

PAPER

MANUFACTURERS ASSOCIATION
OF SOUTH AFRICA (PAMSA)



M.ENG BURSARY AND RESEARCH PROGRAMME UNIVERSITY OF KWA-ZULU NATAL

MAY 2018

About PAMSA

- Formed in 1992, represents more than 90% of paper manufacturers in SA.
- Promotes the use of paper as a renewable and recyclable material for communication, packaging and a myriad of other applications.
- Some of its members rank among top 20 pulp producers in the world.
- Promote interests and efforts of SA pulp and paper industry.
- Provides a forum, at pre-competitive stage, for development and presentation of common views on industry issues: education and training, energy production and use, water and waste, and research and development.



PAMSA research Initiative

- PAMSA has recognized:
 - Scarcity of skilled technical staff as a threat to SA industry.
 - Coordinated research would improve industry's international competitiveness.
- PAMSA established Processing Research Unit to realise above opportunities.
- PRU developed National Research Framework for industry.

Participating Universities



University of
Witwatersrand



University of
KwaZulu Natal

University of
Pretoria



CSIR (UKZN)



University of
Stellenbosch



University of
Cape Town



North West
University



**Bursaries offered at these
universities depending on field
of study and availability of
students.**



Fields of research

- **Plant optimisation techniques**
 - Specifically in fresh water management
- **Bio-refinery**
 - Organic component separation and beneficiation
 - Waste stream beneficiation – bio-ethanol production
 - Enzymatic valorization of wood organics
- **Pyrolysis processes**
 - Development of pyrolysis processes for beneficiation of forest biomass and waste streams
 - Development of catalysts for upgrading of pyrolysis oils
- **Crystalline nanocellulose**
 - Development of production processes

PAMSA RESEARCH UNIT

MEng. Bursary Programme

MEng

48 students accepted for MSc degrees

44 completed their courses

PhD

1 PhD graduated

1 PhD currently registered at NWU (final year)

1 MSc converted to PhD at US (final year)

1 PhD registered for UP catalysis project

M.Eng. Bursary Programme

- **Bursaries awarded to graduate chemical engineers**
 - Not less than 60% in final year.
 - Not more than 5 years for degree.
 - Comply with university entrance conditions for MEng.
 - Preferably be SA citizen.
- **Direction of study**
 - Two years full time study at SA university at MEng. level
 - Research project to benefit industry and satisfy research framework.



MSc. Bursary Programme

- **R100 000 p.a** for two years for student.
- **R50 000 p.a** for two years for university as project fees.

Bursary value

Bursary conditions

- To be completed in **two years of full time study**.
- Contract signed with **PAMSA industrial partner for two years**; work back as engineer-in-training.
- If no position – no further student commitment.



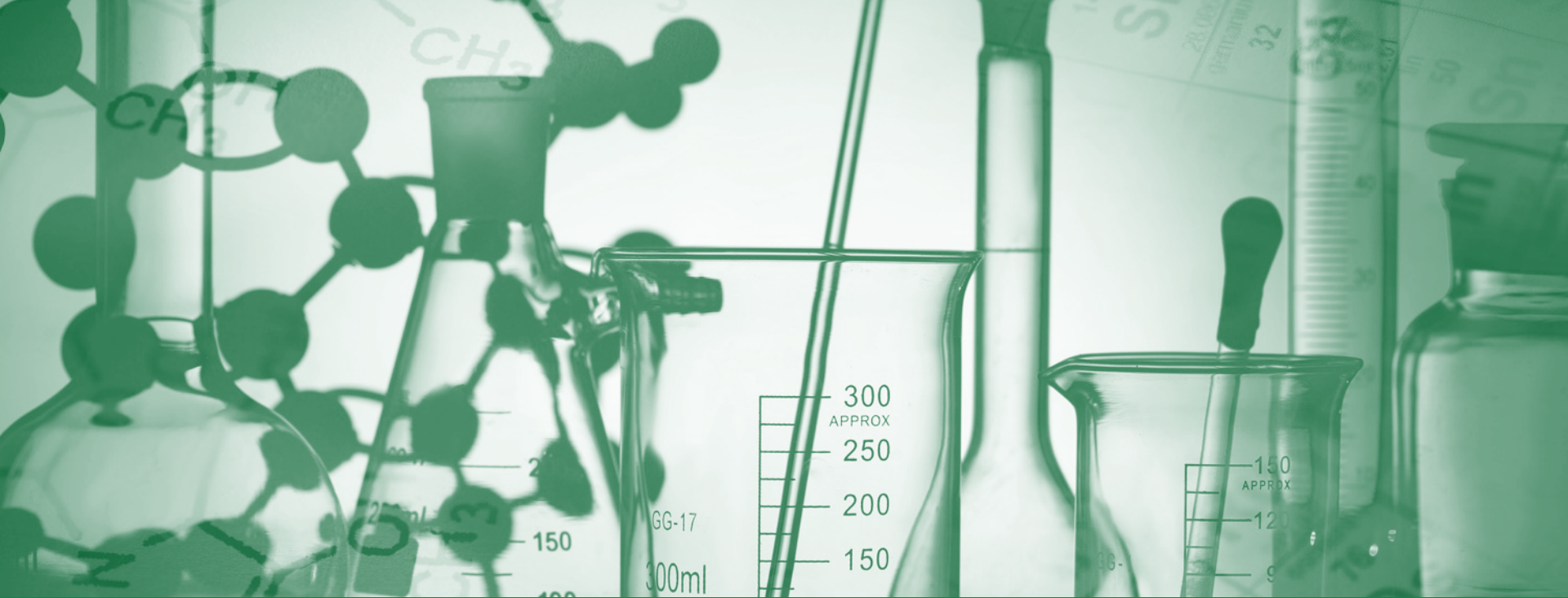
Applications are open!

- Register online at www.thepaperstory.co.za



The screenshot shows the top of the PAMSA website. The header includes the PAMSA logo (PAPER MANUFACTURERS ASSOCIATION OF SOUTH AFRICA), navigation links (ABOUT PAMSA, THE PAPER STORY, RESOURCES, CONTACT US), and a slogan 'IT'S PAPER.' with social media icons. The main banner features a young boy in a white lab coat and red bow tie, wearing safety goggles and holding a flask with red liquid. The background is a chalkboard with scientific diagrams and equations. A white text box at the bottom of the banner reads: **APPLY FOR PAMSA MASTERS OF ENGINEERING BURSARY RECRUITMENT PROGRAMME**. A hand icon with a magnifying glass is positioned over the text box.

Closing date: 25 May 2018



THANK YOU

www.thepaperstory.co.za

Updated: Mike Nash
5 April 2018