

Curriculum vitae

Personal data

Surname: Dincă

Given names: Vlad-Eugen

Gender: Male

Date of birth: 1 May 1982

Citizenship: Romanian

Tel: +40737936515

E-mail: vlad.e.dinca@gmail.com

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Research Gate: https://www.researchgate.net/profile/Vlad_Eugen_Dinca

Education

Degree title: Doctoral degree

Major subject: Biology

Institution: Universitat Autònoma de Barcelona (UAB), Bellaterra, Spain.

Graduation date: April 2011. *Sobresaliente "Cum Laude". "Premio Extraordinario de Doctorado"* awarded.

Degree title: Master's degree

Institution: Universitatea Babeş-Bolyai, Cluj-Napoca, Romania

Major subject: Systemic ecology and biodiversity conservation

Graduation date: June 2006. Classified first of the 11 graduates.

Degree title: Bachelor's degree

Institution: Universitatea Babeş-Bolyai, Cluj-Napoca, Romania

Major subject: Biology

Graduation date: June 2005

Degree title: High school diploma

Institution: Colegiul Național „Ion Luca Caragiale” Ploiești, Romania

Graduation date: June 2001

Work experience

01/09/2019 – present

Position: Academy Research Fellow

Employer: University of Oulu, Finland

Place of work: Ecology and Genetics Research Unit, University of Oulu

01/08/2017 – 31/08/2019

Position: Post-doctoral researcher

Employer: University of Oulu, Finland

Place of work: Ecology and Genetics Research Unit, University of Oulu

01/05/2014 – 30/04/2017

Position: Post-doctoral researcher

Employer: Consejo Superior de Investigaciones Científicas (CSIC), Spain

Place of work: Biodiversity Institute of Ontario, University of Guelph, Canada (24 months);

Institut de Biologia Evolutiva (CSIC-UPF), Spain (12 months)

03/02/2014 – 30/04/2014

Position: Post-doctoral researcher

Employer: Biodiversity Institute of Ontario, University of Guelph, Ontario, Canada

Place of work: Biodiversity Institute of Ontario

01/01/2012 – 31/12/2013

Position: Post-doctoral researcher

Employer: Wenner-Gren Foundation, Sweden

Place of work: Department of Zoology, Stockholm University, Sweden

01/03/2007 – 28/02/2011

Position: Doctoral student

Employer: Universitat Autònoma de Barcelona (UAB), Bellaterra, Spain

Place of work: Department of Genetics and Microbiology, UAB

Linguistic skills

Mother tongue: Romanian

Language	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Spanish	C1	B2	B1	B2	B1
French	B2	B2	B1	B1	B1
Catalan	B2	B1	A2	B1	A2
Italian	B2	B1	A1	A1	A1

Self-assessment according to the Common European Framework of Reference for Languages

Research funding as project coordinator

September 2022 – August 2024

Source of funding: Academy of Finland (decision no. 352652)

Project title: Understanding the spatio-temporal dynamics of genetic differentiation: The European butterflies as a model (STAGE)

Amount of funding: 199,825 €

September 2019 - August 2024

Source of funding: Academy of Finland (Academy Research Fellow, decision no. 324988)

Project title: Understanding the spatio-temporal dynamics of genetic differentiation: The European butterflies as a model (STAGE)

Amount of funding: 438,874 €

September 2019 - August 2022

Source of funding: Academy of Finland (Research grant for Academy Research Fellows, decision no. 328895)

Project title: Understanding the spatio-temporal dynamics of genetic differentiation: The European butterflies as a model (STAGE)

Amount of funding: 299,920 €

May 2014 - April 2017

Source of funding: European Union through the Marie Skłodowska-Curie actions, part of the 7th Framework Programme (project no. 625997)

Project title: Genetic map of European butterflies: Continental-scale cryptic species assessment and comparisons to North America and Australia (EUGENMAP)

Amount of funding: 244,233 €

Jan 2012 - Dec 2013

Source of funding: Wenner-Gren Foundation, Sweden

Project title: Speciation among cryptic species in *Leptidea* Wood White butterflies

Amount of funding: 625,253 SEK (ca 64,000 €)

Performance in scientific research

Total number of publications (full list at the end of the CV)

- Publications in ISI journals: 63
- Publications in indexed journals: 23
- Books: 2
- Other scientific publications: 5
- Popular science publications: 21
- h-index/Scopus: 28 (including self-citations); 25 (excluding self-citations) (accessed 5/03/2023)
- Total citations/Scopus: 2131 (including self-citations); 1811 (excluding self-citations) (accessed 5/03/2023)

Participation to conferences

Invited keynote lectures

Dincă V. 2021. *Butterfly diversity and conservation in the age of genomics*
Future of Butterflies in Europe V, 8-9 April 2021, Wageningen, The Netherlands.

Dincă V. 2017. *Genetic map of European butterflies: what DNA tells us about European butterfly diversity*

The 20th European Congress of Lepidopterology, 24-30 April 2017, Podgora, Croatia.

Other conference contributions

Ten invited talks and 70 contributions (oral presentations or posters) to 46 national and international conferences.

Awards, prizes and honours

2018: Bronze medal awarded by the Lepidopterological Society of Finland (<http://www.perhostutkijainseura.fi/fi/Etusivu.html>)

2013: “Premio Extraordinario de Doctorado” from Universitat Autònoma de Barcelona for the doctoral thesis entitled: *Diversity, biogeography and chromosomal evolution in European butterflies*.

2010: Diploma for performance in lepidopterological activity awarded by the Romanian Lepidopterological Society on the occasion of its 20-th anniversary.

2009: Mobility fellowship for doctoral students awarded by „Agència de Gestió d’Ajuts Universitaris i de Recerca (AGAUR)”, Spain.

2007-2011: FPI doctoral fellowship („Formació de Personal Investigador”) awarded by Universitat Autònoma de Barcelona (UAB), Spain (the fellowship became a work contract for the period 01/03/2009 – 28/02/2011).

2005: Performance fellowship for student research activity awarded by Babeş-Bolyai University (Cluj-Napoca, Romania) for the project entitled: *A protected area on Istrița Hill (Buzău county)*. Diploma no. 20361/16.12.2005.

Other merits

Over 22 years of experience with field activities relevant for the study of Lepidoptera (species observation, sampling, photography etc). Research field work done in numerous parts of Europe, as well as Morocco, South Africa, Peru and Canada.

Over 15 years of experience with digital photography of insects. Selected achievements:

- Cover of “Systematic Biology”, vol. 71(2), 2022
- Cover of “Molecular Ecology”, vol. 28(17), 2019

- Cover of “PNAS”, vol. 115(41), 2018
- Photos in “Il venerdì di Repubblica”, nr. 1371, 27 iunie 2014 (pag. 74-75)
- Cover of “Global Ecology and Biogeography”, vol. 22(1), 2012.
- Cover of “Proceedings of the Royal Society B”, vol. 278(1719), 2011.
- Photos in “El Pais” (June 2011)
- Photos in “The New York Times” (February 2011)
- Numerous photographs in books on butterflies from the western Palearctic

Affiliations

Societas Europaea Lepidopterologica (SEL) (<http://www.soceurlep.eu/>)

Societatea Lepidopterologică Română (SLR) (<http://www.lepidoptera.ro/>)

Driving licence

Category B

List of publications

Publications in ISI journals

1. Bonifacino M., Pasquali L., Sistri G., Menchetti M., Santini L., Corbella C., Bonelli S., Balletto E., Vila R., Dincă V., Dapporto L. 2022. Climate change may cause the extinction of the butterfly *Lasiommata petropolitana* in the Apennines. *Journal of Insect Conservation* 26: 959-972. <https://doi.org/10.1007/s10841-022-00441-z>
2. D’Ercole J., Dapporto L., Schmidt B.C., Dincă V., Talavera G., Vila R., Hebert P.D.N. 2022. Patterns of DNA barcode diversity in butterfly species (Lepidoptera) introduced to the Nearctic. *European Journal of Entomology* 119: 379-387. <https://doi.org/10.14411/eje.2022.039>
3. Joshi M., Espeland M., Dincă V., Vila R., Tahami M. S., Dietz L., Mayer C., Martin S., Dapporto L., Mutanen M. 2022. Delimiting continuity: Comparison of target enrichment and double digest restriction-site associated DNA sequencing for delineating admixing parapatric *Melitaea* butterflies. *Systematic Entomology* 47(4): 637-654. <https://doi.org/10.1111/syen.12557>
4. Dapporto L.[#], Menchetti M.[#], Vodă R., Corbella C., Cuvelier S., Djemadi I., Gascoigne-Pees M., Hinojosa J. C., Lam N. T., Serracanta M., Talavera G., Dincă V.*^{*}, Vila R.* 2022. The atlas of mitochondrial genetic diversity for Western Palearctic butterflies. *Global Ecology and Biogeography* 31(11): 2184-2190. <https://doi.org/10.1111/geb.13579>. ([#] equal contribution first author; ^{*} equal contribution senior author).
5. Toro-Delgado E., Hernández-Roldán J., Dincă V., Vicente J. C., Shaw M. R., Quicke D. L. J., Vodă R., Albrecht M., Fernández-Triana J., Vidiella B., Valverde S., Dapporto L., Hebert P. D. N., Talavera G., Vila R. 2022. Butterfly-parasitoid-hostplant interactions in

- Western Palearctic HesperIIDae: a DNA barcoding reference library. *Zoological Journal of the Linnean Society*: zlac052, <https://doi.org/10.1093/zoolinnea/zlac052>
6. Escuer P., Hinojosa J. C., Minguet-Parramona C., Romo H., Munguira M., Olivares J., Dincă V., Talavera G., Vila R. 2022. Genetic assessment and climate modelling of the Iberian specialist butterfly *Euchloe bazae* (Lepidoptera: Pieridae). *Insect Conservation and Diversity* 15(5): 594-605. <https://doi.org/10.1111/icad.12579>
 7. Mackintosh A., Laetsch D., Baril T., Foster R., Dincă V., Vila R., Hayward A., Lohse K. 2022. The genome sequence of the lesser marbled fritillary, *Brenthis ino*, and evidence for a segregating neo-Z chromosome. *G3 Genes Genomes Genetics* 12(6): jkac069, <https://doi.org/10.1093/g3journal/jkac069>
 8. Sistri G. #, Menchetti M. #, Santini L., Pasquali L., Sapianti S., Cini A., Platania L., Balletto E., Barbero F., Bonelli S., Casacci L. P., Dincă V., Vila R., Mantoni C., Fattorini S., Dapporto L. 2022. The isolated *Erebia pandrose* Apennine population is genetically unique and endangered by climate change. *Insect Conservation and Diversity* 15(1): 136-148. doi: 10.1111/icad.12538 (# equal contribution).
 9. Ebdon S., Laetsch D.R., Dapporto L., Hayward A., Ritchie M.G., Dincă V., Vila R., Lohse K. 2021. The Pleistocene species pump past its prime: evidence from European butterfly sister species. *Molecular Ecology* 30(14): 3575-3589. <https://doi.org/10.1111/mec.15981>
 10. D'Ercole J., Dincă V., Opler P.A., Kondla N., Schmidt C., Phillips J.D., Robbins R., Burns J.M., Miller S.E., Grishin N., Zakharov E.V., DeWaard J.R., Ratnasingham S., Hebert P.D.N. 2021. A DNA barcode library for the butterflies of North America. *PeerJ* 9: e11157 <https://doi.org/10.7717/peerj.11157>
 11. Dincă V. #, Dapporto L. #, Somervuo P., Vodă R., Cuvelier S., Gascoigne-Pees M., Huemer P., Mutanen M., Hebert P.D.N., Vila R. 2021. High resolution DNA barcode library for European butterflies reveals continental patterns of mitochondrial genetic diversity. *Communications Biology* 4: 315. DOI: 10.1038/s42003-021-01834-7 (# equal contribution).
 12. Menchetti M. #, Talavera G. #, Cini A., Salvati V., Dincă V., Platania L., Bonelli S., Balletto E., Vila R., Dapporto L. 2021. Two ways to be endemic. Alps and Apennines are different functional refugia during climatic cycles. *Molecular Ecology* 30(5): 1297-1310. <https://doi.org/10.1111/mec.15795> (# equal contribution).
 13. Hinojosa J.C., Dapporto L., Brockmann E., Dincă V., Tikhonov V., Grishin N., Lukhtanov V.A., Vila R. 2021. Overlooked cryptic diversity in *Muschampia* butterflies (Lepidoptera: HesperIIDae) adds two species to the European butterfly fauna. *Zoological Journal of the Linnean Society*: zlaa171. <https://doi.org/10.1093/zoolinnea/zlaa171>
 14. Groza B., Vodă R., Székely L., Vila R., Dincă V. 2021. Genetics and extreme confinement of three overlooked butterfly species in Romania call for immediate conservation actions. *Journal of Insect Conservation* 25: 137-146. <https://doi.org/10.1007/s10841-020-00281>
 15. Lukhtanov V.A., Dincă V., Friberg M., Vila R., Wiklund C. 2020. Incomplete sterility of chromosomal hybrids: implications for karyotype evolution and homoploid hybrid speciation. *Frontiers in Genetics* 11: 583827. <https://doi.org/10.3389/fgene.2020.583827>
 16. Hinojosa J.C., Koubínová D., Dincă V., Hernández-Roldán J., Munguira M.L., García-Barros E., Vila M., Alvarez N., Mutanen M., Vila R. 2020. Rapid colour shift by reproductive character displacement in *Cupido* butterflies. *Molecular Ecology* 29(24): 4942-4955. <https://doi.org/10.1111/mec.15682>
 17. Platania L. #, Menchetti M. #, Dincă V., Corbella C., Kay-lavelle I., Vila R., Wiemers M., Schweiger O., Dapporto L. 2020. Assigning occurrence data to cryptic taxa improves climatic niche assessments: biodecrypt, a new tool tested on European butterflies.

- Global Ecology and Biogeography* 29(10): 1852-1865. <https://doi.org/10.1111/geb.13154> (# equal contribution).
18. Scalercio S., Cini A., Menchetti M., Voda R., Bonelli S., Bordoni A., Casacci L., Dincă V., Balletto E., Vila R., Dapporto L. 2020. How long is 3 kilometres for a butterfly? Ecological constraints and functional traits explain high mitochondrial genetic diversity between Sicily and the Italian Peninsula. *Journal of Animal Ecology* 89(9): 2013-2026 <https://doi.org/10.1111/1365-2656.13196>
 19. Platania L., Vodă R., Dincă V., Talavera G., Vila R., Dapporto L. 2020. Integrative analyses on Western Palearctic *Lasiommata* reveal a mosaic of nascent butterfly species. *Journal of Zoological Systematics and Evolutionary Research* 58(4): 809-822. <https://doi.org/10.1111/jzs.12356>
 20. Talla V., Soler L., Kawakami T., Dincă V., Vila R., Friberg M., Wiklund C., Backström N. 2019. Dissecting the effects of selection and mutation on genetic diversity in three wood white (*Leptidea*) butterfly species. *Genome Biology and Evolution* 11(10): 2875-2886. <https://doi.org/10.1093/gbe/evz212>
 21. Dincă V.[#], Lee K.M.[#], Mutanen M., Vila R. 2019. The conundrum of species delimitation: a genomic perspective on a mitogenetically super-variable butterfly. *Proceedings of the Royal Society B* 286: 20191311. <http://dx.doi.org/10.1098/rspb.2019.1311> (# equal contribution).
 22. Ryan S.F., Lombaert E., Espeset A., Vila R., Talavera G., Dincă V., Doellman M.M., Renshaw M.A., Eng M.W., Hornett E.A., Li Y., Pfrender M.E., Shoemaker D. 2019. Global invasion history of the agricultural pest butterfly *Pieris rapae* revealed with genomics and citizen science. *PNAS* 116(40): 20015-20024. <https://doi.org/10.1073/pnas.1907492116>. Featured on the journal cover.
 23. Talla V., Johansson A., Dincă V., Vila R., Friberg M., Wiklund C., Backström N. 2019. Lack of gene flow: narrow and dispersed differentiation islands in a triplet of *Leptidea* butterfly species. *Molecular Ecology* 28(16): 3756-3770. <https://doi.org/10.1111/mec.15188>
 24. Hinojosa J.C., Koubínová D., Szenteczki M.A., Pitteloud C., Dincă V., Alvarez N., Vila R. 2019. A mirage of cryptic species: Genomics uncover striking mitonuclear discordance in the butterfly *Thymelicus sylvestris*. *Molecular Ecology* 28(17): 3857-3868. <https://doi.org/10.1111/mec.15153>. Featured on the journal cover.
 25. Dapporto L., Cini A., Vodă R., Dincă V., Wiemers M., Menchetti M., Magini G., Talavera G., Shreeve T., Bonelli S., Casacci L.P., Balletto E., Scalercio S., Vila R. 2019. Integrating three comprehensive datasets shows that mitochondrial DNA variation is linked to species traits and paleogeographic events in European butterflies. *Molecular Ecology Resources* 19(6): 1623-1636. <https://doi.org/10.1111/1755-0998.13059>
 26. Gaunet A.[#], Dincă V.[#], Dapporto L.[#], Montagud S., Vodă R., Schär S., Badiane A., Font E., Vila R. 2019. Two consecutive *Wolbachia*-mediated mitochondrial introgressions obscure taxonomy in Palearctic swallowtail butterflies. *Zoologica Scripta* 48(4): 507-519. <https://doi.org/10.1111/zsc.12355> (# equal contribution)
 27. Maes D., Verovnik R., Wiemers M., Brosens D., Beshkov S., Bonelli S., Buszko J., Cantú-Salazar L., Cassar L.-F., Collins S., Dincă V., Djuric M., Dušej G., Elven H., Franeta F., Garcia-Pereira P., Geryak Y., Goffart P., Górá., Hiermann U., Höttinger H., Huemer P., Jakšić P., John E., Kalivoda H., Kati V., Kirkland P., Komac B., Kőrösi Á., Kulak A., Kuussaari M., L'Hoste L., Lelo S., Mestdagh X., Micevski N., Mihoci I., Mihuş S., Monasterio-León Y., Morgun D.V., Munguira M.L., Murray T., Nielsen P.S., Ólafsson E., Őunap E., Pamperis L.N., Pavlíčko A., Pettersson L.B., Popov S., Popović M., Pöyry J., Prentice M., Reyserhove L., Ryrholm N., Šašić M., Savenkov N., Settele J.,

- Sielezniew M., Synev S., Stefanescu C., Švitra G., Tammaru T., Tiitsaar A., Tzirkalli E., Tzortzakaki O., van Swaay C.A.M., Viborg A.L., Wynhoff I., Zografou K., Warren M.S. 2019. Integrating national Red Lists for prioritising conservation actions for European butterflies. *Journal of Insect Conservation* 23(2): 301-330. <https://doi.org/10.1007/s10841-019-00127-z>
28. Hinojosa J.C., Monasterio Y., Escobés R., Dincă V., Vila R. 2019. *Erebia epiphron* and *Erebia orientalis*: sibling butterfly species with contrasting histories. *Biological Journal of the Linnean Society* 126(2): 338-348. <https://doi.org/10.1093/biolinnean/bly182>
 29. Wiemers M., Balletto E., Dincă V., Fric Z.F., Lamas G., Lukhtanov V., Munguira M.L., van Swaay C.A.M., Vila R., Vliegenthart A., Wahlberg N., Verovnik R. 2018. An updated checklist of the European Butterflies (Lepidoptera: Papilionoidea). *Zookeys* 811: 9-45. <https://doi.org/10.3897/zookeys.811.28712>
 30. Lukhtanov V.A.[#], Dincă V.[#], Friberg M., Šíchová J., Olofsson M., Vila R., Marec F., Wiklund C. 2018. Versatility of multivalent orientation, inverted meiosis, and rescued fitness in holocentric chromosomal hybrids. *PNAS* 115(41): E9610-E9619. <https://doi.org/10.1073/pnas.1802610115>. ([#] equal contribution). Featured on the journal cover.
 31. Dincă V., Bálint Zs., Vodă R., Dapporto L., Hebert P.D.N., Vila R. 2018. Use of genetic, climatic, and microbiological data to inform reintroduction of a regionally extinct butterfly. *Conservation Biology* 32(4): 828-837. <https://doi.org/10.1111/cobi.13111>
 32. Livraghi L., Vodă R., Evans L.C., Gibbs M., Dincă V., Holland P.W.H., Shreeve T.G., Vila R., Dapporto L., Breuker C.J. 2018. Historical and current patterns of gene flow in the butterfly *Pararge aegeria*. *Journal of Biogeography* 45(7): 1628-1639. <https://doi.org/10.1111/jbi.13354>
 33. Leal L., Talla V., Källman T., Friberg M., Wiklund C., Dincă V., Vila R., Backström N. 2018. Gene expression profiling across ontogenetic stages in the wood white (*Leptidea sinapis*) reveals pathways linked to butterfly diapause regulation. *Molecular Ecology* 27(4): 935-948. doi: 10.1111/mec.14501
 34. Todisco V., Letsch H., Fiedler K., Gottsberger B., Dincă V., Vodă R., Grill A. 2018. Molecular phylogeny of the Palearctic butterfly genus *Pseudophilotes* (Lepidoptera: Lycaenidae) with a focus on the Sardinian endemic *P. barbagiae*. *BMC Zoology* 3: 4 <https://doi.org/10.1186/s40850-018-0032-7>
 35. Koubínová D., Dincă V., Dapporto L., Vodă R., Suchan T., Vila R., Alvarez N. 2017. Genomics of extreme ecological specialists: multiple convergent evolution, but no genetic divergence between ecotypes of *Maculinea alcon* butterflies. *Scientific Reports* 7: 13752. doi:10.1038/s41598-017-12938-8
 36. Talla V., Suh A., Kalsoom F., Dincă V., Vila R., Friberg M., Wiklund C., Backström N. 2017. Rapid increase in genome size as a consequence of transposable element hyperactivity in Wood-White (*Leptidea*) butterflies. *Genome Biology and Evolution* 9(10): 2491-2505. doi: 10.1093/gbe/evx163
 37. Dapporto L., Cini A., Menchetti M., Vodă R., Bonelli S., Casacci L.P., Dincă V., Scalercio S., Hinojosa J.C., Biermann H., Forbicioni L., Mazzantini U., Venturi L., Zanichelli F., Balletto E., Shreeve T.G., Dennis R.L.H., Vila R. 2017. Rise and fall of island butterfly diversity. Understanding genetic differentiation and extinction in a highly diverse archipelago. *Diversity and Distributions* 23(10): 1169-1181. DOI: 10.1111/ddi.12610
 38. Dincă V., Székely L., Bálint Zs., Skolka M., Török S., Hebert P.D.N. 2017. Improving knowledge of the subgenus *Agrodiaetus* (Lepidoptera: Lycaenidae) in Eastern Europe: overview of the Romanian fauna. *European Journal of Entomology* 114: 179-194. doi: 10.14411/eje.2017.023.

39. Pitteloud C., Arrigo N., Suchan T., Mastretta-Yanes A., Vila R., Dincă V., Hernández-Roldán J., Brockmann E., Chittaro Y., Kleckova I., Fumagalli L., Buerki S., Pellissier L., Alvarez N. 2017. Climatic niche evolution is faster in sympatric than allopatric lineages of the butterfly genus *Pyrgus*. *Proceedings of the Royal Society B* 284: 20170208. <http://dx.doi.org/10.1098/rspb.2017.0208>.
40. Hernández-Roldán J., Dapporto L., Dincă V., Vicente J.C., Hornett E.A., Šichová J., Lukhtanov V.A., Talavera G., Vila R. 2016. Integrative analyses unveil speciation linked to host plant shift in *Spialia* butterflies. *Molecular Ecology* 25: 4267-4284. DOI: 10.1111/mec.13756
41. Vodă R.[#], Dapporto L.[#], Dincă V., Shreeve T.G., Khaldi M., Barech G., Rebbas K, Sammut P., Scalercio S., Hebert P.D.N., Vila R. 2016. Historical and contemporary factors generate unique butterfly communities on islands. *Scientific Reports* 6: 28828. DOI: 10.1038/srep28828 ([#] equal contribution).
42. Adamowicz S.J., Chain F.J.J., Clare E.L., Deiner K., Dincă V., Elías-Gutiérrez M., Hausmann A., Hogg I.D., Kekkonen M., Lijtmaer D.A., Naaum A., Steinke D., Valdez-Moreno M., Van der Bank M., Wilson J-J, Xu J. 2016. From Barcodes to Biomes: Special Issues from the 6th International Barcode of Life Conference. Introduction. *Genome* 59(9): v-ix doi:10.1139/gen-2016-0159
43. Mutanen M., Kivelä S.M., Vos R.A, Doorenweerd C., Ratnasingham S., Hausmann A., Huemer P., Dincă V., Nieuwerkerken E.J., Lopez-Vaamonde C., Vila R., Aarvik L., Decaëns T., Efetov K.A., Hebert P.D.N., Johnsen A., Karsholt O., Pentinsaari M., Rougerie R., Segerer A., Tarmann G., Zahiri R., Godfray C.J. 2016. Species-Level Para- and Polyphyly in DNA Barcode Gene Trees: Strong Operational Bias in European Lepidoptera. *Systematic Biology* 65(6): 1024-1040. doi: 10.1093/sysbio/syw044
44. Šichová J., Ohno M., Dincă V., Watanabe M., Sahara K., Marec F. 2016. Fissions, fusions, and translocations shaped the karyotype and multiple sex chromosome constitution of the northeast-Asian wood white butterfly, *Leptidea amurensis*. *Biological Journal of the Linnean Society* 118(3): 457-471. DOI: 10.1111/bij.12756.
45. Shtinkov N., Kolev Z., Vila R., Dincă V. 2016. The sibling species *Leptidea juvernica* and *L. sinapis* (Lepidoptera, Pieridae) in the Balkan Peninsula: ecology, genetic structure, and morphological variation. *Zoology* 119: 11-20. <http://dx.doi.org/10.1016/j.zool.2015.12.003>
46. Dincă V., Montagud S., Talavera G., Hernández-Roldán J., Munguira M.L., García-Barros E., Hebert P.D.N., Vila R. 2015. DNA barcode reference library for Iberian butterflies enables a continental-scale preview of potential cryptic diversity. *Scientific Reports* 5: 12395. DOI: 10.1038/srep12395
47. Šichová J., Voleníková A., Dincă V., Nguyen P., Vila R., Sahara K., Marec F. 2015. Dynamic karyotype evolution and unique sex determination systems in *Leptidea* wood white butterflies. *BMC Evolutionary Biology* 15: 89. DOI 10.1186/s12862-015-0375-4.
48. Vodă R., Dapporto L. Dincă V., Vila R. 2015. Why do cryptic species tend not to co-occur? A case study on two cryptic pairs of butterflies. *PLoS ONE* 10(2): e0117802. doi:10.1371/journal.pone.0117802
49. Vodă R., Dapporto L. Dincă V., Vila R. 2015. Cryptic matters: overlooked species generate most butterfly beta-diversity. *Ecography* 38(4): 405-409. <https://doi.org/10.1111/ecog.00762>
50. Dapporto L., Vodă R., Dincă V., Vila R. 2014. Comparing population patterns for genetic and morphological markers with uneven sample sizes. An example for the butterfly *Maniola jurtina*. *Methods in Ecology and Evolution* 5(8): 834-843. <https://doi.org/10.1111/2041-210X.12220>

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