

## PEER-REVIEWED PUBLICATIONS

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- 30 Carvalho APS, Owens HL, St Laurent RA, Earl C, Dexter KM, Messcher RL, Willmott KR, **Aduse-Poku K**, Collins SC, Homziak NT, Hoshizaki S, Hsu YF, Kizhakke AG, Kunte K, Martins DJ, Mega NO, Morinaka S, Peggie D, Romanowski HP, Sáfián S, Vila R, Wang H, Braby MF, Espeland M, Breinholt JW, Pierce NE, Kawahara AY, Lohman DJ. Diversification is correlated with temperature in white and sulfur butterflies. 2023. *bioRxiv* 2022.09.22.509088; doi: <https://doi.org/10.1101/2022.09.22.509088>
- 29 Kawahara AY, Storer C, Carvalho APaula S, Plotkin DM, Condamine FL, Braga MP, Ellis EA, St Laurent RA, Li X, Barve V, **Aduse-Poku, K** et al. A global phylogeny of butterflies reveals their evolutionary history, ancestral hosts and biogeographic origins. 2023. *NATURE Ecology & Evolution* **7(6)**: 903 – 913 <https://doi.org/10.1038/s41559-023-02041-9>
- 28 Boyle JH, Espeland M, Sáfián S, Ducarme R, Gardiner AJ, Coleman JW., Heath A, Fisher S, Collins S, Martins D, **Aduse-Poku K**, Libert M, Dankowicz E, Kawahara AY, Lohman DJ, Pierce NE. Phylogeny of the Poritiinae (Lepidoptera: Lycaenidae), butterflies with ant associations and unusual lichenivorous diets. 2023. *Systematic Entomology*, 1– 12. <https://doi.org/10.1111/syen.12585>
- 27 **Aduse-Poku K**, Lohman D.J., and Richardson I. Revision of the genus *Neptis* Fabricius, 1807 (Papilionoidea: Lepidoptera: Nymphalidae) in the Afrotropical Region, Part 4: The phylogeny of the Nysiades group with eight new species. 2022. *Metamorphosis*, **33**:130-163 <https://dx.doi.org/10.4314/met.v33i1.15>
- 26 Tsenga HY, Chibab H, Lohman DL, Yen SH, **Aduse-Poku K**, Ohshima Y and Wu LW. 2022. Out of Asia: Intercontinental dispersals after the Eocene-Oligocene transition shaped the zoogeography of Limenitidinae butterflies (Lepidoptera: Nymphalidae). 2022. *Molecular Phylogenetics and Evolution*. **170**:107444 <https://doi.org/10.1016/j.ympev.2022.107444>
- 25 **Aduse-Poku K**, van Bergen E, Safian S, Collins SC, Etienne RS, Herrera-Alsina L, Brakefield PM, Brattström O, Lohman, DJ, and Wahlberg N. Miocene climate and habitat change drove diversification in *Bicyclus*, Africa's largest radiation of satyrine butterflies. 2022. *Systematic Biology* **71(3)**: 570-588. <https://doi.org/10.1093/sysbio/syab066>
- 24 Chazot N, Condamine F, Dudas G, Peña C, Kodandaramaiah U, Matos-Maraví P, **Aduse-Poku K**, Elias M, Warren AD, Lohman D, Penz C, DeVries P, Fric ZF, Nylin S, Müller C, Kawahara AY, Silva-Brandao K, Lamas G, Kleckova I, Zubeck A, Ortiz-Acevedo E, Vila R, Vane-Wright R, Mullen S, Jiggins CD, Wheat CW, Freitas AVL and Wahlberg N. Conserved ancestral tropical niche but different continental histories explain the latitudinal diversity gradient in brush-footed butterflies. 2021. *Nature Communications* **12**: 5717. [doi:10.1038/s41467-021-25906-8](https://doi.org/10.1038/s41467-021-25906-8)

- 23 Carvalho A.P.S, St Laurent R.A, Toussaint EFA, Storer CG, Dexter KM., **Aduse-Poku K** and Kawahara A.Y. Is sexual conflict a driver of speciation? A case study with a tribe of brush-footed butterflies. 2021. *Systematic Biology* **70**: 413-420  
<https://doi.org/10.1093/sysbio/syaa070>
- 22 Brattström O, **Aduse-Poku K**, van Bergen E, French V and Brakefield P.M. A release from developmental bias accelerates morphological diversification in butterfly eyespots. 2020. *PNAS*. **44**: 27474-27480 <https://doi.org/10.1073/pnas.2008253117>
- 21 Ma L, Zhang Y, Lohman DJ, Wahlberg N, Ma F, Nylin S, Janz N, Yago M, **Aduse-Poku K**, Peggie D, Wang M, Zhang P, and Wang H. A phylogenomic tree inferred with an inexpensive PCR-generated probe kit resolves higher-level relationships among *Neptis* butterflies (Nymphalidae: Limenitidinae). 2020. *Systematic Entomology* **45**: 924-934  
<https://doi.org/10.1111/syen.12435>
- 20 Warren-Gash H, **Aduse-Poku K**, Murillo-Ramos , and Wahlberg N. Systematics and evolution of the African butterfly genus *Mylothris* (Lepidoptera: Pieridae). 2020. *Nota Lepidopterologica* **43**: 1-14 <https://doi.org/10.3897/nl.43.46354>
- 19 Molleman F, Javois J., Davis R.B., Whitaker M.R.L., Tammaru T., Prinzing A., Öunap E., Wahlberg N., Kodandaramaiah U., **Aduse-Poku K**, Kaasik, A and Carey J.R. Quantifying the effects of species traits on predation risk in nature: a comparative study of butterfly wing damage. 2020. *Journal of Animal Ecology* **89**: 716-729 <https://doi.org/10.1111/1365-2656.13139>
- 18 Toussaint EFA, Vila R, Yago M, Chiba H, Warren AD, **Aduse-Poku K**, Storer C, Dexter KM, Maruyama K, Lohman DJ and Kawahara AY. Out of the Orient: Post-Tethyan transoceanic and trans-Arabian routes fostered the spread of Baorini skippers in the Afrotropic. 2019. *Systematic Entomology* **44**: 926–938 <https://doi.org/10.1111/syen.12365>
- 17 **Aduse-Poku K**, Molleman F., Oduro, W., Oppong, S.K., Lohman J. D. and Etienne R.S. 2018. Relative contribution of neutral and deterministic processes in shaping fruit-feeding butterfly assemblages in Afrotropical forests. 2018. *Ecology and Evolution*, **8**: 296–308.  
<https://doi.org/10.1002/ece3.3618>
- 16 Sahoo R.K., K.S, Lohman J.D., Wahlberg N, Müller, C.J., Brattström O., Collins C. S, Peggie D., **Aduse-Poku K**, Kodandaramaiah U. Evolution of *Hypolimnas* butterflies (Nymphalidae): Out-of-Africa origin and *Wolbachia*-mediated introgression. 2018. *Molecular Phylogenetics and Evolution*, **123**: 50-58 <https://doi.org/10.1016/j.ympev.2018.02.001>

- 15 Espeland M., Breinholt J., Willmott K.R, Warren A., Vila R., Toussaint E.F.A, Maunsell C.S., **Aduse-Poku K.**, Talavera G., Eastwood R., Jarzyna M.A., Guralnick R., Lohman D.J, Pierce, N, Kawahara Y.A. Comprehensive and dated phylogenomic analysis of butterflies. 2018. *Current Biology*, **28**: 770–778 <https://doi.org/10.1016/j.cub.2018.01.061>
- 14 van Bergen E., Osbaldeston D., Kodandaramaiah U., Brattström O., **Aduse-Poku, K.** and Brakefield, P.M. 2017. Conserved patterns of integrated developmental plasticity in a group of polyphenic tropical butterflies. 2017. *BMC Evolutionary Biology*, **17**: 59. <https://doi.org/10.1186/s12862-017-0907-1>
- 13 **Aduse-Poku K.**, Brakefield P.M., Wahlberg, N and Brattström O. Expanded molecular phylogeny of the genus *Bicyclus* (Lepidoptera: Nymphalidae) shows the importance of increased sampling for detecting semi-cryptic species and highlights potentials for future studies. 2017. *Systematics and Biodiversity*, **15**: 115-130 <https://doi.org/10.1080/14772000.2016.1226979>
- 12 **Aduse-Poku K.**, Lees D. C., Brakefield P.M, Brattström, O., Kodandaramaiah U. and Wahlberg N. Molecular phylogeny and higher taxonomy of the widespread Old-World butterfly genus *Heteropsis* (Nymphalidae: Satyrinae: Mycalesina). 2016. *Systematic Entomology*, **41**: 717-731 <https://doi.org/10.1111/syen.12183>
- 11 Brattström O., **Aduse-Poku K.**, Collins S. C., Santo T.M. and Brakefield P.M. Revision of the *Bicyclus sciathis* species-group (Lepidoptera: Nymphalidae) with descriptions of four new species and corrected distributional records. 2016. *Systematic Entomology*, **41**: 207-228 <https://doi.org/10.1111/syen.12150>
- 10 Brattström O., **Aduse-Poku K.**, Collins S.C. and Brakefield P.M. Revision of the *Bicyclus ignobilis* species-group (Lepidoptera: Nymphalidae: Satyrinae) with a description of two new species. 2015. *Zootaxa*, **4018**:5 7-79 <https://doi.org/10.11646/zootaxa.4018.1.3>
- 9 **Aduse-Poku K.**, Brattström O., Kodandaramaiah U., Lees D. C., Brakefield, P.M and Wahlberg, N. Systematics and historical biogeography of the Old World butterfly subtribe Mycalesina (Lepidoptera: Nymphalidae: Satyrinae). 2015. *BMC Evolutionary Biology*, **15**: 167 <https://doi.org/10.1186/s12862-015-0449-3>
- 8 Safian S.L., Larsen T.B., Collins S.C., Csontos G., and **Aduse-Poku K.** Results of the butterfly and moth inventory in Ghana I. (Lepidoptera: Lycaenidae). 2012. *Folia Entomologica Hungarica*, **73**: 53-75 <http://publication.nhmus.hu/folent/index.php>
- 7 **Aduse-Poku K.**, Oduro W., Oppong S.K., and Molleman F. Spatial and temporal variation in butterfly biodiversity in a West African forest: lessons for establishing efficient rapid monitoring programmes. 2012. *African Journal of Ecology* **50**: 326-334 <https://doi.org/10.1111/j.1365-2028.2012.01328.x>

- 6 **Aduse-Poku K.**, Vingerhoedt E. and Wahlberg N. Out-of-Africa again: a phylogenetic hypothesis of the genus *Charaxes* (Lepidoptera: Nymphalidae) based on 5 gene regions. 2009. *Molecular Phylogenetics and Evolution*, **53**: 463-478 <https://doi.org/10.1016/j.ympev.2009.06.021>
- 5 Larsen T.B., **Aduse-Poku K** and Safian S.L The butterflies of Boabeng-Fiema biodiversity in a forest fragment in Ghana (Lepidoptera: Papilionoidea & Hesperioidea). 2009. *African Entomology*, **17(2)**: 131-146 <https://doi.org/10.4001/003.017.0203>
- 4 Adu-Pakoh D., Oppong S.K. and **Aduse-Poku K**. Influence of Cocoa agro-ecosystem on fruit-feeding (Nymphalidae) butterflies. 2008. *Journal of the Ghana Science Association*, **10**: 145-158 <https://www.ajol.info/index.php/jgsa/article/view/18051>
- 3 **Aduse-Poku K** and Doku-Marfo E. A rapid survey of butterflies in the Atewa Range Forest Reserve, Ghana. In: Assessment of the Atewa Range Forest Reserve, Eastern Ghana. E. McCullough, J., L.E. Alonso, P. Naskrecki, H.E. Wright and Y. Osei-Owusu (eds.). 2007. *RAP Bulletin of Biological Assessment*, **47**: 55-60. <https://doi.org/10.1896/054.047.0110>
- 2 Larsen T.B., **Aduse-Poku K.**, Boersma H., Safian S and Baker J. Bobiri Butterfly Sanctuary in Ghana – Discovering its butterflies (with a checklist of the 930 butterflies of Ghana). 2007. *Metamorphosis*, **18**: 87- 126 <https://www.metamorphosis.org.za/articlesPDF/750/Metamorphosis%20Vol%2018-3%20September%202007.pdf>
- 1 Oduro W and **Aduse-Poku K**. Preliminary assessment of fruit-feeding butterflies (Nymphalids) communities in Owabi Wildlife Sanctuary. 2005. *Ghana Journal of Forestry*, **17** & **18**: 9-19 <https://www.ajol.info/index.php/gjf/article/view/36902>