

CURRICULUM VITAE
OLOO BENARD NYANGOYE

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PERSONAL INFORMATION

Date of Birth: 7th August, 1987

Nationality: Kenyan

Religion: Christian

Marital status: Married

Passport No. : A1701205

Kenyan National ID No. 24818623

MISSION

To reach the epitome of my profession and always strive to display professionalism in my work.

VISION

To inspire leadership, excellence and teamwork and to use my knowledge for the betterment and advancement of humanity.

BRIEF

A Material science Engineer skilled in polymer chemistry and processing as well as industrial engineering . I wish to transfer my skills in research and academics for advancement of the polymers field and industrial engineering. I aspire to bring sufficient expertise and knowledge towards achieving set organizational goals and objectives.

EDUCATION

September 2017 –Present (Moi university)

Doctor of Philosophy-(Energy studies)

August 2012 – March 2015 (Donghua University,Shanghai,China)

Master of Engineering (Material Science & Engineering)

- *Thesis title: Metallocene catalyzed Homo and Co- polymerization of propylene and polar monomers*

August 2006 – May 2011 (Moi University)

Bachelors of Engineering (Industrial and Textile Engineering)

Honors: **Second Class, Upper Division**

- *Final Year Project: Value addition to wool fiber by optimization of the scouring process and manufactured moisturizing cream and shoe polish from the extracted lanolin*

January 2006 – March 2006 (Kenya Institute Of Management)

Advanced Certificate: **Business Management**

Honors: Upper Credit

February 2001 – November 2004 (Maranda High School)

- **Attained a KCSE Mean grade of A- (minus).**

January 1993 – November 1995 (Ngong Township Primary School)

January 1996 – November 2000 (Atilili Primary School)

- **Attained a KCPE Total marks 527/700.**

PROFESSIONAL MEMBERSHIP/CERTIFICATION

Certifications:

- ✓ **Business Management** : Certified

Professional Membership:

- ✓ **Engineers Board Of Kenya: Graduate Engineer (B9247)**

SCHOLARSHIPS/HONORS

- ❑ **People's Republic of China:**
 - ✓ **Scholarship Awarded:** Engineering Excellence Scholarship award to study Masters in Material Science and Engineering at Donghua University, Shanghai.

WORK EXPERIENCE

SEPTEMBER 2015-PRESENT

- ❑ **Tutorial Fellow at Masinde Muliro University Of Science and Technology(Mechanical and Industrial Engineering department)**

AUGUST 2015-DECEMBER 2015

- ❑ **Part-time lecturer at Jaramogi Oginga Odinga University of Science and Technology in the School of Engineering**

AUGUST 2013-MARCH 2015

- ❑ **Teaching assistant at Donghua University ,Shanghai China. School of Material Science and Engineering**

OCTOBER 2011 – DECEMBER 2011

- ❑ **Engineering Trainee/Internship – Donghua University, Shanghai, China**

Key Learning areas:

- ✓ Attend an international conference on green composites
- ✓ Worked closely with different members of diverse research groups
- ✓ Enrolled for two courses in fiber science and textile composites
- ✓ Assigned to Follow up fiberglass manufacturing at Jushi fiberglass company

MAY 2011 – JULY 2011

- ❑ **Engineering Trainee/Internship – Sheffield Steel Systems Company**

Key Responsibilities:

- ⌘ Planning, stocking and documentation in the production stores
- ⌘ Planning, organizing and filling registers for service and logistics in terms of repair and maintenance jobs, installations and annual maintenance contract
- ⌘ Basic information on gas fittings, electrical fittings, refrigeration and mechanical fittings
- ⌘ General quality and safety measures as per factory acts and ISO certification standards

MAY 2010 – JULY 2010

❑ **Engineering Trainee/Internship – Kenya United Steel Company**

Key Areas of Responsibility:

- Induction furnace
- Continuous casting machine
- Rolling mill
- Wire and wire products
- Oxygen plant

MAY 2009 – JULY 2009

❑ **Engineering Trainee/Internship – Southern Engineering Company**

Key Learning Areas:

- ❖ Introduction to Marine Engineering & ship repair
- ❖ Marine and industrial engines, gearboxes, pumps, winches and valves
- ❖ Repair and service of marine diesel engines and voith propulsion systems
- ❖ Servicing of pitch and conventional propulsion systems of ships, anchor winches and centrifugal pumps

JUNE 2008 – AUGUST 2008

❑ **Engineering Trainee/Internship – Moi University Workshop Practice**

Key Learning Areas:

A 3 month Engineering practicals under the supervision of Moi University School of Engineering in various engineering laboratories including; Manufacturing, Industrial and Textile Engineering labs, Electrical and Electronics labs, Computer Engineering labs, Civil and Structural Engineering labs, Mechanical Engineering labs and Chemical and Process Engineering labs. The department of Manufacturing, Industrial and Textile Engineering also organized Industrial visits to various industries during that period

PUBLICATIONS

1. **Benard Oloo Nyangoye**, Long Chen ,Li Tianyou,Cai Zhengguo. Reactivity Comparison of ω -Alkenols and Higher 1-Alkenes in Copolymerization with Propylene Using An Isospecific Zirconocene-MMAO Catalyst ,mdpi Polymer Journal (2015)
2. **Benard Oloo Nyangoye**, Xu bo , Zhengguo Cai and Tianyou Li Homopolymerization of Propylene and Copolymerization of Propylene with Higher α -Olefin by Catalysted with C2 Symmetric Zirconocene Complex, China academic journal, (2015)

3. Moses Apunda Otieno ,**Benard Oloo Nyangoye** , Challenges and Opportunities of wind energy technology, International Journal of Development Research. (2017)
4. Moses Otieno Apunda, **Benard Oloo Nyangoye**, Selection of a Combined Heat and Power (chp), generation compared to buying of electrical power from the national grid and separate thermal heat production. Open Science Journal. (2017)
5. Moses Otieno Apunda, **Benard Oloo Nyangoye**, Environmental Challenges for Ocean energy generation, International Journal of Development Research. (2018)
6. Moses Otieno Apunda, **Benard Oloo Nyangoye** An analysis of the Pollution Concentration level of flowing river water compared to stagnant pond water, Open Science Journal.(2018-in press)
7. Benard Odhiambo obondo, **Benard Oloo Nyangoye** , Microscopy Simple or Advance Technique of Material Characterization, Open Science Journal.(2019)
8. **Benard Oloo Nyangoye**, Benard odhiambo obondo , Metallocene Catalyzed Homopolymerization of Propylene with a C2 symmetric Isospecific Zirconocene/MMAO Catalysts under different Polymerization conditions, Open Journal of Organic Polymer Materials.(2020)

OTHER TRAINING/CONFERENCES ATTENDED

- Attended the 13th Multidisciplinary international conference held in Masinde Muliro University of Science and Technology 2019 where I had a presentation on a topic: Microscopy Simple or Advance Technique of Material Characterization
- Attended IW COP (International conference on catalytic olefin polymerization) held in Shanghai 2014 where i had a presentation in form of a poster.
- Financial Planning
- Google Map Training.
- Basic Counselling Skills training
- HIV/AIDS Peer Education Training Course by I Choose Life (ICL) Africa.

COMPUTER PROFICIENCY

- ✓ **Operating Systems:** Microsoft Windows Server 2003/Client XP/Vista/7, Linux.
- ✓ **Microsoft Suites:** Microsoft Office 2003/2007/2010.
- ✓ **PC Support:** Hardware & Software maintenance of PCs and Laptops.

SERVICE DELIVERY/ COMMUNITY SERVICE

- ❖ Board Member, Angira Primary school Kisumu.
- ❖ **SIFE (Students In Free Enterprise)** Organization Moi University, Kenya. social services and community outreach activities such as digging of fish ponds for the surrounding community, environmental clean-ups as well as raising awareness to the locals on the importance of taking care of the environment.
- ❖ Organized and participated in a Hunger Walk dubbed “Feed The Hungry Campaign (FTH)” Moi University chapter to help the surrounding needy communities.

LEADERSHIP POSITIONS

- ✓ Attachment Co-ordinator in Mechanical and Industrial Engineering Department at Masinde Muliro University of Science and Technology.
- ✓ Quality assurance In-charge ,Mechanical and Industrial Engineering Department at Masinde Muliro University of Science and Technology.
- ✓ Curriculum review member in Mechanical and Industrial Engineering Department at Masinde Muliro University of Science and Technology.
- ✓ Sec. Gen of Kenya Students In Shanghai Group.
- ✓ Young Christian Society (YCS)Treasurer at Maranda High School graduation class of 2004.

HOBBIES AND INTERESTS

Soccer • Basketball • Swimming • Reading Journals, & Periodicals • Listening to music • Playing Chess • Watching Rugby and Socializing.

PERFORMANCE DRIVERS

- **Service centric** – Ability to Review service levels, evaluates feasibility and profitability of services and research areas assigned.
- **Delivering results** Ability to sets clear and challenging personal goals & putting in the extra effort. Analytical with attention to detail. Monitoring and changing plans on need basis to achieve end goal and makes unpopular decisions if necessary.
- **Managing a changing environment** – Able to put forward new innovative ideas, solutions and analyze information accurately while removing barriers to change and encourage the team to change things for the better.
- **Making a personal difference** – Can build networks with other diverse teams and set high standards for what they and their teams do. I also do takes responsibility for targets.
- **Communicating for impact** – I am clear and concise in talking and writing, keeping all relevant people informed of progress in work, presenting complex information and concepts in a way, which is simple to understand.
- **Trainability for Business development:** I am a fast Learner, grasping technical information easily. Excellent analytical & problem solving skills, drawing extra-mile drive from personal motivation to achieve set goals and objectives.
- **Work Ethics:** I am self-disciplined, requiring No supervision with ability to put in long working hours. I am time conscious, flexible, adaptable and a proven team leader/member

REFEREES

- ❑ **Dr. Joel chirchir,**
Lecturer ,Mechanical and Industrial engineering department, Masinde Muliro University
of science and technology
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- ❑ **Dr. David Njuguna**
Lecturer, School of Engineering,Manufacturing ,Industrial and textile engineering
department,Moi University
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- ❑ **Mr. Daniel Ogenga**
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DECLARATION

I hereby declare that the information given above is true to the best of my knowledge and that am ready to send in any more information and to come with my certificates for the interviews.

OLOO, MR. BENARD NYANGOYE

M.Eng.(Donghua University), B. Eng.(Moi University),(Member EBK)