

## CURRICULUM VITAE: **CLAUS RASMUSSEN**

**KEYWORDS:** Ecology of Insect-Plant Interactions, Crop Pollination and General Pollination Ecology, Bee Ecology, Biodiversity and Species Inventories, Sustainable Agriculture, Entomology, Evolutionary Systematics and Biogeography, Global South and Amazonian Relations.

### BIOSKETCH:

My main research interest is to explain what determines and sustain biological diversity by studying bees and other insects. I am particularly interested in documenting and relating species, distribution, and ecology with their interactions, evolutionary history, functional traits, and conservation planning in an agricultural context. I also supervise students, teach, manage research projects, take responsibility in committees, and review papers for scientific journals.

### PERSONAL DATA:

- Danish nationality
- Extended stays in USA (5 years) and Peru (5 years)
- Married; two grown up children

### CONTACT INFORMATION:

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E-mail: [claus.rasmussen@agro.au.dk](mailto:claus.rasmussen@agro.au.dk)

### CURRENT POSITION:

- *Tenure Track Assistant Professor*. Department of Agroecology (Section for Entomology and Plant Pathology), Aarhus University, Flakkebjerg and Foulum, Denmark (2022-).

### PREVIOUS POSITIONS:

- *Academic employee*. Department of Agroecology, Aarhus University, Foulum, Denmark (2020-2022).
- *Assistant Professor*. Department of Bioscience, Aarhus University, Denmark (2017-2020).
- *Postdoctoral Research Fellow*. Department of Bioscience, Aarhus University, Denmark/H Brix. *Herbivory in Phragmites australis* (6 months, 2016).
- *Postdoctoral Research Fellow*. Department of Bioscience, Aarhus University, Denmark/JM Olesen. *Native Danish bees: Distribution, status and Danish names* (6 months, 2015-2016).
- *Teaching assistant*. Department of Bioscience, Aarhus University, Denmark. *Population Ecology* (1 month, 2015).
- *Research consultant*. Conservation International, Peru/U Hellimo. *Study of the pollinators in Alto Mayo, San Martín, Peru* (3 months, 2015).
- *Developer for the International Biology Olympiad 2015*. Science and Technology, Aarhus University, Denmark/AB Lindberg (2 weeks, 2015).
- *Postdoctoral Research Fellow*. Department of Bioscience, Aarhus University, Denmark/JM Olesen. *Climate change in relation to an ecological network* (3 years, 2010-2012).
- *Research consultant*. Instituto Nacional de Innovación Agraria (INIA)-Juan Guerra, Peru/P Orihuela-Pasquel. Funded by Gobierno Regional de San Martín, Peru. *Stingless bees and other insects from the physic nut tree (Jatropha curcas)* (2 months, 2009).
- *Research assistant*. American Museum of Natural History, USA/JS Ascher. Funded by Food and Agriculture Organization (FAO) of the United Nations. *Bee checklists for India, Laos, and Nicaragua* (1 month, 2009).

- *Research assistant*. University of Illinois at Urbana-Champaign, USA/SA Cameron. *Molecular phylogeny of the stingless bees* (2003-2008).
- *Research assistant*. Illinois Natural History Survey, USA/C Favret. Funded by National Science Foundation (DBI 0447379). *Hymenopteran Biodiversity Informatics, including museum curation and database supervision* (9 months, 2007).
- *Project leader*. Universidad Nacional de San Martín, Peru/L Leveau-Guerra. *Dynamics and ecological factors of the Biodiversidad forest (San Martín–Peru): Inventory of bees, butterflies, and trees in the Biodiversidad field center* (12 months, 2002-03).
- *Project leader*. NGO Nepenthes (now Verdens Skove), Denmark and the Universidad Nacional de San Martín/L Leveau Guerra. *Activities for improving the environmental center “Biodiversidad” in San Martín, Peru* (3 months, 2002).
- *Project leader*. Museo Nacional de Historia Natural, Lima, Peru/G Lamas. *Euglossine bee diversity in disturbed habitats of Amazonian Peru* (3 months, 2001).
- *Research associate*. International Potato Center, Peru/SE Jacobsen & the Royal Veterinary and Agricultural University, Denmark/P Esbjerg. *Integrated Pest Management in Andean crop production* (10 months, 2000).
- *Field assistant*. University of Turku, Finland/M Romo. *Ecology and dispersal of bat-dispersed tree species in a tropical rainforest at the Cocha Cashu research station, Manu National Park, Madre de Dios, Peru* (2 months, 1999).
- *Field assistant*. Danmarks Miljøundersøgelser/S Mark. *Vegetation analysis of Danish forest habitats* (2 months, 1997).
- *Field assistant*. Aarhus University, Denmark/JC Svenning. *Vegetation analysis in the Yasuní forest dynamics plot project*. Yasuní research station, P.N. Yasuní, Ecuador (4 months, 1995).

#### PERIODS OF LEAVE:

- Unemployed, but active publishing articles and awaiting outcome of grant submissions and several lengthy University job interviews from USA and Norway (2013-2014).

#### EDUCATION:

- **PhD** in Entomology, September 2<sup>nd</sup>, 2008<sup>1</sup>, Department of Entomology, University of Illinois at Urbana-Champaign, USA (2004-2008). Committee: Sydney Cameron (Advisor), Stewart Berlocher, Christopher Dietrich, Andrew Suarez & James Whitfield. Dissertation: *Molecular Phylogeny of Stingless Bees: Insights Into Divergence Times, Biogeography, and Nest Architecture Evolution (Hymenoptera: Apidae: Meliponini)*.
- **MSc** in Biology, May 14<sup>th</sup>, 1999, Department of Ecology and Genetics, Aarhus University, Denmark (1992-1999). Advisor: Jens Mogens Olesen. Thesis: *Coevolution of the Oil Gathering Bee-Calceolaria System in the Andes of Peru*.
- High-school, Aarhus Katedralskole, Denmark (1988–1991). Major in mathematics and physics.

#### PEDAGOGICAL COURSES AND TEACHING QUALIFICATIONS:

- **Research Leader Talents** at Aarhus University (2022-2023).
- **Introduction to Leadership** at Aarhus University (2019)
- **Teacher Training Program** for assistant professors and post docs at Aarhus University (2019).
- **Research Outreach (forskningsformidling)** at Aarhus University (2017)
- **International Teaching Assistant Training Program** at the University of Illinois (2004).

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<sup>1</sup> See section ‘Previous positions’ for activities between the PhD and MSc degrees.

#### SUPERVISION AND MENTORING:

8. Robert Skak Hansen (MSc, 2023-2024, ongoing, “Biodiversitet i agri-fotovoltaik-systemer”)
7. Morten Hansen (MSc, Aalborg University, 2021, “Correlations between functional traits, gut bacterial communities and microsporidian diversity in bumblebee workers (*Bombus pascuorum*) across different locations and sampling times in Northern Jutland, Denmark”)
6. Hans Jørgen Andersen (BSc, 2019, “Naturkvalitetens effekt på biodiversiteten: Bi-diversiteten på Nordjyske sure overdrev”)
5. Nikolaj Rauff Poulsen (BSc, 2019, “Islander bees: Clarifying how wood nesting bees have a better island dispersal ability”)
4. Kim Pless-Schmidt (BSc, 2019, “Insect pollination of Danish orchids, with an example from *Epipactis helleborine* subsp. *helleborine*”)
3. Anne Thuesen Holst (BSc, 2018, “The effect of nature conservation on bumblebees (Hymenoptera: Apidae, *Bombus*) at Mols, Denmark”)
2. Leopoldo Jesús Alvarez (PhD, 2012-2016, co-supervisor, “Diversity of native bees of the tribe Meliponini (Hymenoptera, Apidae) in Argentina”)
1. Karin Brydsø Dammark (BSc, 2012, “*Anthophora plagiata* (Hymenoptera: Apidae): Biology and causes of decline”)

#### TEACHING EXPERIENCE:

- 2024: *Course responsible, Lecturer*. Prepared course content and scheduled teaching for Classification of plants and other organisms, undergraduate course (1 semester, 14 weeks, 8 hours/week, in addition to organization and exam), Aarhus University, Denmark.
- 2022, 2023: *Lecturer*. Environmental management at farm level, graduate course (1 semester, 14 students, 16 lecture hours, in addition to organization and exam), Aarhus University, Denmark.
- 2018, 2019, 2020: *Lecturer*. Videregående populationsbiologi (Advanced Population Biology/~Evolutionary Ecology), undergraduate course (1 semester, ~50 students, taught seven weeks of course, 2 lectures/week, 3 theoretical exercises/week, in addition to organization and exam), Aarhus University, Denmark.
- 2018, 2019: *Lecturer*. Økologi (Ecology), undergraduate course (1 semester, ~100 students, taught 7 weeks of course, 3 lectures/week, in addition to organization, theoretical exercises, and two exams), Aarhus University, Denmark.
- 2018, 2019: *Lecturer*. Sommerkursus i Populationsøkologi (Summer course in Population Ecology), undergraduate course (1 week, full-time, ~20 students, field-work, laboratory-work, presentations), Aarhus University, Denmark.
- 2019: *Guest lecturer*. Conservation Biology, undergraduate course (1 lecture on bee conservation), Copenhagen University, Denmark.
- 2017: *Lecturer*. Introducción a la Sistemática de Abejas Nativas (Bee course), undergraduate and graduate course (1 day, full-time), Universidad Nacional de la Amazonia Peruana, Iquitos, Peru.
- 2017: *Guest lecturer*. Constructed Wetlands for Water Pollution Control, PhD course (1 lecture on insects in wetlands), Aarhus University, Denmark.
- 2015: *Lecturer*. Sommerkursus i Populationsøkologi (Summer course in Population Ecology), undergraduate course (2 weeks, full-time), Aarhus University, Denmark.
- 2013: *Guest lecturer*. Insect Systematics, graduate course (1 lecture on Thysanoptera), Auburn University, USA.

- 2012: *Guest lecturer*. Evolutionary Ecology, undergraduate course (2 lectures on co-evolution), Aarhus University, Denmark.
- 2012: *Lecturer*. Populationsøkologi (Population Ecology), undergraduate course (1 quarter, with other instructors), Aarhus University, Denmark.
- 2011: *Guest lecturer*. Evolutionary Ecology, undergraduate course (2 lectures on co-evolution), Aarhus University, Denmark.
- 2011: *Lecturer*. Populationsøkologi (Population Ecology), undergraduate course (1 quarter, with other instructors, course responsible), Aarhus University, Denmark.
- 2010: *Guest lecturer*. Evolutionary Ecology (2 lectures on phylogenetics), Aarhus University, Denmark.
- 2008: *Lecturer*. II Curso internacional en ecología, sistemática, y uso de abejas silvestres (bee course), undergraduate and graduate course (9 days, full-time), Universidad Nacional de Colombia, Medellín, Colombia.
- 2007: *Guest lecturer*. Principles of systematics, graduate course (1 lecture on Biological Nomenclature and Taxonomic Codes), University of Illinois at Urbana-Champaign, USA.
- 2004: *Teaching assistant (TA)*. Animal Biology, undergraduate course (one semester), University of Illinois at Urbana-Champaign, USA/HM Robertson.
- 2000: *Lecturer*. Insects and plants in the rainforest during field course in Pebas, Peru, undergraduate course (one week, full-time), Universidad Nacional de la Amazonía Peruana/C Grandez.
- 1999: *Teaching assistant*. Plant identification during field course in Dovrefjeld, Norway, highschool course (one week, full-time), Marselisborg Gymnasium, Denmark/E Kullberg.

#### EXPERT TASKS & PROFESSIONAL SERVICES:

Editorship and related:

- **Assistant Editor: Journal of Melittology** (2017-), *Caldasia*
- **Scientific Committee Board Member: Acta Biológica Colombiana** (2012-)
- **Editorial Board Member: Insects [MDPI]** (2021-)
- **Subject Editor: Zootaxa** (2011-2015); **Den Store Danske** (2009-2017); **Psyche** (2010)

Peer-review for scientific journals:

- >300 ad-hoc reviews for >65 journals since 2000, including (IF>2 in bold): *Acta Amazonica*, *Acta Biológica Colombiana*, *African Invertebrates*, *Alpine Entomology*, *American Museum Novitates*, *Annals of the Entomological Society of America*, ***Apidologie***, *Arthropod-Plant Interactions*, ***Behavioral Ecology and Sociobiology***, *Biochemical Genetics*, *Biologia (Botany, Zoology and Cellular and Molecular Biology)*, ***Biological Journal of the Linnean Society***, *Biologist Magazine (Institute of Biology)*, *Biota Colombiana*, ***Biotropica***, ***Botanical Journal of the Linnean Society***, *Caldasia*, ***Cladistics***, *Entomologica Fennica*, *Entomological Communications*, *Entomological News*, *Entomologiske Meddelelser*, *Entomotropica*, ***Evolution***, *European Journal of Entomology*, *Florida Entomologist*, ***Global Change Biology***, *The Great Lakes Entomologist*, ***Insect Conservation & Diversity***, *Insectes Sociaux*, ***Invertebrate Systematics***, *Journal of Apicultural Research*, ***Journal of Biogeography***, *Journal of Evolutionary Biology Research*, *Journal of Hymenoptera Research*, *Journal of Melittology*, *Journal of Natural History*, *Journal of the Kansas Entomological Society*, *Journal of the Natl. Science Foundation of Sri Lanka*, ***Molecular Ecology***, ***Molecular Ecology Resources***, ***Molecular Phylogenetics and Evolution***, *Nature*, *Naturwissenschaften*, *Neotropical Entomology*, *Papéis Avulsos de Zoologia*, *Plant Systematics and Evolution*, ***PLoS ONE***, ***Proceedings of the Royal Society of London Series B***, *Psyche*, *Raffles Bulletin of Zoology*, *Revista de Biología Tropical*, *Revista Colombiana de Entomología*, *Revista Centro Agrícola (Cuba)*, *Revista Brasileira de Entomologia*, *Revista Facultad Nacional de Agronomía Medellín*, *Revista Peruana de Entomología*, *Science Asia*, *Scientific Papers of Natural History Museum of the University of Kansas*, *Sociobiology*, *Studies on Neotropical Fauna and Environment*, ***Systematic Entomology***, *Treubia*, *Tropical Zoology*, *ZooKeys*, *Zoologica Scripta*, ***Zoological Journal of the Linnean Society***, *Zootaxa*.

Grant and proposal evaluations:

- **National Center of Science and Technology Evaluation, Kazakhstan**, research project proposals (2015, 2017, 2019, 2020, 2022)
- **National Science Centre, Poland**, research project proposal (2019)
- **Universidad Autonoma de Yucatan, Mexico**, book proposal (2018)
- **Springer Nature**, book proposals (2012)
- **Convocatoria Nacional de Investigación de la Universidad Nacional de Colombia**, research project proposal (2008)

Thesis evaluations:

- 2023: MSc (Emmeli Claré), MSc (Andreas Norrild), MSc (Caroline Høgh-Gulberg); 2020: MSc (Kristian Ravn Kongerslev), MSc (Frederik Fischer), PhD (Manjusha KT); 2019: PhD (Sheeja K); 2018: MSc (Jakob Kiilerich).

#### RESEARCH GRANTS AND FUNDING:

- 2023: "Green Valleys 2.0". Funding: Interreg Öresund-Kattegat-Skagerrak. PI: Kristina Anderbäck (Agroväst Livsmedel Aktieföretag). EUR 3,030,386.
- 2023: "Integrating Green Energy and Food production in a dynamic AgriPhotoVoltaic system (AGRIVOLT)". Funding: Innovation Fund Denmark. PI: Johannes Ravn Jørgensen. DKK 22,841,255.
- 2023: "Maintaining and restoring pollinators and pollination services in European agricultural landscapes (RestPoll)". Funding: HORIZON-CL6-2022-BIODIV-02-01-two-stage. PI: Alexandra Klein. EUR 7,967,829.
- 2020: "Research into the relationship between the honey bees and the native bees in Denmark" [Forskning i forholdet mellem honningbien og vilde bier i Danmark]. Funding: Landbrugsstyrelsen, Denmark. PI: Per Kryger. DKK 509,884.
- 2018: "The native bees of Møn" [De vilde bier på Møn]. Funding: Vordingborg kommune, Denmark. PI: Henning Bang Madsen. DKK 100.000.

- 2017: “*Native Danish bees – also in the future*” [Vilde danske bier – også i fremtiden]. Funding: 15. Juni Fonden, Denmark. PI: Claus Rasmussen. DKK 1,500,000.
- 2015: “*Native Danish bees: Distribution, status and Danish names*” [Vilde danske bier: udbredelse, status og danske navne]. Funding: 15. Juni Fonden, Denmark. PI: Claus Rasmussen. DKK 588,513.
- 2015: “*Study of the pollinators in Alto Mayo, San Martín, Peru*” [Estudio de polinizadores en la subcuenca del Alto Mayo, Región San Martín, Peru]. Funding: Conservation International, Peru/USA/Finland. PI: Evelyn Sánchez & Claus Rasmussen. PEN 45,171.
- 2011: Postdoctoral fellowship: “*Climate change in relation to an ecological network*”. Funding: Carlsbergfondet, Denmark. PI: Claus Rasmussen. DKK 545,982.
- 2011: Workshop grant: “*Ecological network analysis in an agricultural landscape*”. Funding: Danish Agency for Science, Technology and Innovation, Denmark. PI: Jens Mogens Olesen. DKK 356,838.
- 2009: Postdoctoral fellowship: “*Effects of climate change on structure and dynamics of an ecological network*”. Funding: Carlsbergfondet, Denmark. PI: Claus Rasmussen. DKK 1,471,533.
- 2009: Postdoctoral fellowship: “*Neotropical Meliponini: The genus Tetragonisca Moure, 1946 (Hymenoptera, Apidae, Apinae): Taxonomy, biology and biogeography*”. Funding: Fundação de Amparo à Pesquisa do Estado de São Paulo, Brazil. PI: J.M.F. Camargo. R\$ 124,424. Notice: I declined the fellowship following the passing of the close friend and PI.
- 2007: Travel grant: “*Biological catalog of the stingless bees (Hymenoptera: Apidae: Meliponini)*”. Funding: Francis M. and Harlie M. Clark Research Support Grant, University of Illinois at Urbana-Champaign, USA. PI: Claus Rasmussen. US\$1,500.
- 2005: “*Molecular phylogeny of stingless bees: A framework for historical biogeography and behavior*”. Funding: National Science Foundation (DEB 0446325), USA. PI: Sydney A Cameron. US\$298,198.
- 2003: Publication award: “*Premio Bayer 2003*”. Bayer Crop Science and Sociedad Entomológica del Peru personal award for best scientific research of the year presented in the Revista Peruana de Entomología. Funding: Bayer Crop Science, Peru. US\$500.
- 2003: Travel grant: “*Stingless bees (Hymenoptera: Apidae: Meliponini) in the Canadian National Collection of Insects*”. Funding: The CanaColl Foundation (Agriculture Canada), Canada. PI: Claus Rasmussen. CAN\$540.
- 2002: “*Dynamics and ecological factors of the Biodiversidad forest (Tarapoto, Peru)*” [Dinámica del bosque Biodiversidad y sus actores ecológicos]. Funding: FEDU-Universidad Nacional de San Martín, Peru. PI: Claus Rasmussen. PEN 16,720.
- 2002: Conservation grant: “*Activities for the environmental center “Biodiversidad” in Tarapoto (Peru)*” [Udvikling of det eksisterende miljøcenter “Biodiversidad” i Tarapoto]. Funding: Nepenthes’ Regnskovsfond and Randers Regnskov, Denmark. PI: Claus Rasmussen. DKK 73,300.
- 2001: “*The importance of primary rainforest and sustainable management for the biodiversity*” [Betydningen af primær regnskov og bæredygtig skovdrift for biodiversiteten]. Funding: WWF Verdensnaturfonden/Novo Nordisk Biodiversitetslegat, Denmark. PI: Claus Rasmussen. DKK 25,029.
- 2000: “*The biology of the q'hona q'hona*”. Funding: Rådet for Udviklingsforskning (RUF)/DANIDA, Denmark. PI: Claus Rasmussen. DKK 428,575.
- 1997: Travel grant: “*Investigation on the relationship between flowers and their pollinators in the Andes of Peru*” [Undersøgelse af samspil mellem blomster og insektbestøvere i Andesbjergene af Peru]. Funding: Emil Herborg fond/Det Kongelige Danske Videnskabers Selskab (1), Torben & Alice Frimodts fond (2), and Fiedlers fond (3), Denmark. PI: Claus Rasmussen. DKK 35,000 (3 grants).

- 1996: Travel grant: “*Reproductive ecology of Polemonium caeruleum (Polemoniaceae)*” [Reproduktiv økologi hos *Polemonium caeruleum* (Polemoniaceae)]. Funding: Marcus Lorenzens fond, Denmark. PI: Claus Rasmussen. DKK 2,000.
- 1992 Undergraduate student award. Funding: Wegners fond, Denmark. PI: Claus Rasmussen. DKK 2,000.

#### MEDIA COVERAGE:

- Expert opinion on stingless bee research for New York Times (2024).
- Expert opinion on species descriptions for Videnskab.dk (2023).
- Expert opinion on bumble bee declines for Videnskab.dk (2023).
- Comments on biodiversity in Agriphotovoltaic systems for GridTech/Ingeniøren (2023).
- Expert opinion on flower strips for Viborg Folkeblad (2023).
- Stingless bee research featured in Comfauna #18 (2023).
- Interview on recent publication on Lolland bees published both online and in the magazine Natur & Miljø (2):32–37 (2022).
- Expert opinion on laser detection of insects for Videnskab.dk, as well as Ritzau and Jyllands-Posten (2022).
- Expert opinion on native bees for Radio4 (‘Missionen: Vi vil finde bi-tyven’) (2021).
- Letter signatory on continued University budget cuts in Information (2021).
- Expert opinion on resource overlap between native bees and honey bees for DR P4 (Midt & Vest), Weekendavisen, DR Midt- og Vestjylland (TV og web), TV Midtvest (TV og web), Nationalt Center for Fødevarer og Jordbrug, Eureka Science Alert, Ud & Se, Øko Nu (2021).
- Expert opinion on flowers for predatory insects for Videnskab.dk (2021).
- Expert opinion on insect decline for Horsens Folkeblad (2019).
- Expert opinion on wasp stings at Skanderborg Festival for Ritzau, Berlingske Tidende, BT, Fyens Stiftstidende, Horsens Folkeblad, Vejle Amts Folkeblad, Information, Herning Folkeblad, Midtjyllands Avis, Jyllands-Posten, Kristeligt Dagblad and many more (2019)
- Rare bee re-encountered from Møn featured in national television (collaborator in TV-Avisen), as well as Politiken, Sjællandske, TV2 (web), TV2 Øst (web), Landbrugsnyt, Ugebladet for Møn, Netavisen Vordingborg (2019)
- Bee monitoring from Møn featured twice in Sjællandske (2018)
- Expert opinion on robot bees for DR Viden (2017, 2018) and Landbrugsavisen (2017)
- Expert opinion on bee decline for Landbrugsavisen (2018)
- Rare bee re-encountered from Samsø featured in national television (TV2, live in studio interview – [watch](#) – and collaborator in TV-Avisen), as well as DR Nyheder, Jyllands-Posten, Samsø Posten, Stiftten, The Post (2018)
- Bees from Bornholm featured in TV2-Bornholm (guided tour with television) and Bornholm (tourist paper) (2018)
- Expert opinion on stingless bee biology for National Geographic (2018)
- Expert opinion on bee friendly garden for DR Viden (2017)
- Danish names for bees featured in national television (TV Avisen, interview, [watch](#)), as well as Berlingske Tidende, BT, Costa Posten, DR Nyheder, Ekstra Bladet, Fritidsmarkedet, Jydske Vestkysten, KidsNews, Kristeligt Dagblad, Politiken, Randers Amtsavis, Viborg Stifts Folkeblad (2016)
- Expert opinion on social insects for Experimentarium (2011)
- Parrot research featured in Papageien (2009)

- Stingless bee research featured in Siamazonia (IIAP) (2003)
- Quinoa research featured in Berlingske Tidende (2000)

#### LANGUAGES:

- Danish (mother tongue), English and Spanish: fluent
- German and Scandinavian (Swedish and Norwegian): intermediate
- Brazilian Portuguese and French: basic

#### ACADEMIC SERVICE AND MISCELLANEOUS

*International work and field experience from Peru, 5 years; USA, 5 years; Ecuador, 0.5 year; Greenland, 14 weeks; Brazil, 8 weeks; Colombia, 4 weeks; less than three weeks fieldwork: Bolivia, Canada, China, Estonia, Kenya, Malaysia, Norway, Sweden.*

*Associate curator since 2000 and Associate Researcher since 2018 with the Entomological Department of the Museo Nacional de Historia Natural, Peru (G Lamas, D Silva, museohn.unmsm.edu.pe). Extensive volunteer work during 2001-2003.*

*Curatorial service during research visits to museum collections: American Museum of Natural History (USA, New York); Canadian National Collection of Insects (Canada, Ottawa); Coleção Camargo, Fac. de Filosofia, Ciências e Letras (Brazil, Ribeirão Preto); Field Museum of Natural History (USA, Chicago); Illinois Natural History Survey (USA, Champaign); Institute for Tropical Biology and Conservation (Malaysia, Kota Kinabalu); Instituto de Ciencias Naturales de la Universidad Nacional (Colombia, Bogotá); Museo de Entomología Klaus Raven Büller (Peru, Lima); Museo de Historia Natural (Peru, Lima); Museo Entomológico Francisco Luis Gallego (Colombia, Medellín); Museu de Entomologia Pe. Jesus Santiago Moure (Brazil, Curitiba); Museu de Zoologia (Brazil, São Paulo); Museum für Naturkunde der Humboldt-Universität (Germany, Berlin); Muséum National d'Histoire Naturelle (France, Paris); National Museum of Natural History (USA, Washington D.C.); Natural History Museum (England, London); Natural History Museum of Denmark (Denmark, Copenhagen); Senckenberg Deutsches Entomologisches Institut (Germany, Müncheberg); Snow Entomological Museum (USA, Lawrence).*

*Member and species leader for the International Union for the Conservation of Nature (IUCN) Species Survival Commission (SSC) Bumblebee Specialist Group (BBSG) for the South American Region (2012-2015).*

*Biodiversity discovery through new species and genus names proposed: (16) *Trigona silveirai* Oliveira et al. (15) *Plebeia mansita* Alvarez & Rasmussen, 2021; (14) *Tetragona atahualpa* Noguiera & Rasmussen, 2020; (13) *Wallacetrigona* Engel & Rasmussen, 2017 (new genus); (12) *Sahulotrigona* Engel & Rasmussen, 2017 (new subgenus); (11) *Heterotrigona (Sahulotrigona) paradisaea* Engel & Rasmussen, 2017; (10) *Nannotrigona camargoi* Rasmussen & Gonzalez, 2017; (9) *Plebeia guazurary* Alvarez, Rasmussen & Abrahamovich, 2016; (8) *Austroplebeia magna* Dollin, Dollin & Rasmussen, 2016; (7) *Liphanthus cuscoensis* Gonzalez, Rasmussen & Engel, 2014; (6) *Incasarus* Gonzalez, Rasmussen & Engel, 2013 (new genus); (5) *Incasarus garciai* Gonzalez, Rasmussen & Engel, 2013; (4) *Venanus kusikyulluræ* Rasmussen & Whitfield, 2011; (3) *Lestrimelitta piedmontana* Gonzalez & Rasmussen, 2010; (2) *Lasioglossum santafensis* Gonzalez & Rasmussen, 2010 (replacement name); (1) *Euglossa rufipes* Rasmussen & Skov, 2006.*

*New species proposed in honor (Patronyms): (7) *Centris rasmusseni* Vivallo, 2020; (6) *Euglossa clausi* Nemésio & Engel, 2012; (5) *Nasutopedia rasmusseni* Aguiar & Melo, 2011; (4) *Melaloncha rasmusseni* Brown, 2006; (3) *Anthidulum clausi* Urban, 2003; (2) *Ischnomelissa rasmusseni* Engel & Brooks, 2002; (1) *Chalepogenus rasmusseni* Roig-Alsina, 1999.*



*Pioneer keeper of stingless bees* (Meliponiculturist) in Tarapoto (Peru) since 2002 [[www.melipona.org](http://www.melipona.org)].

*Computer skills:* Phylogenetic software, R, JMP, GIS (DIVA-GIS, MaxEnt), Graphic design (most of the Adobe CS packages), Basic programming (Html, Perl), Databases (Access, Filemaker), web editor of: [www.melipona.org](http://www.melipona.org) [2007-2015]; [www.life.illinois.edu/scameron](http://www.life.illinois.edu/scameron) [2005-2008]; [www-u.life.uiuc.edu/~clausr](http://www-u.life.uiuc.edu/~clausr) [2003-2008] and others.

## LIST OF PUBLICATIONS OF CLAUS RASMUSSEN

SUMMARY (January 2024):

[Orcid ID](#) 0000-0003-1529-6548

[Google Scholar](#) with 5081 citations and h-index 32

[Researchgate](#) with 4033 citations and h-index 31. **185.000+ RG reads of my publications**

[ResearcherID](#) J-6714-2012 with 2500 citations and h-index 25

[AU profile](#) listing

### PUBLISHED PEER REVIEW PAPERS:

106. Bonilla Farinango KV, JL Salazar, C **Rasmussen** (2024). Wing phenotypic diversity in stingless bees genera (Apidae: Meliponini) from Ecuador Amazonia. *Acta Biológica Colombiana* 29: 112-118.
105. Oliveira FF de, MS Engel, C **Rasmussen**, CF Ribeiro, D Urban (2024). The taxonomic identity of *Trigona lacteipennis* Friese, 1900 and description of a new bee species of the *Trigona cilipes* (Fabricius, 1804) group (Hymenoptera: Apidae: Meliponini). *Zootaxa* 5404: 102–123.
104. Drews A, K Adam, J Gräper, H Herrmann, C Koppitz, J-C Kornmilch, HB Madsen, C **Rasmussen**, M Török, M Kuhlmann (2023). The Sea Aster mining bee *Colletes halophilus* Verhoeff, 1944 (Hymenoptera: Colletidae) widely distributed at the Baltic Sea coast of Denmark and Germany. *Faunistisch-Ökologische Mitteilungen* 2023: 13-21.
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- **Rasmussen C** & C Delgado (2023). Caracterización físico-química y microbiológica de la miel de abeja sin aguijón. *CRV: Revista de la Región San Martín* 1: 36–37.
- **Rasmussen C** (2023). *Skadegørerspecifikt bilag til beredskabsplan ved udbrud af Bactericera cockerelli*. *Rådgivningsrapport fra DCA – National Center for Fødevarer og Jordbrug, Aarhus Universitet*. 23 pp.



- **Rasmussen C** (2022). *Skadegørerspecifikt bilag til beredskabsplan ved udbrud af Thaumatotibia leucotreta. Rådgivningsrapport fra DCA – National Center for Fødevarer og Jordbrug, Aarhus Universitet*. 23 pp.
- **Rasmussen C** (2022). Prólogo. In: Vit P. *Ciencias Bibliométricas en la Academia*.
- **Rasmussen C**, EØ Mortensen, H Wenzel, M Ambye-Jensen & U Jørgensen (2022). *Scenarier for anvendelse af biomasseressourcer i fremtidens produktionssystemer for fødevarer, energi og materialer inden for rammerne af gældende politik for landbrug, miljø, klima, natur og energi. Rådgivningsrapport fra DCA – National Center for Fødevarer og Jordbrug, Aarhus Universitet*. 53 pp.
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- **Rasmussen C**, YL Dupont & HB Madsen (2019). *Bierne i Danmark*. In: Dybbro T. *Naturlommekalenderen 2020*. Rhodos, København, pp. 210-221.
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- **Rasmussen C** (2018). Foreword. In: Vit P, SRM Pedro & DW Roubik. *Pot-Pollen in Stingless Bee Melittology*. Springer Science, Cham, Switzerland, p: ix.
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- Villagómez GN, A Keller, C Rasmussen, SD Leonhardt (2019). Resource intake of stingless bee colonies along a disturbance gradient in a tropicalecosystem in Ecuador. *In abstracts, 49<sup>th</sup> Annual Meeting of the Ecological Society of Germany, Austria and Switzerland (GfÖ)*. University of Münster, Germany, 9-13 September, p. 421.
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- Castillo Carrillo PS, R Elizalde Vilela & C **Rasmussen** (2013). Inventario de las abejas nativas sin aguijón (Hymenoptera: Apidae: Meliponini) en Tumbes-Perú. *In memorias, VIII congreso mesoamericano de abejas nativas: biología, cultura y uso sostenible*. Heredia. Costa Rica, 26-31 August, p. 380–381.
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- **Rasmussen C** (2011). Climate change and pollination networks in Greenland. *In abstracts, Scandinavian Association of Pollination Ecology*, Vingstedcentret, Denmark, 27-30 October, p. 17.
- Alfaro Tapia A & C **Rasmussen** (2009). Registro preliminar de abejas (Hymenoptera-Apoidea) del Valle del Mantaro, Huancayo-Perú. *In resúmenes, LI Convención Nacional de Entomología*. Lima, Peru, 8-12 November, (1) unpaginated.
- Vit P, C **Rasmussen**, MG Gutiérrez & AJ Rodríguez-Malaver (2008). Composición físicoquímica de miel producida por diez especies de abejas sin aguijón de Perú. *In memorias, LVIII Convención Anual de AsoVAC, San Felipe, Yaracuy, Venezuela*, 30 November-5 December, (1) unpaginated.

- **Rasmussen C** (2008). Filogenia molecular de las abejas sin aguijón: revelaciones del tiempo de divergencia, biogeografía, y evolución de la arquitectura de los nidos (Hymenoptera: Apidae: Meliponini). *In memorias, IV Encuentro Colombiano Sobre Abejas Silvestres*, Bogotá, Colombia, 25-28 November, p. 32.
- Vit P, **C Rasmussen**, MG Gutiérrez & AJ Rodríguez-Malaver (2008). Four types of *Melipona* honey from Perú compared with bioactive and classical quality indicators. *In abstracts, 9th Asian Apicultural Association Conference & Exhibition*. Hangzhou, Zhejiang, China, 1-4 November, p. 188.
- Vit P, **C Rasmussen**, MG Gutiérrez, I González & AJ Rodríguez-Malaver (2008). Characterization of stingless bee honey from Peru. *In abstracts, Silae 2008 XVII Congreso Italo-Latinoamericano di Etnomedicina "Bernardino d'Ucria"*. Palermo, Italy, 16-21 September, (1) unpaginated.
- Vit P, **C Rasmussen**, MG Gutiérrez & AJ Rodríguez-Malaver (2008). Characterization of stingless bee honey from Peru. *In memorias, I Jornadas de Aseguramiento de la Calidad en Alimentos*. Mérida, Venezuela, 26-30 May, p. 22.
- **Rasmussen C**, SA Cameron & JMF Camargo (2007). A molecular phylogeny of the stingless bees and the evolution of nest architecture in *Trigona* (Hymenoptera: Apidae: Meliponini). *In abstracts, The 55<sup>th</sup> annual Meeting of the Entomological Society of America*. San Diego, CA, USA, 9-12 December, on-line version.
- Alfaro Tapia A, **C Rasmussen** & JA Ortiz (2007). Apoidea (Hymenoptera) de la región del Cusco. *In resúmenes, XLIX Convención Nacional de Entomología*. Chiclayo, Peru, 11-15 November, (1) unpaginated.
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- **Rasmussen C** (2003). A stingless bee from Peru as wasp nest parasite. *In abstracts, The 51<sup>st</sup> annual Meeting of the Entomological Society of America*. Cincinnati, OH, USA, 26-29 October, on-line version.

- **Rasmussen C** (2002). Meliponicultura en Tarapoto: Primeras experiencias con la crianza de la abeja nativa "Ramichi" (Hymenoptera: Apidae: Meliponini: *Tetragonisca angustula* Latreille, 1811). In *resúmenes, XIV Congreso Nacional de Biología*. Tarapoto, Peru, 26-30 May, p. 115.
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- **Rasmussen C**, SE Jacobsen, A Lagnaoui & P Esbjerg (2001). Evaluación de la diapausa en las polillas de quinua (*Eurysacca* spp., Gelechiidae, Lepidoptera). In *resúmenes, X Congreso Internacional de Cultivos Andinos*. Jujuy, Argentina, 4-7 July, Granos Andinos, p. 22.
- **Rasmussen C**, SE Jacobsen, A Lagnaoui & P Esbjerg (2000). Plagas de quinua (*Chenopodium quinoa* Willd.) en la zona andina. In *resúmenes, II Congreso Internacional de Agricultura en Zonas Áridas*. Iquique, Chile, 16-21 October, p. 42.
- **Rasmussen C** (1999). Coevolution of oil-bees and oil-flowers in the Andes of Peru. In *abstracts, 8th Meeting on Nordic Botanical Research in the Neotropics*. Turku, Finland, 13-17 July, unpaginated.
- **Rasmussen C** (1997). Oil-flowers and oil-gathering bees in Peru, a pollination study of *Calceolaria*. In *abstracts, 11<sup>th</sup> Meeting of the Scandinavian Association of Pollination Ecology*. Tjärnø, Sweden, 7-9 November, p. 22.

## LIST OF PRESENTATIONS

### INVITED SEMINARS:

- 2023 GrassTools Project Meeting, Aarhus University, Denmark (**speaker**).
- 2023 Green Valleys II – Partner meeting and seminar, Roslev, Denmark.
- 2022 Department of Agroecology, Aarhus Universitet, Flakkebjerg, Denmark.
- 2022 Århus og Omegns Biavlerforening, Aarhus, Denmark.
- 2021 La Humla Suse (Norway) and Vilde bier i Danmark (Denmark) (**speaker via zoom**).
- 2021 Vordingborg kommune, Denmark (**speaker via meet**).
- 2021 Folkeuniversitetet, Emdrup, Denmark.
- 2021 Danmarks Biavlerforening, Sorø, Denmark (**speaker via meet**).
- 2021 Department of Conservation Biology and Entomology, University of Cape Coast, Ghana (**speaker via zoom**).
- 2020 Foreningen for brune bier i Danmark, Aarhus, Denmark (cancelled due to COVID-19).
- 2020 Entomologisk Forenings Årsmøde, Aarhus, Denmark (cancelled due to COVID-19).
- 2019 Folkeuniversitetet, Syddjurs, Denmark.
- 2019 Folkeuniversitetet, Emdrup, Denmark.
- 2019 Folkeuniversitetet, Rougsø, Denmark.
- 2018 Aarhus Entomologklub, Aarhus, Denmark.
- 2018 Folkeuniversitetet, Aarhus, Denmark.
- 2017 Ciencias Forestales, Universidad Nacional de la Amazonia Peruana, Iquitos, Peru.
- 2017 CRISAP, Universidad Nacional de la Amazonia Peruana, Iquitos, Peru.
- 2016 Department of Bioscience, Aarhus University, Silkeborg, Denmark.
- 2015 Department of Bioscience, Aarhus University, Aarhus, Denmark.
- 2015 The University Centre in Svalbard, Longyearbyen, Norway.
- 2015 Københavns Amts Biavlerforening, Copenhagen, Denmark.
- 2013 Department of Biology, University of Puerto Rico-Rio Piedras, San Juan, Puerto Rico, USA.
- 2013 Department of Entomology & Plant Pathology, Auburn University, Alabama, USA.
- 2012 Danish Natural History Society, Copenhagen, Denmark.
- 2011 Department of Bioscience, Aarhus University, Silkeborg, Denmark.
- 2011 Department of Bioscience, Aarhus University, Aarhus, Denmark.
- 2010 Entomologisk Forening, Natural History Museum, Copenhagen, Denmark.
- 2010 Department of Biological Sciences, Aarhus University, Aarhus, Denmark.
- 2008 Departamento de Biologia, FFCLRP, Universidade de São Paulo, Ribeirão Preto, Brazil.
- 2008 Department of Entomology, University of Illinois, Urbana, Illinois, USA.
- 2005 Departamento de Zoologia, Universidade Federal do Paraná, Curitiba, Paraná, Brazil.
- 2005 Departamento de Genética, FMRP, Universidade de São Paulo, Ribeirão Preto, Brazil.

### OUTREACH EXPERIENCE:

- 2018 *Speaker* Temadag om bier i Møn Biosfæreområde, Denmark (Native bees).
- 2017 *Speaker* Fondsteltet, Naturmødet, Hirtshals, Denmark (Native bees).
- 2016 *Speaker* Plan Bi chili event, Frederikssund, Denmark (Native bees).
- 2012 *Instructor* Bee identification workshop, Feltbiologisk Forening, Aalborg University, Denmark.
- 2010 *Co-organizer* Gen-Øk dag; annual presentation of research, Aarhus University, Denmark.
- 2008 *Co-organizer and instructor* Native bee identification workshop, National pollinator week, Champaign Public Library, IL, USA.

### CONFERENCES AND WORKSHOPS ATTENDED AND ORGANIZED:

- 2023 Green Valley II - Bioraffinering af græs/kløver, Roslev, Denmark (**speaker**).
- 2023 I Congreso Nacional de Meliponicultura / VI Congreso Nacional De Apicultura, Tarapoto, Peru (**keynote speaker, two full presentations and round table discussions**).
- 2022 The inaugural International Symposium on the Native Stingless Bee, Lima, Peru (**keynote speaker**).
- 2022 Bee Biogeography and Systematics Talk (BeeBST), Centre for Bee Ecology, Evolution and Conservation and the Packer Lab at York University, Canada (**keynote speaker via zoom, watch**).
- 2022 Bee Workshop 2022, Aarhus University, Denmark (**speaker via teams**).
- 2021 XIV Congreso Internacional de Manejo de Fauna Silvestre de la Amazonía y Latinoamérica (XIV Cimfauna), Lima, Peru (**speaker via zoom**).
- 2022 Assessing competition between domesticated bees and wild pollinators, Aarhus University, Denmark (**speaker via zoom**).
- 2021 I Congreso De Gastronomía Innovación Sostenible En El Ecosistema Gastronómico, Universidad San Ignacio de Loyola, Peru (**speaker via zoom**).
- 2021 Línea de base de la diversidad de la calabaza y el zapallo peruano con fines de bioseguridad. Ministerio del Ambiente, Peru (**speaker via zoom**).
- 2020 [Bees, Bats & Bugs] Ahuyamas, lulos y granadillas: Pollinización y retos para Colombia. University of Kansas, USA (**speaker via zoom**).
- 2020 *Hur minimera vi risken för konkurrens mellan honungsbin och vilda pollinatörer?* Jordbruksverket, Stockholm, Sweden (**speaker via Skype**).
- 2020 *Webinars en Biodiversidad y Biología*. Sociedad Latinoamericana de Investigación en Abejas (SOLATINA). (**speaker via zoom**).
- 2020 *Polinizadores, Polinización y Producción de Alimentos*. IIAP, Iquitos, Peru (**keynote speaker via google meet, watch**).
- 2020 *Naturmødet*. Thisted, Denmark (online due to COVID-19).
- 2019 *Naturgenopretning i et globalt-lokalt perspektiv*. Aarhus, Denmark
- 2019 *InfraNatur - Natur i byen*. Miljøstyrelsen, Horsens, Denmark.
- 2018 *Workshop med UngEnergi*. FO-Byen, Aarhus, Denmark (**invited speaker**).
- 2018 *Plantekongres*. SEGES, Denmark (**invited speaker**).
- 2017 *Pollinator Symposium*. Landbrug & Fødevarer, Denmark (**invited speaker**).
- 2017 *I Curso Internacional: La Meliponicultura en la Amazonia Continental* (UNAP-IIAP). Iquitos, Peru (**keynote speaker via Skype**).
- 2017 *'I Lavrids Jørgensens fodspor'* bee workshop (Aarhus University). Nysted, Denmark (**organizer**).
- 2012 *Tundra Change – The Ecological Dimension* (Aarhus University). Aarhus, Denmark.
- 2012 *XI Encuentro Científico Internacional de invierno*. Lima, Peru (**plenary session speaker, watch**).
- 2011 *25th Meeting of the Scandinavian Association of Pollination Ecology*. Vingstedcenteret, Denmark (**co-organizer, presentation of talk**).
- 2011 *Ecological Network Workshop*. Aarhus University/Sandbjerg, Denmark (**co-organizer**).
- 2011 *Ecological Network Workshop*. USP, São Paulo, Brazil (**co-organizer, presentation of talk**).
- 2011 *Biodiversitetssymposiet* (Aarhus University). Aarhus, Denmark
- 2010 *Hymenoptera Anatomy Ontology Meeting*. Raleigh, North Carolina, USA (**invited**).
- 2010 *Nairobi Pollinator Proposals Meeting* (NSF). ICIPE, Nairobi, Kenya (**invited**).
- 2008 *IV Encuentro Colombiano Sobre Abejas Silvestres*. Bogotá, Colombia (**keynote speaker**).
- 2007 *The 55<sup>th</sup> Meeting of the Entomological Society of America*. San Diego, CA, USA (presentation of talk).
- 2006 *XV International Union for the Study of Social Insects Congress*. Washington, D.C., USA (**invited talk** for Symposium “Phylogeny and Evolution of Bees: A Tribute to Charles Michener”).

- 2005 *The 53<sup>rd</sup> Meeting of the Entomological Society of America*. Ft. Lauderdale, FL, USA (presentation of poster).
- 2005 *Bayesian and Likelihood Inference of Phylogeny: Organisms to Genomes*, University of Illinois, IL, USA.
- 2003 *The 51<sup>st</sup> Meeting of the Entomological Society of America*. Cincinnati, OH, USA (presentation of talk).
- 2002 *XLIV Convención Nacional de Entomología*. Lima, Peru.
- 2002 *XIV Congreso Nacional de Biología*. Tarapoto, Peru (presentation of talk).
- 2000 *XLII Convención Nacional de Entomología*. Tarapoto, Peru (presentation of poster).
- 2000 *Seminario Internacional "Conservación y Biodiversidad: Reto para el Nuevo Milenio"*. Lima, Peru.
- 1999 *8th Meeting on Nordic Botanical Research in the Tropics*. Turku, Finland (presentation of talk).
- 1998 *12th Meeting of the Scandinavian Association of Pollination Ecology*. Sandbjerg, Denmark.
- 1998 *Biodiversity and Development (cenTER and RUF-DANIDA)*. Copenhagen, Denmark.
- 1998 *VII Congreso Nacional de Botánica*. Cajamarca, Peru.
- 1997 *11th Meeting of the Scandinavian Association of Pollination Ecology*. Tjärnö, Sweden (presentation of talk).
- 1997 *7th Meeting on Nordic Botanical Research in the Tropics*. Aarhus, Denmark.



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