the nature of ranks in the classification of orb-weaving spiders (Araneae: Araneoidea)**. *Systematic Biology*, 69(2): 401-411. (doi: 10.1093/sysbio/syz043)

45. Scharff N., Coddington J.A., Blackledge T.A., Agnarsson I., Framenau V., Szűts T., Hayashi C.Y., **Dimitrov D**. 2020**. Phylogeny of the orb-weaving spider family Araneidae (Araneae, Araneoidea)**. *Cladistics*, 36(1): 1-21. (doi: 10.1111/cla.12382)

44. Cerca J., Meyer C., Stateczny D., Siemon D., Wegbrod J., Purschke G., **Dimitrov D.**, Struck T.H. 2020. **Deceleration of morphological evolution in a cryptic species complex and its link to paleontological stasis**. *Evolution*, 74(1): 116-131. (doi: 10.1111/evo.13884)

43. Liu N., Hu H., Ma W., Deng Y., Liu Y., Hao B., Zhang X., **Dimitrov D.**, Feng X., Wang Z. 2019. **Contrasting biogeographic patterns of bacterial and archaeal diversity in the top- and subsoils of temperate grasslands**. *mSystems*, 4:e00566-19. (doi: 10.1128/mSystems.00566-19)

42. Xu X., **Dimitrov D.**, Shrestha N., Rahbek C., Zhiheng W. 2019. **A consistent species richness-climate relationship for oaks across the Northern Hemisphere**. *Global Ecology and Biogeography*, 28(8): 1051-1066. (doi: 10.1111/geb.12913)

41. Huber B.A., Eberle J., **Dimitrov D**. 2018. **The phylogeny of pholcid spiders (Araneae, Pholcidae): a critical evaluation of relationships suggested by molecular data**. *Zookeys*, 789: 51-101. (doi: 10.3897/zookeys.789.22781)

40. Eberle J., **Dimitrov D.**, Valdez-Mondragón A., Huber B.A. 2018. **Microhabitat change drives diversification in pholcid spiders**. *BMC Evolutionary Biology*, 18 (1), 141. (doi: 10.1186/s12862-018-1244-8)

39. Shrestha N., Wang Z., Su X., Xu X., Lyu L., Liu Y., **Dimitrov D.**, Kennedy J.D., Wang Q., Tang Z., Feng X. 2018. **Global patterns of *Rhododendron* diversity: the roles of evolutionary time and diversification rate**. *Global Ecology and Biogeography*, 27(8): 913-924. (doi: 10.1111/geb.12750)

38. Fernández R., Kallal R.J., **Dimitrov D**., Ballesteros J.A., Arnedo M.A., Giribet G., Hormiga G. 2018. **Phylogenomics, diversification dynamics, and comparative transcriptomics across the spider tree of life**. *Current Biology*, 28 (13): 2190-2193. (doi: 10.1016/j.cub.2018.06.018)

37. Fernández R., Kallal R.J., **Dimitrov D**., Ballesteros J.A., Arnedo M.A., Giribet G., Hormiga G. 2018. **Phylogenomics, diversification dynamics, and comparative transcriptomics across the spider tree of life**. *Current Biology*, 28 (9): 1489-1497. e5. (doi: 10.1016/j.cub.2018.03.064)

36. Struck T.H., Feder J.L., Bendiksby M., Birkeland S., Cerca J., Gusarov V.I., Kistenich S., Larsson K-H., Liow L.H., Nowak M.D., Stedje B., Bachmann L., **Dimitrov D**. 2018. **Cryptic species - More than terminological chaos: A Reply to Heethoff**. *Trends in Ecology & Evolution*, 33 (5): 310-312. (doi: 10.1016/j.tree.2018.02.008)

35. Struck T.H., Feder J.L., Bendiksby M., Birkeland S., Cerca J., Gusarov V.I., Kistenich S., Larsson K-H., Liow L.H., Nowak M.D., Stedje B., Bachmann L., **Dimitrov D**. 2018. **Finding evolutionary processes hidden in cryptic species**. *Trends in Ecology & Evolution*, 33(3): 153-163. (doi:10.1016/j.tree.2017.11.007)

34. Hormiga G., **Dimitrov D**. 2017. **The discovery of the spider genus *Putaoa* (Araneae, Pimoidae) in Taiwan with the description of a new species, including its web architecture**. *Zootaxa*, 4341(1): 97-104. (doi:10.11646/zootaxa.4341.1.8)

33. Wheeler W.C., Coddington J.A., Crowley L.M., **Dimitrov D.**, Goloboff P.A., Griswold C.E., Hormiga G., Prendini L., Ramírez M.J., Sierwald P., Almeida-Silva L., Alvarez-Padilla F., Arnedo M.A., Benavides L.R., Benjamin S.P., Bond J.E., Grismado C.J., Hasan E., Hedin M., Izquierdo M.A., Labarque F.M., Ledford J., Lopardo L., Maddison W.P., Miller J.A.,

Piacentini L.N., Platnick N.I., Polotow D., Silva-Dávila D., Scharff N., Szűts T., Ubick D., Vink C.J., Wood H.M., Zhang J. 2017. **The spider tree of life: Phylogeny of Araneae based on target-gene analyses from an extensive taxon sampling.** *Cladistics*, 33(6): 574-616. (doi:10.1111/cla.12182)

32. **Dimitrov D.**, Benavides L.R., Arnedo M.R., Giribet G., Griswold C.E., Scharff N., Hormiga G. 2017. **Rounding up the usual suspects: a standard target-gene approach for resolving the interfamilial phylogenetic relationships of ecribellate orb-weaving spiders with a new family-rank classification (Araneae, Araneoidea).** *Cladistics*, 33(3): 221-250. (doi:10.1111/cla.12165)

31. Tarasov S.**, **Dimitrov D.** 2016. **Multigene Phylogenetic Analysis redefines Dung Beetles Relationships and Classification (Coleoptera: Scarabaeidae: Scarabaeinae)**. *BMC Evolutionary Biology*, 16: 257. (doi:10.1186/s12862-016-0822-x)

30. Heilmann-Clausen J., Maruyama P.K., Bruun H.H., **Dimitrov D.**, Frøslev T., Læssøe T., Petersen J.H., Dalsgaard B. 2016. **Citizen Science data reveal ecological, historical and evolutionary factors shaping interactions between woody hosts and wood-inhabiting fungi.** *New Phytologist*, 212: 1072–1082. (doi:10.1111/nph.14194)

29. Gizaw A., Brochmann C., Nemomissa S., Wondimu T., Masao C.A., Tusiime F.M., Abdi A.A., Oxelman B., Popp M.,* **Dimitrov. D.*** 2016. **Colonisation and diversification in the African 'sky islands': insights from fossil-calibrated molecular dating of *Lychnis* L. (Caryophyllaceae).** *New Phytologist*, 211: 719–734. (* denotes equal contribution). (doi:10.1111/nph.13937)

28. Tarasov S.**, Vaz-de-Mello F., Krell F-T., **Dimitrov D.** 2016. **A Review and Phylogeny of Scarabaeine Dung Beetle Fossils (Coleoptera: Scarabaeidae: Scarabaeinae), with the Description of Two *Canthochilum* Species from Dominican Amber.** *PeerJ*, 4: e1988. (doi:10.7717/peerj.1988)

27. Xu X., Wang Z., **Dimitrov D**., Rahbek C. 2015. **Using NCBIminer to search and download nucleotide sequences from GenBank.** *Biodiversity Science*, 23(4): 550-555 – in Chinese (doi:10.17520/biods.2015120)

26. Xu X., **Dimitrov D**., Rahbek C., Wang Z. 2015. **NCBIminer: Sequences harvest from Genbank.** *Ecography* 38(4): 426-430. (doi:10.1111/ecog.01055)

25. Huber B.A., **Dimitrov D**. 2014. **Slow genital and genetic but rapid non-genital and ecological differentiation in a pair of spider species (Araneae, Pholcidae).** *Zoologischer Anzeiger*, 253(5): 394-403. (doi:10.1016/j.jcz.2014.04.001)

24. Holt B.G.*, Lessard J-P.*, Borregaard M.K., Fritz S.A., Araújo M.B., **Dimitrov D**., Fabre P-H., Graham C.H., Graves G.R., Jønsson K.A., Nogués-Bravo D., Wang Z., Whittaker R.J., Fjeldså J., Rahbek C. 2013. **Response to Comment on "An Update of Wallace's Zoogeographic Regions of the World".** *Science*, 341 (6144): 343. (doi:10.1126/science.1237541) * - equal contribution.

23. **Dimitrov D**., Astrin J., Huber B.A. 2013. **Pholcid spider molecular systematics revisited, with new insights into the biogeography and the evolution of the group.** *Cladistics*, 29(2): 132-146. (doi: 10.1111/j.1096-0031.2012.00419.x)

22. Holt B.G.*, Lessard J-P.*, Borregaard M.K., Fritz S.A., Araújo M.B., **Dimitrov D**., Fabre P-H., Graham C.H., Graves G.R., Jønsson K.A., Nogués-Bravo D., Wang Z., Whittaker R.J., Fjeldså J., Rahbek C. 2013. **An update of Wallace's zoogeographic regions of the world.** *Science*, 339(6115): 74-78 (doi: 10.1126/science.1228282) * - equal contribution. Published on-line on December 20 2012 as Science Express highlights.

21. **Dimitrov D**., Nogués-Bravo D., Scharff N. 2012. **Why do tropical mountains support exceptionally high biodiversity? The Eastern Arc Mountains and the drivers of *Saintpaulia* diversity.** *PloS ONE*, 7(11): e48908. (doi: 10.1371/journal.pone.0048908)

20. Fabre P-H., Hautier L., **Dimitrov D.**, Douzery E. 2012. **A glimpse on the pattern of rodent diversification: a phylogenetic approach.** *BMC Evolutionary Biology*, 12: 88. (doi:10.1186/1471-2148-12-88) – highly accessed

19. **Dimitrov D**., Lopardo L., Giribet G., Arnedo M.A., Álvarez-Padilla F., Hormiga G. 2012. **Tangled in a sparse spider web: single origin of orb weavers and their spinning work unravelled by denser taxonomic sampling.** *Proceeding of the Royal Society B*, 279: 1341-1350. published on-line ahead of print 2 November 2011 (doi: 10.1098/rspb.2011.2011)

18. Giribet G., Sharma P., Benavides L., Boyer S.L., Clouse R., de Bivort B., **Dimitrov D**., Kawauchi G., Murienne J., Schwendinger P. 2012. **Evolutionary and biogeographic history of the harvestman suborder Cyphophthalmi (Arachnida, Opiliones) — an ancient and global group of arachnids.** *Biological Journal of the Linnean Society*, 105: 92-130. (doi: 10.1111/j.1095-8312.2011.01774.x)

17. **Dimitrov D**., Hormiga G. 2011. **An extraordinary new genus of spiders from Western Australia with an expanded hypothesis on the phylogeny of Tetragnathidae (Araneae).** *Zoological Journal of the Linnean Society*, 161: 735-768. (doi: 10.1111/j.1096-3642.2010.00662.x).

16. **Dimitrov D**., Hormiga G. 2010. **Mr. Darwin's mysterious spider: On the type species of the genus *Leucauge* White, 1841 (Tetragnathidae, Araneae).** *ZOOTAXA*, 2396: 19–36.

15. **Dimitrov D**., Álvarez-Padilla F., Hormiga G. 2010. **On the phylogenetic placement of the spider genus *Atimiosa* Simon, 1895 (Tetraganthidae, Araneae) and the circumscription of the genus *Dolichognatha* O.P.- Cambridge, 1869.** *American Museum Novitates*, 3683: 1-19.

14. **Dimitrov D**., Benjamin S.P., Hormiga G. 2009. **A revised phylogenetic hypothesis for the genus *Clitaetra* Simon, 1889 (Araneidae, Nephilidae) with the first description of the male of the Sri Lankan species *Clitaetra thisbe* Simon, 1903.** *Bulletin of the Museum of Comparative Zoology,* 159(6): 301-323. (doi: 10.3099/0027-4100-159.6.301).

13. Álvarez-Padilla F., **Dimitrov D**., Giribet G., Hormiga G. 2009. **Phylogenetic relationships of the spider family Tetragnathidae (Araneae, Araneoidea) based on morphological and DNA sequence data.** *Cladistics*, 25(2): 109-146. (doi: 10.1111/j.1096-0031.2008.00242.x)

12. **Dimitrov D**., Hormiga G. 2009. **Revision and cladistic analysis of the orbweaving spider genus *Cyrtognatha* Keyserling, 1881 (Araneae, Tetragnathidae).** *Bulletin of the American Museum of Natural History*, 317: 1-140.

11. Benjamin S.P., **Dimitrov D**., Gillespie R.G., Hormiga G. 2008. **Family ties: molecular phylogeny of crab spiders (Araneae: Thomisidae).** *Cladistics*, 24(5): 708-722. (doi: 10.1111/j.1096-0031.2008.00202.x)

10. **Dimitrov D**., Arnedo M.A., Ribera C. 2008. **Colonization and diversification of the spider genus *Pholcus* Walckenaer, 1805 (Araneae, Pholcidae) in the Macaronesian archipelagoes: Evidence for long-term occupancy yet rapid recent speciation.** *Molecular Phylogenetics and Evolution*, 48(2): 596-614. (doi: 10.1016/j.ympev.2008.04.027)

9. **Dimitrov D**., Álvarez-Padilla F., Hormiga G. 2008. **Until dirt do us apart: on the unremarkable palp morphology of the spider *Sternospina concretipalpis* Schmidt &**

Krause, 1993, with comments on the genus *Prionolaema* Simon, 1894 (Araneae, Tetragnathidae). *ZOOTAXA*, 1698: 49-56.

8. **Dimitrov D**., Ribera C. 2007. **The genus *Pholcus* (Araneae, Pholcidae) in the Canary Islands.** *Zoological Journal of the Linnean Society*, 151: 59-114.
7. **Dimitrov D**., Álvarez-Padilla F., Hormiga G. 2007. **The female genitalic morphology of the orb weaving spider genus *Agriognatha* (Araneae, Tetragnathidae).** *Journal of Morphology*, 268: 758-770.
6. **Dimitrov D**., Ribera C. 2006. **Three new species of *Pholcus* (Araneae, Pholcidae) from the Canary Islands with notes on the genus *Pholcus* in the archipelago.** *Journal of Arachnology*, 34(1): 126-134.
5. **Dimitrov D**., Ribera C. 2005. **Description of *Ossinissa*, a new pholcid genus from the Canary Islands (Araneae: Pholcidae).** *ZOOTAXA*, 982: 1-13.
4. **Dimitrov D**., Ribera C. 2005. ***Pholcus vachoni* n. sp. (Araneae, Pholcidae) una nueva specie de Agadir (Marruecos).** *Revista Ibérica de Aracnología*, 11: 3-6.
3. Borisova N., Antonova V., Delov V., **Dimitrov D**. 2005. **Using GIS and remote sensing in biogeography assessment in the karst terrain of Chepan Mountain and Dragoman marshland (W Bulgaria).** - *In*: Biodiversity, Ecosystems, Global Changes. (Chipev, N., Bogoev, V. Eds.), 1-st National Conference in Ecology, Sofia, pp. 75-82.
2. **Dimitrov D**., Ribera C. 2003. ***Pholcus intricatus* (Araneae, Pholcidae) una nueva specie endémica de Tenerife (Islas Canarias).** *Revista Ibérica de Aracnología*, 8: 7-11.
1. **Dimitrov D**., Lazarov S. 2002. **Contribution to the Study of Spiders (Araneae) in Chepun Mountain and Dragoman Swampland (NW Bulgaria).** *Acta zoologica bulgarica*, 54(2): 47-53.

WEB PUBLICATIONS AND RESOURCES

5. **Dimitrov, D.** 2009. **Key to the species of the genus *Cyrtognatha* Keyserling, 1881 (Araneae, Tetragnathidae)**. Review version 1.0. online at Key to the species of the genus *Cyrtognatha* Keyserling, 1881 (Araneae, Tetragnathidae)
4. Álvarez-Padilla, F., **D. Dimitrov**, and G. Hormiga. 2009. **TetraGen: Tetragnathid Genera of the World (Araneoidea: Tetragnathidae), An Illustrated Catalog**. Pre-release version 1.0. The George Washington University, online at http://www.gwu.edu/~spiders/tetragen/index.cfm
3. **Dimitrov, Dimitar**. 2009. **Pholcidae. Daddy-longleg spiders**. Version 12 February 2009 (under construction). http://tolweb.org/Pholcidae/2719/2009.02.12 *in* The Tree of Life Web Project, http://tolweb.org/
2. **Dimitrov, Dimitar** and Gustavo Hormiga. 2009. **Tetragnathidae Menge 1866**. Version 09 March 2009 (under construction). http://tolweb.org/Tetragnathidae/2799/2009.03.09 *in* The Tree of Life Web Project, http://tolweb.org/
1. Hormiga, G., **D. Dimitrov**, J.A. Miller, and F. Álvarez-Padilla. 2008. **LinyGen: Linyphioid Genera of the World (Pimoidae and Linyphiidae), An Illustrated Catalog**. Version 2.0. The George Washington University, online at http://www.gwu.edu/~linygen/index.cfm

TEACHING

Courses

ForBio Introduction to phylogenetic methods (together with the UiB BIO332) – Current. From 2019 every fall semester.

Phylogenetic methods (BIO332) – Current. From 2019 every fall semester. University of Bergen.

Phylogenetic Comparative methods workshop – April 2019, University of Göttingen, Organized by the German Zoological Society.

Phylogenetic Comparative methods workshop – March 2019, Finnish Museum of Natural History LUOMUS.

Biogeography and Biodiversity (BIO4230/9230) 2014, 2016, University of Oslo.

Phylogenetic Systematics and Molecular Dating – April 2015, January-February 2013, January 2011, University of Copenhagen.

POY 4: phylogenetic analysis using dynamic homologies Workshop – January 2011, The George Washington University.

Student supervision

Postdocs

Jonas Eberle – co-supervised with B. Huber at the Zoological Research Museum Alexander Koenig, Bonn. 2016-2017 (now postdoc at the University of Salzburg.

Alejando Valdez Mondragón – co-supervised with B. Huber at the Zoological Research Museum Alexander Koenig, Bonn. 2014-2015 (now a PI at the Universidad Nacional Autónoma de Mexico, Unidad de Tlaxcala, Laboratorio Regional de Biodiversidad y Cultivo de Tejidos Vegetales)

PhDs

Sergey Tarasov – co-supervised with V. Gusarov and L. Bachmann at the Natural History Museum, University of Oslo. 2013-2016. (now coleopteran curator at the Finnish Museum of Natural History, Helsinki, Finland).

Master students

Stian Aleksander Helsem – co-supervised with T. Struck and J. Cerca at the Natural History Museum, University of Oslo, completed fall 2021

Undergraduates

Nadia Pauck Holm Hansen – co-supervisor with Dr. Nikolaj Scharff – University of Copenhagen, completed fall 2012

Informal supervision

I have collaborated to the supervision and research of four graduate students: Fernando Álvarez-Padilla, Lara Lopardo, Ligia Rosario Benavides and Daniela Andriamalala and two undergraduates Anastasia Kondakova and Anahita Shaya – primary advisor G. Hormiga, the George Washington University

I also trained three visiting researchers, Manuel Cárdenas Guerrero, Guadalupe Corcobado Márquez and Lihong Tu, in SEM and light microscopy techniques – the George Washington University

OTHER DIPLOMAS AND COURSES

2011. Course in International University Governance. University of Copenhagen, Copenhagen, Denmark.

2004. Postgraduate course “Phylogeny and Genealogy of DNA: Reconstruction and Applications”. University of Barcelona. Barcelona, Spain.

2003. Diploma de Estudios Avanzados (Diploma of Advanced Studies). Barcelona, Spain.

1999. D.S.P.U. (Specialized Post-University Diploma) in environmental management. Mediterranean Agronomic Institute of Chania (MAICh). C.I.H.E.A.M. Crete, Greece.

PREDOCTORAL WORK RESEARCH EXPERIENCE

May – July 2004. University of Barcelona. Collaboration in the project “A hierarchical approach to the study of the origins of the biodiversity”.

2000. MAICh (C.I.H.E.A.M.) Collaboration in projects for integration of GIS with web servers (Apache and AOLserver). Installation and configuration of community based systems with database backend (OpenACS).

1999 – 2000. MAICh (C.I.H.E.A.M.) Research Fellow in the frame of the DEMOS (Developing of a Monitoring System Based on Plant Ecophysiology) project. Project number ERBIC18CT970153.

INVITED TALKS

2021. ForBio Annual Meeting Keynote talk. “Following the web of Ariadne: the quest towards understating spiders diversity.”

2020. Museu Nacional, Universidade Federal do Rio de Janeiro. "Unraveling the maze of spiders evolutionary chronicle in the era of genomics."

2019. University of Göttingen. “What I talk about when I talk about research.”

2019. Finnish Museum of Natural History LUOMUS. “Understanding pholcid relationships and diversification: recent advances and future directions.”

2018. Lund University. “The entangled evolution of spider webs trough the prism of large data.”

2014. Peking University. “Macroevolution meets macroecology.”

2013. Norwegian Entomological Society. “On webs and wings: orbweavers evolution, diversification and its driving forces.”

2012. Århus University. “Unraveling the maze: orb weavers evolution, current knowledge and future perspectives.”

OUTREACH, EXHIBITS AND COMMUNITY SERVICE

2018-2019 Responsible for chelicerates for the renewed permanent natural history exhibit at the University Museum of Bergen.

2012 Participation in setting up a public floor spider exhibit at the Zoological Museum, Natural History Museum of Denmark. The exhibit also showcased my research (together with the research of other arachnologists at the Natural History Museum of Denmark)

2011 Participated in the Copenhagen's annual Culture Night at the Zoological Museum public floor.

2007 Team leader in the Rock Creek Park BioBlitz species inventory organized by National Geographic.

PRESENTATIONS AT INTERNATIONAL AND NATIONAL MEETINGS

Oral presentations

Contributed: **2019:** 21th International Congress of Arachnology (Christchurch, New Zealand). **2013**: ForBio annual meeting (Oslo, Norway), 19th International Congress of Arachnology (Kenting, Taiwan). **2011**: 26th European Congress of Arachnology (Sede Boqer, Israel), Evolution 2011 (Norman, OK, USA). **2010**: 18th International Congress of Arachnology (Siedlce, Poland). **2009**: Evolution 2009 (Moscow, ID, USA). **2008**: 32nd Annual Meeting of the American Arachnological Society (Berkeley, CA, USA). **2007**: 17th International Congress of Arachnology (São Pedro, São Paulo, Brazil). **2006**: 30th annual meeting of the American Arachnological Society (Baltimore, MD, USA). **2005**: 22nd European Colloquium of Arachnology (Blagoevgrad, Bulgaria). **2004**: 16th International Congress of Arachnology (Gent, Belgium). **2003**: International Congress of Biodiversity and Arachnids (San Sebastian, Spain). **2001**: 2nd Conference of the Iberian Group of Arachnology (Barcelona, Spain).

Co-authored: **2020**: American Arachnological Society Virtual meeting. **2019**: 21th International Congress of Arachnology (Christchurch, New Zealand). **2019**: 9th Biennial Conference of the International Biogeography Society (Malaga, Spain). **2018**: XXXVII Annual Meeting of the Willi Hennig Society (Barcelona, Spain). **2017**: XIX International Botanical Congress (Shenzhen ,China). **2016**: 20th International Congress of Arachnology (Golden, CO; USA). **2015**: Evolution 2015 (Guarujá, Brazil). **2010**: IX Reunión Argentina de Cladística y Biogeografía (Buenos Aires, Argentina), 70th Anniversary Meeting of the Society of Vertebrate Paleontology (Pittsburg, PA, USA), 18th International Congress of Arachnology (Siedlce, Poland). **2008**: II Congreso Latinoamericano de Aracnología / VI Encuentro de Aracnólogos del Cono Sur (Salta, Argentina), 32nd Annual Meeting of the American Arachnological Society (Berkeley, CA, USA). **2007**: Jornadas de Biodiversidad Valenciana y Arácnidos & VIII Jornadas del Grupo Ibérico de Aracnología (Valencia, Spain). **2006**: XVIII International Symposium of Biospeleology (Cluj, Romania). **2004**: 1st National Scientific Conference in Ecology (Varna, Bulgaria)

Posters: **2017**: V Latin American Congress of Arachnology (Ouro Preto, Minas Gerais, Brazil). **2016**: 20th International Congress of Arachnology (Golden, CO; USA). 2014: ForBio annual meeting (Tromsø, Norway). **2007**: PEET VI meeting "Reaching out" (Athens, GA, USA).

MEDIA COVERAGE

January 2020 Science*Daily*, Focus.it, phys.org, Bioengineer.org; April 2018 The New York Times, PBS; June 2017 issue (#6) of Aftenposten Vitenskap; 23 March 2017 phys.org; 22 March 2017 Science*Daily*; 13 March 2017 Titan.uio.no and in English on 17 of March; 23 March 2016 Titan.uio.no; 25 December 2012 Discovery News; 21 December 2012 The New York Times, BBC Nature News, Futurity, www.uni-protokolle.de; 20 December 2012 phys.org, ScienceNews, Lukor.com, Business Insider, Daily Mail; 19 December 2012 Ingeniøren, MetroXpress (Danish edition), Jyllands-Post; 18 December 2012 University of Copenhagen news; 7 January 2012 Ekstrabladet; 5 January 2012 Berlingske; 4 January 2012 Videnskab.dk; 28 November 2011 European Commission CORDIS news; 25 November 2011 SINC; 24 November 2011 Science*Daily*; 18 November 2011 New Straits Times; 8 November 2011 The New York Times; 3 November 2011 ScienceNews magazine; 4 June 2010 www.physorg.com; 3 June 2010 The George Washington University media room.

Check also my Impactstory profile here https://profiles.impactstory.org/u/0000-0001-5830-5702/timeline.

SYNERGISTIC ACTIVITIES

Subject editor: ZooKeys. **Associate Editor**: Systematics and Biodiversity.

Guest editor: Diversity. Special issue "Systematics and Evolution of Spiders."

Guest editor: Frontiers in Ecology and Evolution. Research Topic "Temporal and Large-Scale Spatial Patterns of Plant Diversity and Diversification"

Review of proposals: The German Research Foundation (DFG), Germany; The National Research Foundation (NRF), South Africa; Alexander von Humboldt Foundation, Germany; The Czech Science Foundation (GACR), Czech Republic; The Wellcome Trust/DBT India Alliance, India.

Researchers rating reviews: The National Research Foundation (NRF), South Africa.

Review of manuscripts: Acta Zoologica Bulgarica, Annales Zoologici, Arachnologische Mitteilungen, Biology Letters, Biological Journal of the Linnean Society, BMC Evolutionary Biology, Bonner Zoologische Monographien, Cladistics, Diversity, Ecography, Ecology and Evolution, Entomologica Fennica, Entomological Research, Evolution, European Journal of Taxonomy, Global Ecology and Biogeography, Heredity, Invertebrate Systematics, Journal of Arachnology, Journal of Asian Biodiversity, Journal of Biogeography, Journal of Morphology, Journal of Natural History, Journal of Systematic Palaeontology, Journal of Zoological Systematics and Evolutionary Research, Journal of the Entomological Society of BC, Kansas Academy of Science Transactions, Molecular Ecology, Molecular Ecology Resources, Molecular & Biochemical Parasitology, Molecular Phylogenetics and Evolution, Nature Communications, Naturwissenschaften, PeerJ, PLos ONE, PNAS, Proceedings of the Royal Society B, Raffles Bulletin of Zoology, Revista Ibérica de Aracnología, Systematic Biology, Systematics and Biodiversity, TAPROBANICA, Toxins, Tropical Natural History, Zoologica Scripta, Zoological Journal of the Linnean Society, Zoologischer Anzeiger, ZooKeys, Zootaxa, Zoosystematica Rossica, Zoological Research, Zoosystematics and Evolution.

Scientific committee member for the 31st European Congress of Arachnology 2018 Vác, Hungary.

Scientific committee member and symposium organizer of one day international symposium on cryptic species 2016 Oslo, Norway.

Scientific committee member and symposium organizer for the XXXI Willi Hennig Society meeting 2012 Riverside, CA, USA.

Scientific core contributor to the *Tree of Life Web Project* (http://tolweb.org). Responsible for the branches Pholcidae (http://tolweb.org/Pholcidae/2719) and Tetragnathidae (http://tolweb.org/Tetragnathidae/2799). Tetragnathidae pages were featured on the Tree of Life Web Project home page in March 2009.

FIELD WORK

Bulgaria, Denmark, Greece, Turkey, Spain, Panama, USA, Taiwan

PROFESSIONAL SOCIETIES

Society of Systematic Biologists, International Society of Arachnology, American Arachnological Society, International Biogeography Society

LANGUAGES

Bulgarian (mother tongue); English (fluent); Spanish (fluent); Russian (very good).