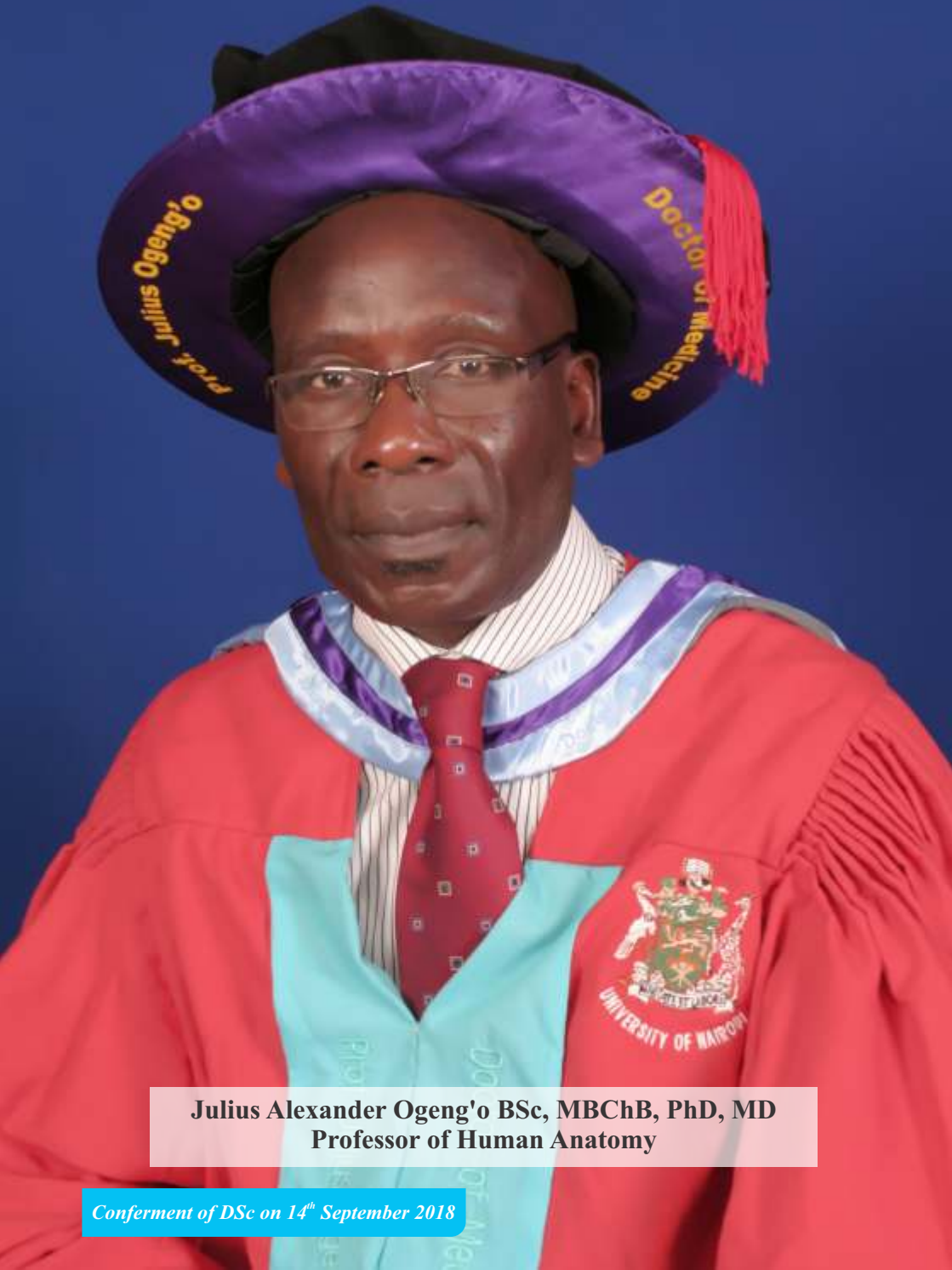




**UNIVERSITY OF NAIROBI**

**CITATION ON**  
**PROFESSOR JULIUS A OGENG'O**  
*BSc, MBChB, PhD, MD*

**PRESENTED DURING HIS CONFERMENT OF  
THE DEGREE OF DOCTOR OF SCIENCE OF  
THE UNIVERSITY OF NAIROBI AT  
THE 59<sup>TH</sup> GRADUATION CEREMONY  
HELD ON 14TH SEPTEMBER , 2018**



**Julius Alexander Ogeng'o BSc, MBChB, PhD, MD  
Professor of Human Anatomy**

*Conferment of DSc on 14<sup>th</sup> September 2018*

# Contents:

<b>1. EDUCATION .....</b>	<b>4</b>
1.1. Early Education.....	4
1.2. University Education .....	5
<b>2. CAREER PATH .....</b>	<b>7</b>
2.1. Pre-University Engagement .....	7
2.2. Medical Practice.....	7
2.3. University Teaching .....	7
2.4. Administration and Management.....	9
<b>3. RESEARCH .....</b>	<b>10</b>
3.1. Publications.....	10
3.2. Partnerships and Collaborations.....	11
3.3. Advancement of Knowledge .....	11
3.4. International Standing .....	13
<b>4. ACADEMIC INFLUENCE AND MENTORSHIP .....</b>	<b>15</b>
<b>5. COMMENDATIONS AND ACCOLADES .....</b>	<b>16</b>
<b>6. MEMBERSHIP IN PROFESSIONAL SOCIETIES.....</b>	<b>17</b>
<b>7. FAMILY AND SOCIAL LIFE .....</b>	<b>17</b>
<b>8. COMMUNITY PARTICIPATION AND LEADERSHIP .....</b>	<b>18</b>
<b>9. THE JOURNEY TOWARDS DOCTOR OF SCIENCE .....</b>	<b>20</b>
<b>10. CONFERMENT OF THE DEGREE.....</b>	<b>21</b>

# 1 EDUCATION

Julius Ogeng'o has a verifiable and credible educational history characterized by outstanding performance.

## 1.1 Early Education

He studied, and was top student at Buduma Primary (1969 - 1975), Kakamega (1976 - 1979) and Alliance (1980 - 1981) High Schools.



**Fig 1A: Julius Ogeng'o with his class mates at Kakamega High School in 1979**



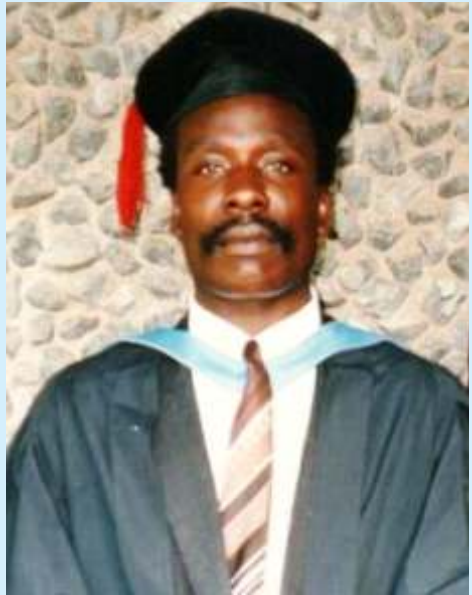
**Fig 1B: Julius Ogeng'o in his Biology class at Alliance High School in 1981**

## 1.2 University Education

- a) Ogeng'o joined the University of Nairobi's Faculty of Medicine to study Medicine in 1983. During the first year of study, he excelled in Human Anatomy.
- b) He pursued the intercalated Bachelor of Science degree in Human Anatomy and was awarded Bachelor of Science ( BSc, Hons ) in 1986.
- c) He completed medical training between 1986-1989 and was awarded Bachelor of Medicine and Bachelor of Surgery Degree (MBCChB) in 1989.
- d) In 2005 - 2008, he undertook PhD in Human Anatomy, on the "Structure and adrenergic innervations of the aorta in the goat" and was awarded Doctor of Philosophy (PhD) in 2008.
- e) In 2011 – 2014, Prof. Ogeng'o undertook a postdoctoral degree on "Pattern of complications and anatomical risk factors for atherosclerosis among black Kenyans" and was awarded post doctoral Doctor of Medicine (MD) in 2014.



**Mr. Ogeng'o on his BSc (Anatomy) graduation in 1986**



**Dr. Ogeng'o on his MBChB graduation in 1989**



**Dr. Ogeng'o on his PhD graduation in 2008**



**Prof. Ogeng'o on his MD graduation in 2014**

**Fig 2: Milestones in Julius Ogeng'o's journey through University of Nairobi**

## 2

### **CAREER PATH**

Julius Ogeng'o has had an illustrious career path characterized by patience, humility and resilience. It comprises Pre-University engagement, Medical Practice, University Teaching, Administrative and Management.

#### **2.1 Pre-University Engagement**

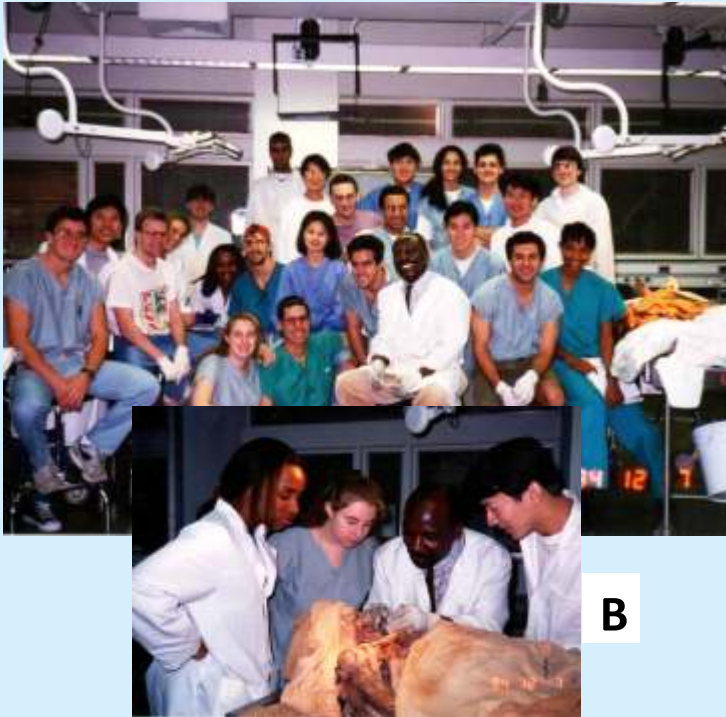
In 1982-83, he worked as an untrained High School teacher. During the same period he was engaged as a farm worker, cotton and sugar cane trader in his home town of Bumala in Busia County.

#### **2.2 Medical Practice**

- a. In 1989 – 1990, Dr Ogeng'o worked in the Ministry of Health as a medical officer intern at New Nyanza Provincial General Hospital, Kisumu and as a medical officer at St. Joseph Hospital, Nyabondo in Nyakach.
- b. Between 1991 - 2004 he worked as a part - time General Medical Practitioner in various clinics in Nairobi.

#### **2.3 University Teaching**

- a. In 1986, he was recruited as a Graduate Assistant in the Department of Human Anatomy, University of Nairobi, where he served as a part – time demonstrator until 1990.
- b. In December 1990, he was appointed Assistant Lecturer in the Department of Human Anatomy and promoted to Lecturer in 1995.
- c. Between 1994 and 2004, Dr. Ogeng'o occasionally took short leave to instruct at Pennsylvania School of Medicine and Pennsylvania College of Podiatric Medicine in Philadelphia, USA.



**Fig 3: Dr. Julius Ogeng'o on his international teaching assignment Pennsylvania School of Medicine, Philadelphia USA, in 1994**

- d. He was promoted to Senior lecturer, in 2008.
- e. Between 2008 – 2011 he also taught part – time in several local private Universities.
- f. He was promoted to Associate Professor in 2011, and to Professor in 2016.
- g. During all this time, and in all the places, Ogeng'o has taught Topographic, Microscopic, Developmental and Comparative anatomy to undergraduate and postgraduate students.
- h. He delivered his inaugural lecture entitled "Human Anatomical Variations: Relevance to health and disease" on Nov 13, 2017.



## 2.4 Administration and Management

Prof. Ogeng'o is a seasoned experienced administrator and manager. He is well versed with the regulatory, administrative and operational frameworks for management of Academic Programmes and Resources.

- a) Between 1994 – 2004, Julius Ogeng'o served as course coordinator of Human Anatomy for all the programmes.
- b) Between 2004 - 2011 Dr. Ogeng'o served as the Chairman of the Department of Human Anatomy.
- c) In 2010 - 2011 he also served, in acting capacity, as Associate Dean School of Medicine on various occasions.
- d) Between 2011- 2015 Prof. Ogeng'o was the Managing Director of the University of Nairobi Enterprises and Services (UNES).



**Fig 4: Prof Ogeng'o as Managing Director of UNES**

- e) In March, 2015 he was appointed the founding Director of the Center for Self Sponsored Programs (CESSP).
- f) In June 2018, he was appointed acting Deputy Vice Chancelor Academic Affairs, University of Nairobi.
- g) He has served, and continues to serve on several policy and strategy formulation management committees, most of which he has been the Chairman.
- h) Prof. Ogeng'o has attended and participated in many management and leadership trainings, seminars and workshops.

### **3 RESEARCH**

Prof. Julius Ogeng'o has a consistent research record. He started his research career 33 years ago as a medical student in 1985. His main areas of interest are anatomical variations, cardiovascular pathology, vascular anatomy, general histology and neuropathology.



**Fig 5: Professor Julius Ogeng'o on the Microscope excited about his Research findings**

### 3.1 Publications

Ogeng'o is a prolific author. He has published over 280 articles comprising the following:

- a) 188 full peer reviewed articles, and several abstracts in local and international journals.
- b) 47 General Health Education articles in local magazines.
- c) 34 conference presentations.
- d) 3 Doctoral theses and 6 project papers.
- e) Several books and book chapters.

### 3.2 Partnerships and Collaborations

Julius Ogeng'o has established functional International research linkages and partnerships which have led to collaborative research, for example the landmark study on Alzheimer's Disease in African populations. He is currently involved in the collaborative Japan – Kenya – Nigeria "REMESSES" Study. Locally, he has linkages and partnerships with several private and public hospitals.



**Fig 6: Prof. Ogeng'o with his Research colleagues during a recent International Conference**

### **3.3 Advancement of Knowledge**

Prof. Julius Ogeng'o has made a distinct and significant contribution to advancement of knowledge in the following 5 key areas:

#### **3.3.1 Occurrence of atherosclerosis among black**

**Kenyans:** His works provide seminal clinical and histopathological evidence for existence of the disease and constitute the largest pool of baseline literature on the characteristics of atherosclerotic diseases; namely stroke, myocardial infarction, aneurysms and peripheral vascular disease from Eastern and Central Africa.

#### **3.3.2 Anatomical Risk Factors for atherosclerosis:**

The concept of anatomical risk factors has only recently emerged and the scanty literature was confined to coronary and carotid arteries. Ogeng'o's publications provide the first structural evidence from coronary, carotid, femoral and renal arteries of asymptomatic individuals.

#### **3.3.3 Anatomical variations of arteries:**

Ogeng'o has published the largest collection of anatomical variations of arteries among black Africans. He has described degrees of terminal branching hitherto undocumented except as occasional case reports and demonstrated their relationship with atherosclerosis. These publications constitute a catalogue of variations that underscore the clinical significance of human vascular variability.

**3.3.1 Structure of the Aorta:** Ogeng'o's studies demonstrated, for the first time, as a major deviation from the conventional model of a uniform structure of medial lamellar units and musculoelastic fascicles, that in some mammals the aorta is a heterogeneous organ that displays qualitative and quantitative regional and zonal variations. These findings underpin the aorta as a model for further studies on atherosclerosis and other vascular diseases.

**3.3.2 Alzheimer's Disease in Africa:** Ogeng'o's publications were among the first neuro - histopathological descriptions of Alzheimer's Disease among black Africans and demonstration of existence of its genetic risk factors. This was shown at a time when it was believed that AD was rare or nonexistent in Africa.

### **3.4 International Standing**

Julius Ogeng'o's seminal works, which are very frequently cited, have given him strong International Stature that makes him a true world class scholar. A few examples include the following;

**3.4.1** The anatomical works have received approval of anatomical associations and societies of Britain, Ireland, Australia, Poland, Spain, Brazil, Chile and North America.

**3.4.2** The pathology and clinical components have also been acknowledged by American Association for thoracic surgery, Japanese and Belgian Colleges of Cardiology; International Society of Neuropathology and International Stroke Society.

**3.4.1** Some of the publications have received International accolades. For example, a) “The manuscript by J.A Ogeng'o and colleagues is an important contribution to our understanding of human brain aging in general and Africans in particular” [Dickson, 1996] b) “The natural history of hypertensive kidney disease in Africa will be answered by future investigators inspired by the work of Ogeng'o et al” [Tedla and Salifu, 2011] c) The paper titled “Variant anatomy of the uterine artery in a Kenyan population” received John J Sciarra IJCO Prize paper Award – Honorable mention 2010 as the best Clinical Research Article from a Low and Middle Income Country.

## **4 ACADEMIC INFLUENCE AND MENTORSHIP**

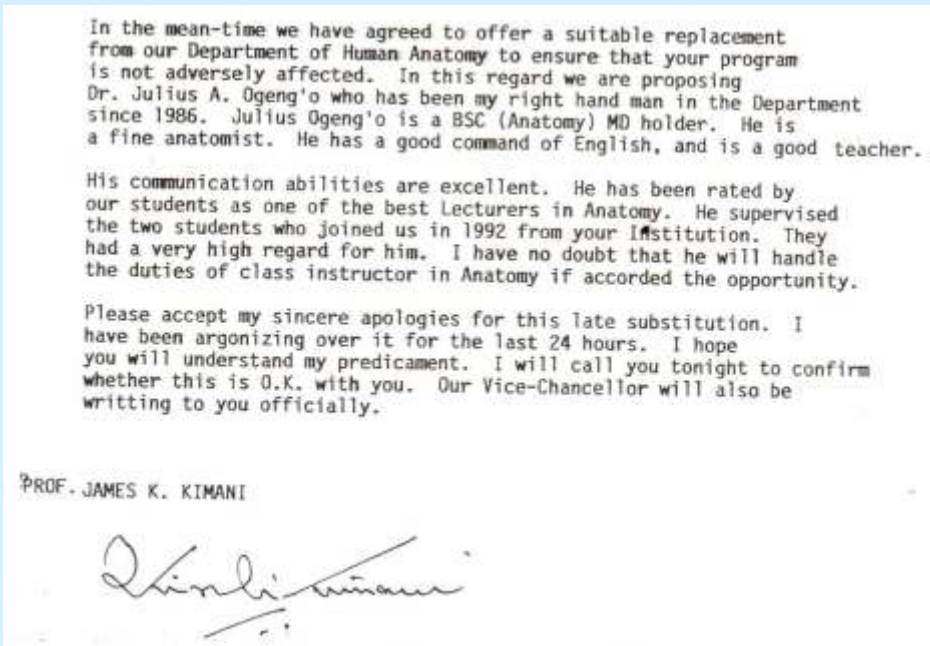
Professor Ogeng'o has significantly influenced medical training locally, internationally and contributed immensely to mentoring scores of students and staff.

- 4.1** Ogeng'o has trained and mentored thousands of undergraduate and postgraduate students and supervised over 60 theses and dissertations in Human anatomy including 10 for PhD and 5 for Masters.
- 4.2** He is the author of the Dissection manuals and texts used in many medical schools; He has also authored the **OG Anatomy.org**, one of the best online Human Anatomy learning resources in the world.
- 4.3** Prof. Ogeng'o has been a key pillar in establishment of virtually all Human Anatomy laboratories in public and private universities in Kenya.
- 4.4** He has and continues to serve as external examiner in many Universities, and has examined many Masters and PhD theses.
- 4.5** He is the editor in chief of the Anatomy Journal of Africa and a reviewer for several international journals.

## 5 COMMENDATIONS AND ACCOLADES

Prof Ogeng'o is a recognized and acknowledged Human Anatomist. He has twice received Dean's award for excellence in teaching, student mentorship and research; and Vice Chancellor's commendation as the most prolific professor in 2011. He has also received the John Isciara Prize for the best clinical Anatomy article from Low and Middle Income Countries.

Dr Julius Ogeng'o has had excellent commendations from his teachers. Prof. James Kimani had this to say



**Fig 7: Julius Ogeng'o's teacher's recommendation for overseas appointment**

## 6 MEMBERSHIP IN PROFESSIONAL SOCIETIES

Julius Ogeng'o is a founder member of the Society of Neuroscientists of Africa (SONA); former Secretary General of Kenya Society of Neuroscientists (KSN), a member and former treasurer of the Kenya Physiological Society (KPS). He is also a member of several Pan African professional organizations and Associations.

## 7 FAMILY AND SOCIAL LIFE

Julius Ogeng'o has a rich wholesome social life. He was born on 26<sup>th</sup> December, 1961 in Busia District. He is the first of 8 children, is married to Dorinah Nekesa and has a daughter Dr. Nafula and a son Eng. Sanya. He is spiritual, a practicing Christian and enjoys jogging, travelling, site seeing, watching wildlife and listening to African rhumba and gospel music.



*Julius Ogeng'o with his siblings, grandmother, aunt and cousins in their rural home in Busia in 1981*



*Julius Ogeng'o communing with priests in his village home in 2001*



*Dr. Julius Ogeng'o with his parents, wife and children on the PhD graduation day in 2008*

### **Fig 8: Various Phases and facets of Julius Ogengo's life**

*Conferment of DSc on 14<sup>th</sup> September 2018*



## 8 COMMUNITY PARTICIPATION AND LEADERSHIP

Julius Ogeng'o actively participates and offers leadership in the community. Julius is a member of several Development and Welfare groups. He has been involved in championing community Development, youth and women empowerment campaigns in his home subcounty of Butula in Busia.



*Dr. Ogeng'o with Dr YFO Masakhalia, Minister for Finance during a past community mobilization event in Busia*



*Dr. Ogeng'o presiding over a fund raiser during his heydays in 2000*

**Fig 9: Dr. Julius Ogeng'o during community development activities**

Ogeng'o has been Chairman of Bumala Development and Ebumarachi Development and Welfare Associations where he spearheaded establishment of Churches, Primary and Secondary schools in Busia County. He has, and continues to serve on, and chair Secondary School Boards of Management.



***Fig 10: Julius Ogeng'o during reflection time at Outspan Hotel in Nyeri in 2004***

## 9 THE JOURNEY TOWARDS DOCTOR OF SCIENCE

Prof Ogeng'o pursued the journey towards the Doctor of Science Degree in accordance with the University of Nairobi statute XXIII on " Regulations for Higher Doctorates"

9.1 He applied for DSc in February 2015, and was invited to submit his thesis entitled " Insights into and anatomical perspectives of Atherosclerosis among black Kenyans" in November 2015.

9.2 In March 2016, he submitted the thesis for evaluation and examination

9.3 On March 19, 2018, he successfully defended the thesis before the Senate Evaluation Panel and the Public Audience.



*Prof. Ogeng'o during panel and Public defense of the DSc thesis on March 19, 2018*

**9.4** Prof Julius Ogeng'o satisfied the Examiners, Evaluation panel and Senate for award of the degree of Doctor of Science in 2018.

## **10. CONFERMENT OF THE DEGREE**

Madam Chancellor, I am greatly privileged to request you to confer the degree of Doctor of Science (DSc), in Human Anatomy of the University of Nairobi upon Professor **JULIUS ALEXANDER OGENG'O** on this 14th Day of September, 2018.

***LADIES AND GENTLEMEN,  
JULIUS ALEXANDER OGENG'O***