**Emily Hughes MSc**

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**PROFILE**

I am a recent MSc graduate with a distinction in MSc Global Wildlife Health and Conservation from the University of Bristol and have previously completed an undergraduate degree in BSc International Wildlife Biology from the University of South Wales. I am currently completing a PGCE in Secondary Education with the aim of taking the skills and knowledge learnt and applying this to wildlife and conservation education. I am seeking to further expand upon my research experience and to make valuable contributions to conservation efforts. I am an experienced communicator, demonstrated through my current teacher training and previous voluntary roles in non-profit organisations.

I have a strong interest in biology and ecology and as such regularly read publications surrounding this area. I have experience carrying out numerous environmental surveys and have a strong background in animal behaviour within UK zoos. I am continuously striving to improve my knowledge and skill set within ecology and conservation.

**EDUCATION**

**The Solent SCITT/University of Portsmouth Sept 2019 – Present**

*PGCE with QTS in Secondary Science*

* Teaching of a range of ages from 11 – 16, across a variety of topics and different learning styles. This has aided my flexibility and ability to think on my feet when unexpected problems arise.
* Development of a wide range of scientific knowledge across biology, chemistry and physics.
* Reflection on effectiveness of teaching and how to quickly improve for forthcoming lessons.
* Strong organisation skills as demonstrated through my though lesson planning, completed at a minimum of 48 hours in advance of delivery, alongside completion of PGCE assignments and further reading.

**University of Bristol 2016 – 2017**

*MSc Global Wildlife Health and Conservations (Distinction)*

* Knowledge gained in a range of topics including Wildlife Care and Rehabilitation, Wildlife Conservation, Wildlife Diseases and Integrated Health, Research Skills, Biology of Behaviour, Welfare and Behaviour, and Welfare, Ethics and Law for Wildlife Professionals.
* Practical experience in Phase 1 habitat surveying, zoo keeper training days and laboratory work.
* Master’s project titled ‘Assessing the Potential of Qualitative Behavioural Assessment (QBA) as a Welfare Indicator in Black Rhinoceros (*Diceros bicornis*) Through Comparison with Quantitative Behaviour and Faecal Cortisol Concentrations.’ Project included an independent literature review and data collection to allow for comparisons between ethogram data, QBA and potential correlations with faecal cortisol concentrations.

**University of South Wales** **2013 – 2016**

*BSc (Hons) International Wildlife Biology (First Class with Honours)*

* Knowledge obtained in a range of topics including ecology, genetics, wildlife assessment and taxonomy.
* Completion of two international field excursions to South Africa and Borneo resulting in the completion of key survey techniques including bird handling, radio tracking and interpretation of tracks and signs.
* Final year project titled ‘Social Interactions in African Rhino: A comparison of *Ceratotherium simum simum* and *Diceros bicornis michaeli.*’ Independent data collection was completed at two UK zoos.

**Bay House School and Sixth Form, Gosport 2011 – 2013**

* A level’s in Biology, Chemistry and Mathematics. AS level in Physics.

**Brookfield Community School, Fareham 2006 – 2011**

* 12 GCSE’s A\*- C, including English, Mathematics and Science
* Attained a *Pass* in OCR National for ICT (Level 2)

**SKILLS**

* Experience in Phase 1 habitat surveying and understanding of key legislation in the UK including the Habitats Directive and the Wildlife and Countryside Act.
* Experience carrying out behavioural observations.
* Excellent organisational skills essential to accomplish high quality work under time constraints.
* Proficient in all areas of Microsoft Office, SPSS, Minitab and PRIMER Statistical Software.
* Experience in GIS software including ArcGIS.
* Ability to work flexibly.
* Full, clean driving licence.

**EXPERIENCE**

**Cotswold Wildlife Park and Gardens, Burford June 2018**

Tasks included preparing diets, cleaning enclosures both independently and with keepers and interacting directly with members of the public visiting the park**.**

**Companion Care Veterinary Practice, Park Gate April 2018**

**Community Associations, Eastleigh** **September 2009 – 2015**

**TRAINING**

**Ecological Training Course, Operation New World, Corsica May 2018**

This course encompassed intensive training in Landscape Character Assessments, Phase 1 habitat surveys, invertebrate surveys, reptile surveys, river corridor surveys and Environmental Impact Assessments. It also enhanced my presentation and teamwork skills. Discussions included; EU & UK policy, protected species, international research and studies, and professional photography.

**EMPLOYMENT**

**Argos, Titchfield Common November 2018 – Present**

**Oak Processionary Moth Surveyor, Acres Wild Woodlands, Chippenham June – September 2018**

I have completed work as a summer surveyor sub-contracted out by the Forestry Commission to track the prevalence and spread of OPM in and around London. I was responsible for meticulously surveying trees for OPM nests, whilst remaining aware of the health and safety implications that the moths posed. Furthermore, I interreacted directly with members of the public and as such had to provide information in a welcoming and friendly manner.

**Beagles to Bunnies, Fareham**  **February 2015 – July 2017**

**Student Ambassador, University of South Wales, Treforest September 2014 – May 2016**

**Houghton’s of Hampshire, Fareham January 2013 – Present**

**INTERESTS**

Teaching myself to play the saxophone, reading, walking my dogs, socialising with friends and scuba diving. I am currently completing online courses to improve my skills in R.

**REFERENCES**

Dr Todd Lewis - 4 Worgret Road, Dorset, BH20 4PJ; Tel. 07512 136624; Email. ecolewis@gmail.com.

Dr P. Roy Wiles - Holmlea, Aberthin, CF717HB; Tel. 07717 297969; Email. prwiles@aol.com