

YOUTH  
**Hard work just the remedy**

**EARL HAUPT**  
@EarlHaupt

**H**ard work and discipline have stood Retreat's Janine Heuvel in good stead and it is with these virtues that she hopes to forward her research in biotechnology.

She completed her BSc in Biotechnology last year after matriculating from South Peninsula High School in Diep River in 2013 and is currently busy with her honours degree at the University of the Western Cape.

"My first thought in high school was to do forensics, because you can do it through biotech, but then as I reached matric I decided to change to do microbiology, so this has been my interest since then," she says.

Heuvel completed her studies with the help of a bursary she won through Sun International/GrandWest.

She says it helped ease the financial burden of her studies while giving her and her family peace of mind in the knowledge that her passage to obtaining her degree had one less hurdle to overcome.

"This bursary was more in line with my field, so because I researched the opportunities that GrandWest had, which was food biotech and they support science, I chose them instead of a general bursary," she adds.

While the bursary may have helped, Heuvel maintains the biggest challenge in obtaining a sci-

ence degree is the amount of work that has to be done and that it comes down to a student's application and discipline.

"You need to do your work on your own. You cannot rely on a lecturer or going to class just to know everything.

"That was a challenge and because I stayed so far, I had to get up early and when I got home it was late, so there was little time for me to do further research and sleep. I got so little [sleep], but I still managed to function.

"I think because I was motivated and this is something that I really wanted to do, it always kept me going and pushed me to go further. Now that I am doing my honours, I might be going into master's in the same department and the same line of research, going more in-depth with it," says a passionate Heuvel.

But first and foremost, prospective students should always follow what they are passionate about.

"If you are doing something you don't like, you are just going to go through the motions. You have to have discipline.

"You cannot have someone running after you to do work.

"Management of time is important and if someone tries to convince you to do something they wanted to do, don't do it, because in the end it is not going to benefit either one of you.

"You might end up quitting and then that is money wasted, espe-

cially with varsity it is a lot of money," explains Heuvel.

She also has a friendly warning for those wanting to enter her field of research.

"The workload is enormous, but if you understand it and this is your passion, you will find that it is a breeze," she says.

Heuvel says her free time is at a premium and because of that she values spending that time with her family, while she also likes to bake.

She is currently conducting phage therapy research to find viruses which can kill bacteria, particularly in bees.

"I am looking at a treatment which will be used for bees, because they are currently being infected by a pathogenic bacterium which is killing them in the larval stage, before they become an actual bee.

"These bacteria have actually wiped out 40% of the region's population, because we only have one species in the Western Cape.

"We are looking to find a treatment for that, because they pollinate about a third of our crops, which has a major impact on events," says Heuvel.

Janine Heuvel is conducting research into phage therapy at UWC's Institute for Microbial Biotechnology and Metagenomics lab while completing her honours degree in Biotechnology.  
PHOTO: EARL HAUPT



**Attorneys set to assist**

The Department of Justice and Constitutional Development has assigned two attorneys to the Athlone Advice Office to assist the community with free access to

justice on Wednesday 18 July from 09:00 to 15:00. For more information, call the Athlone District Advice Office on 021 836 9421.





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**ATLAS TOWER (PTY) LTD**

**ENVIROAFRICA CC**

**NEMA PUBLIC PARTICIPATION PROCESS**

**PROPOSED CONSTRUCTION OF A 25M HIGH TELECOMMUNICATIONS MAST ON ERF 43547, 8TH AVENUE, KROMBOOM PARKWAY, ATHLONE, WESTERN CAPE**

Notice is hereby given of the intention to submit an application, and the public participation, process in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended ("NEMA"), Environmental Impact Assessment Regulations 2014. The proposed development of a 25m high telecommunications mast on Erf 43547, 8th Avenue, Kromboom Parkway, Athlone, Western Cape, includes activities listed in terms of the NEMA EIA Regulations, 2014. EnviroAfrica cc has been appointed by Atlas Tower (Pty) Ltd, to undertake the NEMA EIA Application for Environmental Authorisation process.

**Application for environmental authorization to undertake the following activities:**  
Government Notice R324 (Listing Notice 3): Activity No. 3

**Project Description & Location:**  
A telecommunications mast, including associated infrastructure, is proposed on Erf 43547, 8th Avenue, Kromboom Parkway, Athlone, Western Cape. The proposed development is to clear an area of 97.5m<sup>2</sup> to erect a 25m high monopole tree mast with antennas situated on the top of the proposed structure. No new roads will be constructed as an existing access road will be utilised to gain access to the proposed site. Access to the site will be gained via 8th Avenue. The proposed site is zoned Open Space 2 and the site co-ordinates are **33° 58' 10.90" S, 18° 29' 43.56" E**.

**Public Participation:**  
Interested and Affected Parties (I&APs) are hereby notified of the application and invited to register (in writing) and/or provide initial comments and identify any issues, concerns or opportunities relating to this project to the contact details provided below, **on or before 23 July 2018**. In order to register or submit comment, I&APs should refer to the project name, and provide their name, address & contact details (*indicating your preferred method of notification*) and an indication of any direct business, financial, personal, or other interest which they have in the application. Please note that future correspondence will only be sent to registered Interested and Affected Parties.

Please note that only Registered I&APs:

- will be notified of the availability of reports and other written submissions made (or to be made) to the Department by the applicant, and be entitled to comment on these reports and submissions;
- will be notified of the outcome of the application, the reasons for the decision, and that an appeal may be lodged against a decision; and
- will be notified of the applicant's intention to appeal the decision of the competent authority, together with an indication of where and for what period the appeal submission will be available for inspection.

You are also requested to pass this information to any person you feel should be notified.  
**Consultant:** EnviroAfrica CC, P.O. Box 5367, Helderberg, 7135 / Fax: 086 512 0154 / Tel: 021 8511616 / E-mail: admin@enviroafrica.co.za