

CURRICULUM VITAE

of

Hendrik Petrus Pretorius

PERSONAL DETAILS

Surname: Pretorius

Other names: Hendrik Petrus (Hendri)

Date of Birth: 9 June 1984

ID Number: 849609 5095 08 0

Student Number: 2003079718

Marital Status: Married.

Family Particulars: Wife: Trizelle Pretorius.
Children; Daughter: Lizeldri Pretorius (2.5 years)

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Languages: Afrikaans (Speak, understand and write: Excellent)
English (Speak, understand and write: Excellent)
Sesotho (Basic communication)

Nationality: South African

Drivers Licence: Yes. Code 08. Light vehicle licence

Religion: Christian

EDUCATION

January 2010 – Present: Currently busy with Philosophiae Doctor (Ph.D.) in Botany (Physiology and Biochemistry) at the University of the Free State. This project regards the involvement of lipids, especially oxylipins in plant defense reactions. It is done in collaboration with University of Münster, Germany. The promoters are Dr. M. Cawood and Prof. A.J. van der Westhuizen (UFS) and Prof. B. Moerschbacher (University of Münster) was appointed as co-promoter (external) for the project.

January 2010: Degree in Magister Scientiae (M.Sc) in Botany (Physiology). Thesis submitted with title: “The ability of a novel compound to enhance the effect of urea on nitrogen deficient tomatoes”. This project was done in

collaboration with a private company, ELEMENTOL. Supervisor was Dr. GP Potgieter. An article from this thesis is due end of 2012.

November 2006: Degree in Baccalaureus Scientiae Honours in Botany (Physiology) with distinction. (Best Botany Honours student, 2006). This project was done in collaboration with a private company, ELEMENTOL. Study leader was Dr. GP Potgieter. Modules done during Honours degree was PLK614 (Ecology), PLK624 (Plant Physiology I), PLK644(Plant physiology II). My literature review dealt with the adaptability of plants in the Savanna biome on physiological, physical etc ability to survive veld fires.

November 2006: Degree in Baccalaureus Scientiae Endorsement: Botany. (Best 3rd year student in Botany, 2005). Major subjects included Botany, Microbiology and Entomology. Additional subjects included computer programming (RIS114) and plant pathology (PPG214).

December 2002: Matriculated from Fichardt Park High School (Economics was completed at Jim Fouchè High School).

Subjects: Afrikaans (1st language) (HG)
English (2nd language) (HG)
Physical Science (HG)
Biology (HG)
Mathematics (SG)

Computer Studies	(SG)
Economics	(HG)

OTHER QUALIFICATIONS

Computer Literate: Basic Programming (Program and web page design)
Microsoft Office (Excel, Word, PowerPoint).
Good understanding of GroupWise, Novell and Oracle (PeopleSoft) programmes.
Good understanding of computer hardware and PC constructing as well as other electronic gadgets.

GC/MS: Gas chromatography / Mass spectrophotometry. I have a good understanding of GC/MS and I am fairly qualified to operate such an apparatus. Proof of attendance of GC/MS workshop at the centre for Central Analytical Facilities (CAF) at Stellenbosch University (2012).

First Aid Course: Proof of attended in a first aid course in August 2012. I am qualified with basic first aid techniques and is acquainted with the procedures involved when confronted with a situation.

WORK EXPERIENCE

August 2007 – Present

Officer: Professional Services at the Department of Plant Sciences (Botany), University of the Free State.

Duties include:

- Lecturing of the module VBN108 at Vista campus. Duties include lecture preparation, compiling of test and examination papers, marking of tests organization and general admin of the module.
- Demonstrator in all pre- and post-graduate modules regarding physiology and biochemistry. Modules concerned are BLG114, BLG124, BLG144, PLK262, PLK224, PLK324, PLK344, PLK624, PLK644 and PWS614.
- Assistance in lectures of both pre- and post graduate biochemistry / physiology modules as well as presenter of numerous practical classes in modules BLG114, BLG124, BLG144, PLK262, PLK324 and PLK344.
- Input, record keeping and statistics of all module and examination marks of all pre- and Post graduate (honours) modules presented in the Department of plant sciences, division of botany.
- Management and record keeping of all test and examination scripts, moderator reports and general audit of the department of Plant Sciences.
- Design and maintenance of the departmental web page.
- Record keeping and tracking of all student information.
- Supervisor of C3 personnel within Botany
- Asset officer of the Department of Plant Sciences – Responsible for all assets in the department (till June 2013)
- Management of social activities (Part of the departments social club)
- Treasurer of tea club.
- Taking of minutes at meetings when necessary.

- Involved in research on crop science (nutrients, hydroponics, resistance to diseases etc.). During my current research, I am working on wheat and lipid like products involved in plant resistance to diseases. This work is being done in collaboration with the University of Münster, Germany and included a 3 month visit to the University of Münster.
- In charge of the departments GC/MS apparatus freeze dryers and various other apparatus.

February 2007 – August 2007

Demonstrator and lab assistant: Greenhouse management as well as maintenance duties in respect of the water distiller apparatus and at the Department of Plant Sciences division of Botany, UFS. I was appointed as a Demonstrator for post graduate practical courses as well as a demonstrator during 1st, 2nd and 3rd year student practical sessions at the Department of Plant Sciences (Botany), University of the Free State.

February 2006 – November 2006

Demonstrator and lab assistant: Maintenance duties in respect of Glass house management as well as demonstrator during 1st, 2nd and 3rd year student practical sessions at the Department of Plant Sciences (Botany), University of the Free State.

June 2004 – November 2005

Demonstrator: Demonstrator during 1st year student practical sessions (BLG124) at the Department of Plant Sciences (Botany), University of the Free State.

AWARDS, BURSARIES, INVITATIONS AND VISITS

2012

Visit: University of Stellenbosch – Centre for Central Analytical Facility (CAF). Attendance of GC/MS workshop

Bursary: Applied for bursary from UVPERSU (Trade union). Application in progress.

Bursary: Council bursary awarded – University of the Free State.

2011

Bursary: Council bursary awarded – University of the Free State.

2010

Award: Merit bursary from UVPERSU for outstanding academic achievement.

Bursary: Council bursary awarded – University of the Free State

2009

Visits: Visited The University of Münster, Germany (Wilhelms-Universität Münster Institut für Biochemie und Biotechnologie der Pflanzen) where I worked on enzymes related to resistance to diseases in wheat cultivars (November 2009 – January 2010).

Bursary: Council bursary awarded – University of the Free State

Invitations: Invited by The University of Johannesburg (RAU) to present my Masters thesis (M.Sc) with title: “The ability of a novel compound to enhance the effect of urea on nitrogen deficient tomatoes”, at the annual post graduate seminar day.

2008

Bursary: Council bursary awarded – University of the Free State

2007

Award: South African Botanical Society – Book prize for best honours student in botany for 2006.

Bursary: Council bursary awarded – University of the Free State

2006

Award: Merck medal and certificate: Excellent academic achievement. Awarded for the best 3rd year student in botany continuing with a post graduate degree (2005).

Bursary: Bursary awarded from Elementol, for research on a novel compound, “Pheroids”.

Visits: Pot Berg Nature reserve as assistant demonstrator for final year students in Botany.

Membership and involvement in Scientific Societies

2013

Member of The South African Association of Botanists

INTERESTS

Sports: Obtained Provincial colours in road cycling for 1998 - 2003. Participated on both provincial- and national levels. I enjoy jogging, mountain biking and to work out in the gym, regularly.

Hobbies: Collecting, selling and cultivation of exotic succulent plants on large scale as well as cultivation of Bonsai trees. I sell succulent both to the public (locally and internationally) as well as to nurseries. I am very enthusiastic about the ecology, distribution, survival tactics and beauty of these plants. Other hobbies include photography and computers.

Outside of the University:

As part of my hobby, I am a cultivator of various succulent plants which I sell to various nurseries, over the internet (locally and internationally) as well as on local markets.

I also partake in organization of various activities for the South African Botanical Gardens (Free State Branch) and give public presentations on various aspects of plants.

REFERENCES

Prof. J.U. Grobbelaar

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University of the Free State
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Prof A.J. van der Westhuizen

Professor
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University of the Free State
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Dr. G.P. Potgieter

Senior Lecturer
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