

# SEBASTIAN A. HATT

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## EDUCATION

- PhD** in Plant Sciences **2021-2025**  
*Royal Botanic Gardens, Kew / University of Manchester*
- MSc** in Plant and Fungal Taxonomy, Diversity and Conservation **2020-2021**  
*Royal Botanic Gardens, Kew / Queen Mary University (1st Class - Kew Guild Prize)*
- BSc** in Biological Sciences **2017-2020**  
*University of Oxford (1st Class)*

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## RESEARCH EXPERIENCE

- PhD Thesis Research** **2021-2025**  
*Royal Botanic Gardens, Kew & University of Manchester*  
Supervisors: Dr Olwen Grace, Dr Chris Thorogood & Prof. Duncan Cameron
- Evolutionary history and ecology of the holoparasitic plant family Hydnoraceae
  - Encompassing taxonomy, phylogenetics, comparative anatomy and genomics
  - 5-week fieldwork in June 2022 across Namibia and South Africa collecting material, making observations and visiting collections in local herbaria
- MSc Dissertation Research** **2020-2021**  
*Royal Botanic Gardens, Kew*  
Supervisor: Dr Olwen Grace
- 56-page taxonomic monograph of the rare parasitic plant *Hydnora* (Hydnoraceae)
  - Herbarium-based study encompassing comparative morphology, biogeography, ethnobotany and systematics
  - Resulted in 1st Class Dissertation that won 1st Prize in cohort
- Research Assistant** **2020-2023**  
*Royal Botanic Gardens, Kew*  
Supervisor: Dr Eve Lucas
- Comparative analysis of fruit morphology and ecological traits of *Syzygium* subg. *Perikion* (Myrtaceae)
  - Description of a new subgenus of *Syzygium*
- Research Assistant** **2020-2022**  
*Royal Botanic Gardens, Kew*  
Supervisor: Dr Martin Cheek
- Description and distribution mapping of a new species of *Vepris* (Rutaceae) to Cameroon
  - Description and distribution mapping of two new species of *Coleus* (Lamiaceae) to Guinea
- BSc Dissertation Research** **2019-2020**  
*University of Oxford*  
Supervisor: Dr Chris Thorogood
- Comparative analysis of pitcher and peristome morphology and ecology in *Nepenthes* (Nepenthaceae)
  - Resulted in 1st Class Dissertation
- Herbarium Assistant** **2018-2020**  
*University of Oxford Herbarium*  
Supervisor: Prof. Stephen Harris
- Mounting, sorting, processing and digitising plant specimens

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## PUBLICATIONS

**Hatt SA, Low YW, Middleton D, Burslem D, Lucas E, Biffin E, Maurin O.** 2023. A morphological analysis of *Syzygium*, with a focus on fibre bundles and description of a new subgenus. Accepted by *Botanical Journal of the Linnean Society* boac065.

**Hatt SA, Thorogood CJ, Bolin JF, Musselman LJ, Cameron DD, Grace OM.** due 2023. A taxonomic revision of the genus *Hydnora* (Hydnoraceae). Accepted by *Kew Bulletin* (Oct 2022).

**Hatt SA, Cameron D, Grace OM, Rocamundi N, Cocucci AA, Martel C, Thorogood CJ.** 2023. *Prosopanche* : A remarkable genus of parasitic plants. *Plants People Planet* 5(2): 163–168.

**Cheek M, Hatt SA, Onana JM.** 2022. *Vepris onanae* (Rutaceae), a new Critically Endangered cloud-forest tree species, and the endemic plant species of Bali Ngemba Forest Reserve, Bamenda Highlands Cameroon. *Kew Bulletin* 77: 435-449.

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## GRANTS AWARDED

*Mohamed bin Zayed Species Conservation Fund* May 2023  
**\$7,500** for fieldwork conservation and research of *Lithops gracilidelineata* in Namibia

*British Cactus and Succulent Society Conservation Grant* Apr 2023  
**£2,000** for fieldwork conservation and research of *Lithops gracilidelineata* in Namibia

*International Organisation of Succulent Research Fund* Apr 2023  
**€2,000** for fieldwork conservation and research of *Lithops gracilidelineata* in Namibia

*Kew Emily Holmes Scholarship* Apr 2023  
**£2,330** for fieldwork study of *Euphorbia* and *Hydnora* in Southern Africa

*Kew Guild Award* Apr 2023  
**£500** for fieldwork study of *Euphorbia* and *Hydnora* in Southern Africa

*British Cactus and Succulent Society Research Grant* Feb 2023  
**£2,000** for fieldwork study of *Euphorbia* and *Hydnora* in Southern Africa

*Oleg Polunin Memorial Fund* Jan 2023  
**£500** for fieldwork study of *Lathraea rhodopea* in Northern Greece

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## AWARDS

**Young Systematists' Forum First Prize** for Best Presentation Nov 2022

**Kew Guild Prize** for Best MSc Dissertation in cohort Oct 2021

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## CONFERENCE ATTENDANCE

**Avoiding Plant Blindness in Conservation & 30x30 commitments** Feb 2023  
Royal Botanic Gardens, Kew

**Young Systematists' Forum** Nov 2022  
Online

**AETFAT [African Taxonomy] 22nd Congress** June 2022  
Livingstone, Zambia

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## COURSE ATTENDANCE

**NERC Molecular Phylogenetics Course** Mar 2023  
Natural History Museum, London

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**ADDITIONAL RELEVANT SKILLS**

- Experienced in R, Python, UNIX,
- Botanical illustration (Line drawing, watercolour & oil paint)
- Plant identification (in the field and from specimens)

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**ACADEMIC INTERESTS**

Plant systematics, taxonomy, phylogenetics, evolutionary biology, ecology, biogeography.