



**The University of Edinburgh  
School of Geosciences**

**Comparison of top-down and bottom-up approaches  
on Specific Leaf Area patterns,  
at global, latitudinal and biome spatial scales.**

By

**ANNA CHIRUMBOLO**

in partial fulfilment of the requirement  
for the degree of BSc with Honours  
in Ecological and Environmental Sciences

May 2020

## **Abstract**

some abstract text

# Contents

<b>Acknowledgements</b>	<b>4</b>
<b>Introduction</b>	<b>5</b>
subintro . . . . .	5
other subintro . . . . .	5
<b>Methods</b>	<b>6</b>
Bloom <i>et al.</i> and Butler <i>et al.</i> datasets . . . . .	6
manipulation, standardisation . . . . .	6
observation . . . . .	6
should i put the code here? . . . . .	6
main packages used in R . . . . .	6
<b>Results</b>	<b>7</b>
<b>Discussion</b>	<b>8</b>
<b>Conclusion</b>	<b>9</b>
<b>Bibliography</b>	<b>10</b>
<b>Appendices</b>	<b>11</b>
Appendix A . . . . .	11
Appendix B . . . . .	11
Appendix C . . . . .	11

## Acknowledgements

bla bla

# Introduction

subintro

other subintro

# Methods

## Bloom *et al.* and Butler *et al.* datasets

I retrieved raw mean and standard deviation estimates of Leaf Carbon Mass per Area ( $\text{gC}/\text{m}^2$ ) and Specific Leaf Area ( $\text{m}^2/\text{kg}$ ), from Bloom *et al.* (2015) and Butler *et al.* (2017). Both data are at a spatial resolution of  $1^\circ \times 1^\circ$  and

manipulation, standardisation

observation

should i put the code here?

main packages used in R

## Results

## Discussion



## Conclusion

## Bibliography

## Appendices

Appendix A

Appendix B

Appendix C

etc. . .