

**Seasonal effect on semen quality of Gorno Altai and  
South African indigenous goats.**

**by**

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## DECLARATION

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Mbulaheni Hector Dombo

Date

Pretoria

## DEDICATION TO MY FAMILY

- To my mother, Vho-Puledi Dombo for the love and excellent guidance in my life. You have been a never-ending source of inspiration and a great mother to me. God bless you.
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## LIST OF ABBREVIATIONS

G.....	Gorno Altai
R.....	Rural /Indigenous goat
N-living.....	Number of living spermatozoa
N-dead.....	Number of dead spermatozoa
TLS.....	Tailless spermatozoa
CT.....	Coiled tail spermatozoa
SC.....	Scrotal circumference
BN.....	Broken at neck spermatozoa
BM.....	Broken at mid-piece spermatozoa
DF.....	Degrees of freedom
SS.....	Sum of squares
MS.....	Mean square
F value	
PR> F.....	Probability of F
R-square	
CV.....	Coefficient of variation

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