

ABRIDGED CURRICULUM VITAE

LOYISO G. NONGXA, DPhil (Oxon)

Residential Address:

9A Athole Avenue
Craighall
Johannesburg

SOUTH AFRICA

Mobile: +27761506735

Office number: +27 11 717 6225

Email address: loyiso.nongxa@wits.ac.za

Work address:

Mathematical Sciences Building
University of the Witwatersrand
WITS, 2050

UNIVERSITY QUALIFICATIONS

1. **Doctor of Philosophy:** (Mathematics, 1982) – Oxford University;
2. **Master of Science**, cum laude: (Mathematics, 1978) – University of Fort Hare;
3. **Bachelor of Science (Honours)**, cum laude: (Mathematics and Statistics, 1976) – University of Fort Hare;
4. **Bachelor of Science**, cum laude: (Chemistry, Mathematics and Mathematical Statistics, 1975) – University of Fort Hare.

ACADEMIC CAREER

1. **Professor:** School of Mathematics, University of the Witwatersrand: February 2014 onwards
2. **Professor** - Department of Mathematics and Applied Mathematics, University of the Western Cape: July 1990 – September 2000;
3. **Lecturer and Senior Lecturer** - Department of Pure and Applied Mathematics, University of Natal : July 1986 – June 1990;
4. **Lecturer** - Department of Mathematics and Computer Science, National University of Lesotho: July 1982 – June 1986;
5. **Lecturer** - Department of Mathematics, University of Fort Hare: January 1977 – September 1978.

UNIVERSITY LEADERSHIP POSITIONS

1. **Vice-Chancellor and Principal**, University of the Witwatersrand: 2003 – 2013;
2. **Deputy Vice-Chancellor (Research)**, University of the Witwatersrand: 2000 – 2003;
3. **Dean**, Faculty of Natural Sciences, University of the Western Cape: 1999 – 2000;
4. **Head**, Department of Mathematics, University of the Western Cape: 1995 – 1996.

UNIVERSITY GOVERNANCE

1. Member of Senate, University of the Western Cape; 1990 – 2000;
2. Senate representative on Council of University of the Western Cape; 1998 – 2000;
3. Representative of Minister of Education on Council of University of Cape Town; 1998 – 2000;
4. **Chairperson** of Senate of University of the Witwatersrand : 2003 – 2013;
5. **Chairperson** of various committees of the Senate University of the Witwatersrand;
6. Member of Council of University of the Witwatersrand; 2003 – 2013;
7. Member of Council of University of the Western Cape; 1998 - 2000

8. Member of the following Committees of the Council of the University of the Witwatersrand: **Audit Committee; Risk Committee; Finance Committee; Executive Committee of Council: Strategic Planning and Resources Allocation Committee; Human Resources Committee.**
9. **Chairperson** of the following Joint Committees of Senate and Council: **Strategic Planning and Resource Allocation Committee; Human Resources Committee; University Research Committee** (2000 – 2003).
10. **Chairperson:** Internal Audit Committee.

NATIONAL SERVICE AND ELECTED POSITIONS

1. **Chairperson:** Review Committee of National System of Innovation appointed by Minister of Science and Technology; 2010 – 2011;
2. **Chairperson:** National Innovation Advisory Council Reference Group – Review of 1996 White Paper for Science and Technology
3. Member of various Advisory Committees constituted by the Foundation for Research Development/National Research Foundation
4. **Chairperson** of Review Committee of the National Research Foundation Rating System;
5. Member of Steering Committee for the merger of Committee of Technikon Principals and South African University Vice-Chancellors Association;
6. **Former Chairperson:** Higher Education South Africa Research and Innovation Strategy Group;
7. **Founding Chairperson:** SASOL Inzalo Foundation;
8. **Former Chairperson:** TELKOM Foundation;
9. **Former Chairperson:** TENET, a South African National Research and Education Network;
10. **Founding Chairperson:** BP South Africa Education Trust;
11. **Chairperson:** Board of the National Research Foundation
12. Board Member/Trustee: various Educational Trusts.

RESEARCH INTERESTS

1. Abelian Group Theory;
2. Representations of partially ordered sets;
3. Gifted Education;
4. Research evaluation.

STATEMENT: The report *“Mathematics in Africa: Challenges and Opportunities”* prepared in 2009 by the IMU for the John Templeton Foundation identified a number of challenges which impede the development of high level mathematics research and mathematics education across the African continent. The follow up report *“Mathematics in Africa in 2014”* noted that some of these challenges persist and need a concerted effort over time to address. If I were to be elected, I would leverage on the prestige of the IMU and work with relevant stakeholders in Africa to help address these issues. During my 1-year term as President of the University of the Witwatersrand, I paid particular attention to driving partnerships between my university and some leading universities on the African continent. I will be able to leverage these networks as well.