



## DURBAN Graduands

### Degree of Doctor of Philosophy in BIOTECHNOLOGY

ARUMUGAM Nanthakumar  
(Full Research)

#### Title of Thesis

Production of oligosaccharides from lignocellulosic biomass

#### Summary

Exploration of lignocellulosic biomass for the production of value-added compounds is gaining momentum. Biomass such as peanut shells, bambara, cowpea and sorghum are some of the indigenous crops of Southern Africa that are yet to be explored for value addition. Therefore, this study was designed to characterize these underutilized agro-residues for the enzymatic production of prebiotic xylooligosaccharides (XOS) and their application. A two-step extraction of sodium chlorite-delignified biomass yielded pure xylan from peanut shells (15.5%), bambara (12.3%), cowpea (13.6%) and sorghum (32.2%). <sup>1</sup>H NMR spectroscopy together with monosaccharide analyses revealed that all the xylans were glucuronoxylan and shared similar functional groups as that of hardwood glucuronoxylan. Enzymatic hydrolysis of the xylans resulted in the maximum yield of XOS at optimized parameters of 1% substrate concentration and 10 U enzyme dosage. TLC analysis of the hydrolysates from *Thermomyces lanuginosus* SSBP GH11 (*TIGH11*) xylanase was compared against GH10 and GH30 xylanases regarding their modes of action. It was observed that the properties of XOS were distinct with different xylanases and GH11 xylanase was more efficient on all the xylans without the release of xylose. MALDI TOF MS characterization corroborated with the TLC results and showed signals for both neutral and acidic oligosaccharides. A series of computational approaches were also used to study the structure of GH10, GH11 and GH30 xylanases and their interactions with xylan. The *in silico* investigation suggested that *TIGH11* was more suitable for coupling with xylan over GH10 and GH30 xylanases. The prebiotic efficiency of XOS was evaluated as a functional food supplement in a novel amadumbe bambara spread and prebiotic yoghurt formulations. The physicochemical and sensory evaluation of both amadumbe-bambara spread and yoghurt confirmed that both products have improved traits with higher consumer acceptance.

The candidate has published two papers and one book chapter in peer reviewed scientific journals and has presented his research in two national and four international conferences.

**Supervisor:** Dr S K K Pillai  
**Co-Supervisor** Prof S Singh

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MOGANY Trisha  
(Full Research)

**Title of Thesis**

Extraction and purification of C-phycoyanin and genome analysis of an indigenous hypersaline cyanobacterium

**Summary**

An indigenous halophilic cyanobacterium capable of producing C-phycoyanin (C-PC), a blue pigment with the high biotechnological application was isolated from a hypersaline environment in Kwa-Zulu Natal, South Africa. The cyanobacterium was found to have several unique traits such as its ability to naturally produce a high amount of C-PC (45mg/g), grow at high salinity (120 g/L), fast growth rate, survive in varying nutrient and light conditions. In this study, a comprehensive polyphasic approach viz., cell morphology, pigment composition, and complete genome sequence analysis was employed to elucidate the taxonomic position of the isolate. Based on the genome analysis, the strain was identified as a novel species of the genus *Cyanothæ*, Cluster *Euhalothece*. The full genome sequencing has further allowed us to understand the key genes and proteins responsible for its unique properties such as its adaptation environmental conditions, C-PC synthesis, and stress acclimation. The protein structure and physiochemical properties of C-PC was further predicted based on the amino acid sequence using *in silico* analysis. Furthermore, a cost-effective extraction method for C-PC with high purity was also optimized. The extracted C-PC showed high antioxidant activity (IC<sub>50</sub> value of 0.540 ± 0.02 mg/mL using the DPPH assay) and was thermostable up to 45 °C at a wide pH range (5.0-8.0). A high yield (>400 mg/mL) of analytical grade C-PC was achieved, clearly showing its commercial potential for C-PC production. This research provided new knowledge significantly contributing to the field of biotechnology.

This study has resulted in three peer-reviewed publications and was presented at one national and one international conference.

**Supervisor:** Prof F Bux  
**Co-Supervisors:** Prof F M Swalaha  
Dr S Kumari

**Degree of Master of Applied Science in BIOTECHNOLOGY**

MAGAGULA Nompumelelo Lina  
(Full Research)

**Title of Dissertation**

Enhancing production of pharmaceutically valuable alkaloids in plant cells, tissues and extracts of *Catharanthus roseus*

**Supervisor:** Prof B Odhav  
**Co-Supervisor:** Dr V Mohanlall

MAZIBUKO Bodine  
(Full Research)

**Title of Dissertation**

Laccase-mediated biotransformation of phenolic compounds for the synthesis of new antioxidants

**Supervisor:** Prof T Kudanga

OKUOFU Somiame Itseme *CUM LAUDE*  
(Full Research)

**Title of Dissertation**

Valorisation of bambara and cowpea haulms for bioethanol production

**Supervisor:** Prof S K K Pillai  
**Co-Supervisor:** Prof S Singh

ROETS Yrielle  
(Full Research)

**Title of Dissertation**

Bioaugmentation with *Bacillus* spp. for bioremediation of synthetic wastewater using a fluidized-bed bioreactor

**Supervisor:** Prof F Bux  
**Co-Supervisors:** Dr R Lalloo  
Dr S Kumari

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## Degree of Master of Applied Science in CHEMISTRY

GNANA Gueh Charles  
(Full Research)

### Title of Dissertation

Comparison of lignin yield from sugarcane bagasse pellets using liquid hot water and ionic liquid pretreatment methods

**Supervisor:** Prof N Deenadayalu

\*HARILAL Calvin Carl CUM LAUDE  
(Full Research)

### Title of Dissertation

Development of electrochemical immunosensors for detection of Tau protein: Computational and Experimental studies

**Supervisor:** Prof K Bisetty  
**Co-Supervisor:** Dr S Kanchi

HLOMA Phathisanani  
(Full Research)

### Title of Dissertation

Development of an electrochemical immunosensor for the detection of steviol glycosides by experimental and computational methods

**Supervisor:** Prof K Bisetty  
**Co-Supervisors:** Dr S Kanchi  
Dr M I Sabela

JIYANE Sphumelele Nomnotho CUM LAUDE  
(Full Research)

### Title of Dissertation

Development of a third-generation electrochemical enzyme-based biosensor for a scalable detection of oxygen in power generation cells

**Supervisor:** Prof K Bisetty  
**Co-Supervisors:** Dr S Kanchi  
Dr M I Sabela

MAGUBANE Sibongile Elizabeth  
(Full Research)

### Title of Dissertation

Fabrication of a colorimetric paper-based microfluidic sensor for residual poly-dadmac detection in water treatment

**Supervisor:** Prof P S Mdluli  
**Co-Supervisor:** Dr M Mlambo

MLUNGUZA Nomchenge Yamkelani CUM LAUDE  
(Full Research)

### Title of Dissertation

Hollow fibre liquid phase microextraction of pharmaceuticals in water and *Eichhornia crassipes*

**Supervisor:** Dr L M Madikizela  
**Co-Supervisors:** Prof L Chimuka  
Dr P N Mahlambi

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RAMSARUP  
(Full Research)

Lee-Ann

CUM LAUDE

**Title of Dissertation**

An investigation of the voltammetric behaviour of antioxidants in flavonoids

**Supervisor:** Prof K Bisetty

**Co-Supervisor:** Dr S Kanchi

**Degree of Master of Applied Science in FOOD AND NUTRITION**

DLOMO  
(Full Research)

Kaite Nokuthula

**Title of Dissertation**

Food hygiene and safety practices of food handlers in tuck shops at secondary schools in Umlazi

**Supervisor:** Prof C E Napier

**Co-Supervisors:** Prof O A Ijabadeniyi

Ms S I Vermeer

**Degree of Master of Applied Science in FOOD SCIENCE AND TECHNOLOGY**

BUSU  
(Full Research)

Nyasha Miriam

CUM LAUDE

**Title of Dissertation**

Characterisation and application of bambara protein-polysaccharide complex coacervates in encapsulation of bioactive compounds

**Supervisor:** Prof E O Amonsou

JULA  
(Full Research)

Mellisa Nokulunga

**Title of Dissertation**

Quality and microbiological study of bambara groundnut fortified injera, a fermented flat bread

**Supervisor:** Prof O A Ijabadeniyi

\*NAIKER  
(Full Research)

Tremayne Sheldon

CUM LAUDE

**Title of Dissertation**

Effects of processing on the characteristics of flour and protein isolates produced from *Lablab purpureus*

**Supervisor:** Prof J J Mellem

**Co-Supervisors:** Prof E O Amonsou

Prof H Baijnath

PILLAY  
(Full Research)

Yovani

**Title of Dissertation**

Profiling and antibiotic resistance of lactic acid bacteria isolated from commercial *aMasi* samples

**Supervisor:** Prof O A Ijabadeniyi

**Co-Supervisor:** Prof F M Swalaha

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RAMKISSON Shanece CUM LAUDE  
(Full Research)

**Title of Dissertation**

Anticancer and antioxidant potential of *Amaranthus cruentus* protein and its hydrolysates

**Supervisor:** Prof J J Mellem

**Co-Supervisor:** Dr S Venter

**Advanced Diploma in NAUTICAL STUDIES**

MATHONSI	Nhlanzeko Sbusiso	NDIMANDE	Ntando Nqubeko
MAZIBUKO	Thuladu Queen	NTOMBELA	Amanda Pretty
NDEBELE	Bongokuhle Nkosiyethu	NXUMALO	Mxolisi Siphesihle

**Advanced Diploma in SHIPPING AND LOGISTICS**

GCABA	Siphumelele	NETSHILINDI	Mulanga
*GOVENDER	Celine Astal	NGCOBO	Nonjabulo Patricia
GUMEDE	Thembehle Hlengiwe	NKAMBULE	Philiswa Joy
KIKA	Nokubonga Unathi	RADEBE	Philangenkosi Mngqobi Michael
MANCIYA	Asiphe	ZONDI	Ayanda
NAIDOO	Nirasha	ZONDI	Sandiso Elton
NDLOVU	Lungisani	ZUMA	Mehluleli Thulasizwe

**Degree of Bachelor of Technology in BIOTECHNOLOGY**

BIYELA	Buyani Innocent	ODAYAR	Thavisha
GOVENDER	Salisha	PILLAY	Shanelle
LOGNATH	Natasha Kaitlin	RANJITH	Mckayla Divona
MNTUNGWA	Pearl Nobuhle	REDDY	Cassandra
MOODLEY	Revania	SIBIYA	Hlalanathi Philangezwi Luthando
MTHOMBENI	Rivonigo Lowranne	*SINGH	Karishma CUM LAUDE
NAIDOO	Auriel Odette	SINGH	Shashika
NAIDOO	Priyanka	SINGH	Yashna CUM LAUDE
NAIK	Kaveshni	VAWDA	Muhammad

**Degree of Bachelor of Technology in CHEMISTRY**

FYNN	Byron Adrian	NAIDOO	Deneshree
GOVENDER	Ashav	NAIDOO	Romano
GOVENDER	Pashni	NINELA	Aneswa Mandisa
KALLEE	Lucian	NJEBO	Bayanda CUM LAUDE
KHANYILE	Andile Thandeka	NXUMALO	Silindokuhle Nomathemba
*KHUZWAYO	Bongeka	PAULINUS	Emmanuel Ugochukwu
MAGWAZA	Mcebo Innocent	PILLAY	Radhika
MALUHWALO	Themhani	TIMAKWE	Bonga
MASIKANE	Sandile Bhekuyise	VUMA	Treasure Austin
MBULAWA	Siphe Trecy	XABA	Sabelo Collen
MNTAMBO	Bahle Luyanda Dave-Junior	ZULU	Nontuthuko Silindokuhle
MOODLEY	Kimona	ZWANE	Thabani Mbusiswa
MSOMI	Bonga Fortune Mondli		

**Degree of Bachelor of Technology in CLOTHING MANAGEMENT**

LORTAN	Mercia Genevieve	SAMUEL	Megan
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### Degree of Bachelor of Technology in CONSUMER SCIENCE: FOOD NUTRITION

BUTHELEZI	Nokwanda Charity	MTHETHWA	Nokuthula Rejoice	
DESAI	Ridwanah	MTHETHWA	S'Thabile S'Busisiwe	
FIHLA	Thandiwe Neo	MTOTOYI	Ntsika	
GUMEDE	Mahle	MTUZELA	Samukelisiwe Promise	
GUMEDE	Thabiso Njabulo Praisegod	MUTE	Sinesipo	
KHOMO	Fezile Brian	NGUBANE	Nolwazi Nokubonga Tricia	
LUTHULI	Siyabonga Zamokuhle	NKABINI	Sindiswa Penelop	
MADIKIZELA	Sinovuyo Tebogo	NKOSI	Nonjabulo	
MAGINGXA	Sinelizwi	NTSHINTSHI	Sinoxolo	
MAGUDULELA	Nokwanda Sharon	OGLE	Larece Raphaelia	
MAGWAZA	Zinhle Pretty	PADAYACHEE	Candin	
MAHLALELA	Nelisile	PERUMAL	Kamantha	
MALITI	Xolani Hendrick	SABELA	Masindi Portia	
MAVIMBELA	Sihle Precious Nonhlakanipho	SHANGE	Mandisa Beloved	
MGEGEBE	Malwande Nangamso	SHEM	Upendo Uwimana	
MHLONGO	Nonkululeko Zakithi	SHOZI	Thandeka Nontobeko	
MITI	Nontobeko Nosipho	*SINGH	Shivneta	CUM LAUDE
MNGUNI	Phumla Carol	SITYATA	Zethu	
MTHEMBU	Philile Surprise	SIZANI	Andiswa Theodora	
MTHETHWA	Londiwe			

### Degree of Bachelor of Technology in FOOD TECHNOLOGY

GOUNDEN	Seveshan	JHETAM	Taskeen	
GOVENDER	Austin Luke	MARIMUTHU	Chantal	
GOVENDER	Samintha	MOHAN	Naaznee	
GOVENDER	Theshini	NZAMA	Nkosingiphile Lucky	
HANIFF	Juhaira	RAMDATH	Shiara	
*HASSAN	Humeira	RAMSOOKMOHAN	Sonaal	CUM LAUDE
JADA	Samira	RUNGAN	Kimeshni	
JAICHAND	Viruska	THUMBRAIN	Dinelle	

### Degree of Bachelor of Technology in HORTICULTURE

LANGA	Nomalungelo Mbali	*NGCOBO	Philile Patience	CUM LAUDE
MAKHANYA	Sibusisiwe Noluthando	NGUBANE	Nontobeko Thobile	CUM LAUDE
MBEWANA	Smangele Augustine	NOBENGELA	Yedwa Dzum-Dzum	
MHLONGO	Sthembiso Wilson	SIBIYA	Sandile Bonginkosi	
MKHIZE	Nothando Pretty	ZONDI	Senele Siyabonga	
MKUNGO	Mfundo Freedom	ZULU	Bonginhlanhla Brian	
MTHEMBU	Bongumusa Cecil	ZULU	Phumzile Girlagain	
NGCIKWA	Nomcebo			

## Degree of Bachelor of Technology in MANAGEMENT Specialising in Sport

BARNABAS	Gareth Rodney Aldin	MAGUDULELA	Siyabonga Mthobisi
DEYI	Nomthandazo Nonhlanhla Happiness	MOLEFE	Tshepo Placid
DLAMINI	Nompumelelo	NGWANE	Lindokuhle
DLAMINI	Nontethelelo Thobeka	NTSELE	Stuthukile Amanda
HLATSHWAYO	Nomnden Ntandenhle	SELEPE	Londamazwokuphila
KHAMBULE	Phumelele Nqobile	STRATO	Sinesipho
KHUMALO	Ayanda	THUSINI	Sinethemba Happiness

## Diploma in ANALYTICAL CHEMISTRY

*BEMIAH	Caitlin Marissa	<i>CUM LAUDE</i>	MNCWABE	Nokwanda	
CHILIZA	Xolani Alfred		MNDAWENI	Xolisile Lerato	
DUMA	Sinazo Maudulate		MOODLEY	Sarah Lee	
GANAMFANA	Sphosihle		MTHEMBU	Siyabonga Abel	
GATYA	Lukhanyo		MYENDE	Zanele	
GULUBELA	Luntu		NAIK	Kami	<i>CUM LAUDE</i>
KHOZA	Saziso Lister		NGUBENI	Sibonakaliso Mazwi	
KRISHNA	Yoshan		PILLAY	Adel	
MAGWAZA	Mthabisi		RADEBE	Sinqobile Zibuyile	
MAJOZI	Ngcebo Nkanyiso		SEETHAL	Sariksha	
MAKHAYE	Owami Yedwa		SIBIYA	Ndumiso Praisegod	
MANYIKE	Slindile Precious		THUSI	Thandolwethu Valentine	
MGOZI	Ntombifuthi		ZONDI	Ziningi Kwazi	
MKHIZE	Ayanda		ZUMA	Buziwe	
MKHIZE	Ntethelelo Zinhle				

## Diploma in NAUTICAL STUDIES

BHENGU	Sibonelo Frank Braen		MTHEMBU	Phindile Zodwa	
BUTHELEZI	Siyanda Cyril		MTHEMBU	Trev or Sthembiso	
CUSHELA	Miniyakhe		MYENDE	Nomcebo Hlobisile	
DLAMINI	Smangaliso		MZIZI	Lungile Purity Thulisile	
DUBE	Lungelo Siyabonga Ian Jnr		NENE	Ntando Caiphus	
FRANCIS	Jared Benjamin		NGEMA	Sakhile Zomakahle	
HERRON	Tegan Kyle	<i>CUM LAUDE</i>	NGUBO	Mondli Charles	
MAKHATHINI	Fundiswa	<i>CUM LAUDE</i>	NXUMALO	Lungile Precious	
MARAI	Jamie Alyssa Chloe		NZAMA	Siphesihle	
MBATHA	Njabulo Siyanda Muntwethu		SHANGASE	Njabulo Quinton	
MBATHA	Nomkhosi Sibongakonke	<i>CUM LAUDE</i>	SHONGWE	Sphamandla Lwazi	
MDLULI	Nkongo Siphesihle		*SIMAMANE	Thabiso Lawrence	<i>CUM LAUDE</i>
MKHWANAZI	Sbongumusa Colin		TULI	Mondli Mduduzi	
MNCANZA	Thulani		XIMBA	Njabulo Samkelo	
MNGOMA	Samukelo Mbuso		ZULU	Nolwazi Prudence	
MNYANDU	Linda Bongeka		ZUNGU	Nozipho	
MOKWENA	Mongezi Patrick		ZWANE	Philangezwi Muhlumuntu	
MORGAN	Danne Kelly		ZWANE	Sibonelo David	

## Diploma in SHIPPING AND LOGISTICS

DHANESHARLALL	Jarren Lee		MOLOI	Minah Puleng
DLAMINI	Malibongwe Oscar		MPANZA	Skhumbuzo
GOVENDER	Esaivan		MSANI	Deon Mpumezo
GWALA	Kwanele Ayeza		MTHEMBU	Neokwanda Thabsile
GWELETA	Mary Shweshwe		NCUBE	Kholeka Berly
HLANGU	Siphiwe		NDLOVU	Sibonelo
KHAN	Mahomed Yaseen		NGCOBO	Mthokozisi Salva
KHAYIYANA	Lungi Luyanda		NYAWO	Ayanda Kholiwe
KHUMALO	Nozuko		NZAMA	Biza
KHUMALO	Zamantungwa		PARTHAB	Haren Archary
KUNENE	Buyisile		SHANGE	Nkosinomusa Alpha
MAHLANZE	Thubelihle Pius		SHANGE	Philile Aneliswa Uyanda
MATYANA	Unathi		SIBIYA	Sabathile Pretty
MGOBHOZI	Njabulo		XABA	Patience Dumazile
MHLONGO	Siphesihle Gift	CUM LAUDE	*XULU	Nomcebo
MNGOMEZULU	Sibonelo		ZUMA	Jabulani Nkonzo'Nhle Mkhanyiseli
MNIKATHI	Yamkela			

## Diploma in TEXTILE TECHNOLOGY

CELE	Bekezela Mthokozisi		MOSHOESHOE	Halekhethe
HLONGWANE	Ayanda Simamukele Precious		MSIYA	Thabani Msindazwe
HLONGWANE	Sphumelele		NDUKU	Simphiwe Jessica
KHUMALO	Lungelo Innocentia		NGCOBO	Njabulo
KHUZWAYO	Simphiwe		NGCOBO	Nkanyiso
MABIKA	Nkazimulo Phiwangesihle		NGCOBO	Sinenhlanhla Irene
MAHLABELA	Xola	CUM LAUDE	NGIDI	Phiwokuhle
MAJOLA	Praisegod Nqobani		NKOSI	Jabulile
MBATHA	Ayanda Ntokozo		SITHOLE	Celimpilo Melusi
MBATHA	Lindokuhle Mahazel		SITHOLE	Malibongwe Praiseworthy
MCHUNU	Phumlani Collen		SITHOLE	Nonjabulo
MLAMBO	Balungile Bavumile		*SITHOLE	Siphumelele
MNGUNI	Zibuyile		SITHOLE	Talente
MNISI	Bonisile Zinhle			

## National Diploma in ANALYTICAL CHEMISTRY

BUTHELEZI	Similo Layezile		NTULI	Peni Ntobeko
KRISHNA	Kerwyn		NXUMALO	Jurgen Secret Magic
MAVUSO	Fanelesibonge		TABARO	Akonkwa
MNGADI	Langelihle Mbheki			

## National Diploma in BIOTECHNOLOGY

BHENGU	Zamangcolosi Sibongiseni		MASIMONG	Olivia Mmathapelo
BRIJMOHAN	Nivedita		MATHEBULA	Sindle Precilia
DLAMINI	Anele Confidence		MHLONGO	Sihle Helen
GOVENDER	Hannah Melita		MKHIZE	Sisanda Thembelenkosini
GOVENDER	Karina		MNGONYAMA	Zokugcina Barbara
GOVENDER	Rayhaan	CUM LAUDE	MTHEMBU	Nombuso Patience Melba
HLOPHE	Nosipho		NAIDOO	Kesree
JAGANNATH	Kiren		NAIR	Kimeshan
JILI	Fuzelihle Mthunzi		NDELU	Siphephelo Siyamukela
KEENAN	Serene		NDLOVU	Lungani Andile
KHAN	Muhammed Mubashir		NGCOBO	Nompumelelo Zuziwe Perfect
KHANYE	Ayanda Gabriel		NGEMA	Nokubekezela Peacemaker
KHOSO	Nombuso Nomzamo		NKOSI	Sonto
LANGA	Lethukuthula Njabulo		NTSHALINTSHALI	Nkosinathi
LUBISI	Sebenzile Prudence		*PILLAY	Brynita
MALINGA	Thoko Winnie		POONSAMY	Thivendhran



RAMIAH  
RAMKISHWAR  
SHANGASE  
SHOYISA  
SIBANGO  
SILINDA

Laveenia Danielle  
Smeetha  
Asanda  
Fanelesibonge  
Lindokuhle  
Excellent Leornard

SISHI  
SITHOLE  
SUBROYEN  
VAN ROOYEN  
ZONDI  
ZUMA

Sandile Emmanuel  
Nondumiso Cheefully  
Sueyanka  
Nicolene  
Anele Godfrey  
Thabiso Sinakhokonke

### National Diploma in CLOTHING MANAGEMENT

BASSDEV  
BHENGU  
CHIYA  
DLAMINI  
DUTYWA  
DZANIBE  
FANI  
GUMEDE  
GUMEDE  
GUSHA  
HLELA  
KIRK  
MANQELE  
MANZI  
MASONDO

Shahil  
Pearl  
Samkelisiwe Siziphiwe Zamakhasi  
Nonjabulo Yoliswa  
Othembele  
Ntokozo Andrew  
Sipho  
Emmanuel  
Zethu Siphumelele  
Vuyo  
Thobeka  
Stacey Louise  
Nokwanda Patricia  
Nosipho  
Zothando Nokulunga

MAVUNDLA  
MJOLI  
MLABA  
MNGUNI  
MTHEMBU  
MTHIYANE  
NAKASA  
NDLOVU  
NGEMA  
NTSIMBI  
NZIMANDE  
PEDLAR  
RAMDIAL  
SHABALALA  
ZWANE

Nhlanhla Nkululeko  
Nobuhle Happiness  
Siyabonga  
Simulindele Renaissance  
Samkelo,Victor  
Siphamandla Innocent  
Sinalo  
Philisiwe  
Nothando Promise  
Zamile Sukoluhle  
Nomfundo Promise  
Brittany Bianca  
Kiara Cheyenne  
Sandile Austin  
Manqoba Erick

### National Diploma in CONSUMER SCIENCE: FOOD AND NUTRITION

CELE  
DELFAVA  
DEZI  
DLAMINI  
DUMAKUDE  
GASA  
GOGELA  
GOVENDER  
GOVENDER  
GULE  
HLONGWANE  
KHOZA  
KHUBONI  
KUBHEKA  
MADLALA  
MADURAY  
MAHARAJ  
MAPEKULA  
MAUBANE  
MAYABA  
MAYISE  
MDLALOSE  
MNGUNI  
MOKOATLE  
MOLOI  
MSOMI  
MTHEMBU

Thamsanqa  
Tazlyne  
Bongeka  
Anne Khayelihle  
Samkelisiwe  
S'Bahle  
Similo  
Kimrishka  
Surasha  
Ncamsile Millicent  
Thandeka Meltah  
Nompilo  
Nothando Philisiwe  
Nokwanda Cindy  
Nontokoza  
Chloe  
Cavishka  
Zintle  
Mary Dimakatso  
Neliswa Sanelisiwe  
Bathobile Valentia  
Andile Nomonde  
Gugu Precious  
Shweshwe  
Sinenhlanhla Pallisa  
Zwanini Cecil  
Siphelele Sibongakonke

CUM LAUDE

CUM LAUDE

MYENI  
NDIMANDE  
NDLOVU  
NGCOBO  
NGCONGO  
NGEMA  
NHLEBELA  
NKOSI  
NYAKAMBI  
NZIMANDE  
PAYNIVALOO  
PILLAY  
RUNGASAMY  
SAMBO  
SEHLAKO  
\*SELEPE  
SEREBA  
SHABANE  
SHAZI  
SHEMBE  
SHEZI  
SIBIYA  
SONLALL  
VILAKAZI  
ZAMA  
ZIKALALA

Nosihle Vanessa Yolanda  
Minenhle  
Samukelisiwe  
Sindisiwe Goodness  
Nonjabulo Zamaphambuka  
Mdumiseni Smanga  
Langelihle Nkosenhle  
Sakhiseni Emmanuel  
Onesimo Aneliseka  
Philile Noxolo  
Lauren  
Alyssa Adeline  
Levi Emmanuel CUM LAUDE  
Albetinah Elsie Makhosazane  
Kekeletso Jacqueline  
Lerato CUM LAUDE  
Nomonde  
Lindelwa  
Samukelisiwe Andile  
Wandile Gcinani  
Sindiswa  
Mumsy Amanda  
Suvith  
Thando Owethu  
Sanelisiwe Pearl  
Ntokozo

## National Diploma in FOOD TECHNOLOGY

ADAM	Noorjehan		
CELE	Vumile Nomthandazo		
CHETTY	Nicolas Vicario		
DLAMINI	Nomile Zipho		
GINA	Bongani Lungisani		
GUMEDE	Pride Nokuphila		
GUMEDE	Zandile Zethu		
HURBURAN	Jesma		
KALKAPERSAD	Sherilyn		
KESWA	Londiwe Alicia		
MAHABEER	Jitan		
*MAHARAJ	Sushmita	CUM LAUDE	
MAKHANYA	Sbongile Nondumiso		
MAPISA	Olwethu Nokuzoza		
MAZIBUKO	Nokwanda Prisca		
MBELE	Zanele		
MKHIZE	Zasembo Mbali		
MLAMBO	S'Phumelele Docas		
MLAMBO	Senamile Happyness		
MONGO	Theophilus Siphamandla		
MOODLEY	Jamie Lee		
			Thashnie
			Sibuyiselo Phetsile
			Lineo Portia
			Siphesihle Nontokoza
			Minenhle Millicent
			Parushka
			Fortunate Kwenele
			Jadine
			Zamaswazi Noluthando
			Busisiwe Ayanda
			Sithembele Mlamuleli Sikelela
			Alisha
			Thavendran Justin
			Rensha
			Sabelo Rudolph
			Khulekani Trinity
			Shivecka
			Sicelo Mhlonishwa
			Sinethemba Phathumusa Quentin
			Sinenhlanhla Valentine

## National Diploma in HORTICULTURE

CELE	Nolwazi Angel		
CHILIZA	Nelisiwe Portia		
DLAMINI	Thabani Nicholus		
DUBE	Nompumelelo Rosett		
DUMA	Thobeka Sinenhlanhla		
GASA	Phumla		
GOVINDASAMY	Silicia Anne		
GUMEDE	Londeka Pretty		
GUMEDE	Musa Welcome		
GUMEDE	Siyethemba		
HLONGWA	Nosipho Melody Dingo		
KHANYEZA	Gcinile Happy		
KHUZWAYO	Hlangu Nhlanzeko		
MADUBANDLELA	Nduduzo Christian		
MAGINI	Awonke Solomzi Bamanye		
MAMANE	Zizipho		
MANCI	Nolwazi Valencia		
MBONAMBI	Bheka		
MEMELA	Nokuzola Clemence		
MILANZI	Zama		
MKHIZE	Siphilile Nqobile		
MKHUNGO	Zamasodi		
MKUKWANA	Amahle Ayakha		
MNCUBE	Brian Sphamandla		
MOKOENA	Lerato		
MOKWENA	Nondumiso Valencia		
*MORAI	Seja Mollolea Pride	CUM LAUDE	
MTAMBO	Mthobisi		
MTHEMBU	Noxolo		
			Wendy S'Phesihle
			Andy Asiphe
			Nosipho Noluthando
			Nosipho Pearl
			Nompumelelo Lucia
			Sandile Prince
			Zamatenza Felicia
			Sithandokuhle Wendy
			Phindile Sithembile Favourite
			Nhlakanipho Gratitude
			Anele Kyle
			Sibusisiwe Sibahle
			Zola Thando
			Thembokuhle Msawenkosi
			Nomkhosi Zandile
			Siphesihle Precious
			Athi
			Bongeka Prudence
			Langelihle Sifundo Cyril
			Khayelihle Khabase Nkululeko
			Nzolo
			Saish
			Cebisile
			Tokozani Zine
			Nondumiso Anita
			Zandile Pretty
			Mhlonipheni
			Hlengiwe Nonkululeko

## National Diploma in MARITIME STUDIES

CELE	Lungisile Confidence	MSANE	Advice Mnqobi
GQIBA	Khanyisa	MSIMANG	Sinenhlanhla Nomonde Ziningi
KHOLISA	Bakholise	MTEMBU	Goodness Xolisile
KHUZWAYO	Thabiso	MTSHALI	Nkosinathi Emmanuel
LUTHULI	Lungelo Mphumeleli	NDLOVU	Princess Philisiwe
MAILA	Lesiba Refentje	NDZIMANDE	Mzolisi Goodman
MBANJWA	Senzo	NOMPUMZA	Avela
MBATHA	Samukelisiwe Siphesihle	ZONDI	Mnqobi Sibusiso
MBHELE	Michael Maqili Nhlanhla	ZONDO	Nzuzo Mvikeleni
MKIZE	Imryn Sphehile	ZWANE	Sandile Good-Enough
MOODLEY	Ryan Llewelyn		

## National Diploma in SPORT MANAGEMENT

BAM	Ntobeko Sboniso	MAJOLA	Bongumenzi Jacob	
BINDA	Philani Nkululeko	MAMFENGU	Zintle	CUM LAUDE
BIYELA	Thandeka Minenhle	MANUEL	Joel	
BLOSE	Philani Given	MARTIN	Jasmine	
CELE	Mzamo Nettleton	MASENGEMI	Sibonokuhle Mandisa	
CELE	Sifundo Vusumuzi Thamsanqa	MATEYISI	Luyolo	
CHONCO	Thobani Kwanda	MGWABA	Thenjiwe	
DLAMINI	Jabulani	MHLONGO	Lusanda Nonhlakanipho	
DLAMINI	Lindani Mthobisi	MHLONGO	Sinenhlanhla Zibuyile Cebisile	
DLAMINI	Sibongokuhle Praise-God	MKHIZE	Londiwe Innocentia Nontethelelo	
DLAMINI	Steve	MKHIZE	Sbusiso Anele Siyabonga	
DUMISA	Sisekelo Sithabile	MKHIZE	Simphiwe Emmanuel	
DUMISA	Yandisa	MKONGWA	Iviwe	
GCWENSA	Xolo Konke	MKUZO	Thabo	
GCWENSA	Ziphonzonke	MLONDO	Sikhona Sandile	
GODLO	Asanda Pamella	MNCWABE	Qhawe Lwazi	
GOVENDER	Cowyn Rogers	MNQAYI	Mduduzi Ndukebandla	
GOVENDER	Glenn	MONA	Athini	CUM LAUDE
GOVENDER	Iain Gabriel	MOSES	Wade Neville	
GWACELA	Amanda Thulile	MSWELI	Siyabonga Senzo	
GWALA	Sithembile	MTAWALI	Alfeo Michael	
HLENGWA	Nombuso Londeka	MTETWA	Mphilisi	
JACA	Amanda Akhona	MTHEMBU	Siphokuhle Thandanani	
JOHN	Samkelisiwe	MTHETHWA	Lungisani	
KESWA	Zime Thobile	MTHETHWA	Nhlakanipho Innocent	
KHAMBULA	Phiwokuhle Mbuso	MTSHALI	Khethelo Magalela Khondlo	
KHAMBULE	Thabiso Shaun	MVELASE	Bongumusa	
KHAN	Ismaeel	MZULWINI	Luyanda Bagciniwe	
KHAN	Khadija	NAICKER	Theesan	
KHAN	Reza	NALA	Thobile Sonto	
KHESWA	Brendon Mphumeleli	NDLANGISA	Ongeziwe	
KHOSO	Simbonile	NDLOVU	Khanyisani Cyril	CUM LAUDE
KHUZWAYO	Bonginkosi	NELANI	Gugu Zimvo Gwiba	
KHUZWAYO	Dumisile Ntandoyenkosi	NENE	Ndumiso	
KHWELA	Mthokozisi Teddy Thandokuhle	NGCAMU	Manelisi Owen-Bridge	
KHWELA	Snenhlanhla	*NGCOBO	Amanda Sinesipho	CUM LAUDE
KROON	Heinrich Luan	NGCOBO	Thembelihle S'Noluthando	
KWINANA	Ntombizamazotsho	NGQULUNGA	Slindile Queeneth	
LENGS	Precious Zinhle	NGUBO	Sizwe	
LINDA	Lindokuhle Ricardo	NGWAZI	Khethiwe Precious	
LUKHELE	Nkosinathi Marwick	NKABINI	Xolani	
LUTHULI	Nondumiso Nokuphiwa Sibahle	NOMBIBA	Mzingisi	
MABASO	Thobile Daphney	NTSHANGASE	Bayanda Mncedisi	
MADLALA	Bridget Gcinile	NXUMALO	Lindokuhle Vincent	
MADULINI	Sanele	NXUMALO	Ntando	
MAGUBANE	Sanele Modestus	NYIDE	Melody Londiwe	
MAGULA	Thabo Godfrey	NZAMA	Khethukulunga Prosper	

PHAKATHI	Nokwazi Zamaphakathi	TSHAMBULA	Mveleli Aphelele
SEETAL	Keaton	ZONDI	Nkanyiso Siphephelo
SHANGE	Philani	ZONDI	Phekelani Sibusiso
SHANGE	Sphesihle	ZULU	Lungelo Senzo
SHEZI	Nkosingiphile Sithembiso	ZULU	Sifanele Zibusiso
SHONGWE	Nqobile Ritta	ZULU	Thembi
SIBAYA	Mayenziwe Advocate	ZUMA	Sfundo
SIYOTULA	Chulekazi	ZUNGU	Sifiso Albert
STOOP	Bernard Abt		

### National Diploma in TEXTILE TECHNOLOGY

BIYASE	Ntandoyenkosi Mhlonipheni	NDLOVU	Bongumenzi Bongumusa
DUBAZANE	Nkululeko Ruth	NGQULUNGA	Zandile
GOVENDER	Karishma	NGWENYA	Belinda Tamera
MDINGI	Zanele		

### Higher Certificate in SPORT MANAGEMENT SCIENCE

BIYASE	Sanele	*MKHWELA	Thethelela Lelethu Tabita	CUM LAUDE
BUTHELEZI	Minenhle Melusi	MNGADI	Siyabonga Peacemaker	
CARTER	Ross	MNGOMEZULU	Bandiswa	
CELE	Mthuthuzeli	MPUNGOSE	Mandisa Precious	
CHIYA	Amanda Prisca	MSIBI	Ntokozo Andile	
DLADLA	Lindokuhle	MTHEMBU	Anele Ntombifuthi	
DUBE	Nhlosenhle Sthembele Zola	MTHETHWA	Thobisa	
DUBE	S'Nothile Pamela	MYENI	Mfanafuthi Bhekuyise	
DZANIBE	Nkosibonile	MYENI	Thembelihle	
GROOTBOM	Crowin	NDEBELE	Sanelisiwe Vumile	
GUMBI	Siyethemba	NDLOVU	Amanda Zama	
JWARA	Thabani Elphas	NDLOVU	Mxolisi Christian	
KHANYILE	Mbekezeli Sibongakonke	NENE	Mandisa Pammela	
KHANYILE	Truchid Silindile	NGUBANE	Sixolile Nondumiso	
KHASIBE	Moses Simo	NGWABENI	Wongiswa	
KHOZA	Kwanele	NGWADLA	Silindile Pumeza	
KHUMALO	Vusimuzi Alphoes	NKOMO	Thabang	
KWELA	Siphiwo Emmanuel	NTULI	Amanda Lungelo	
LOTZ	Andrew James	NZIMANDE	Sicelo Sakhumuzi	CUM LAUDE
LUTHULI	Nombulelo Sinethemba	SHABANE	Nosisa Lucretia	
MABASO	Samkele Nosipho	SHELEMBE	Mcebisi	
MANYAMALALA	Sivuyisile Khanya	SITHOLE	Kholeka Thulile Zandile	
MBONAMBI	Samkelisiwe Hlobisile	SITHOLE	Wandile	
MBONGWA	Zizipho	SMITH	Cameron Matthew	CUM LAUDE
MBUTHO	S'Busiso Blessing	ZIKODE	Snenhlanhla Andiswa	
MCHUNU	Nokwanda Phindile	ZUMA	Hlengiwe	
MJOLI	Nozibusiso	ZUNGU	Nokukhaya	CUM LAUDE
MKHIZE	Sanelisiwe	ZWANE	Phiwayinkosi Cyril	
MKHIZE	Zanele Zamani			