



MMUST NEWS

A Digital Publication of Masinde Muliro University of Science and Technology

Post

Vol. 5: Issue 9: 22nd July – 20th August 2021

Theme; ‘Thriving in Science, Technology and Innovation in the COVID-19 Pandemic Era’

Congratulations Graduands



16TH
GRADUATION
CEREMONY

UPCOMING

EVENTS



STEMEIC 2021



**17-19 November
2021**



Virtual
Hosted by Masinde Muliro University of
Science & Technology

MMUST News Post



Editor's Pen

Dear MMUST Community,

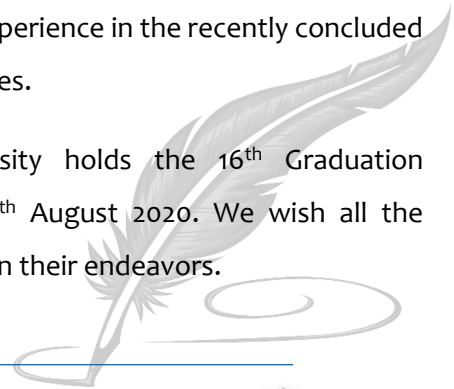
We are glad to bring this edition of the NewsPost.

Read about the team of researchers representing the University at Brandenburg University of Applied Sciences (BUAS) in Germany. We thank the Directorate of International and Academic Linkages (DIAL) for initiating this fruitful collaboration with BUAS.

We also bring you the story of Anthony Muchiri- one of the three pioneer students in Sports Science and his passion for sports. Read about his experience in the recently concluded 2020 Tokyo Olympic Games.

This week, the University holds the 16th Graduation Ceremony on Friday, 20th August 2020. We wish all the graduands the very best in their endeavors.

Thank you.



Nashilluh Brendah Kabindio
Chief Editor/Ag. Public Relations Officer



Awuor Sandra Dorcas
Writer, Creative Design and Layout



Wangari Wambugu
Writer, Creative Design and Layout



Shiundu Wilberforce
Photographer



Gabriel Juma Nabwera
Photographer



A section of Workshop participants in Germany

MMUST, BUAS AND AGROKENYA HOLD WORKSHOP ON PRACTICE-ORIENTED UNIVERSITY EDUCATION IN WESTERN KENYA

By Wangari Wambugu [mwangari@mmust.ac.ke]

Masinde Muliro University of Science and Technology (MMUST), in conjunction with Brandenburg University of Applied Sciences (BUAS), Germany, and Agrokenya, held a semi-virtual ‘Practice-Oriented University Education in Western Kenya (ProUniEdu-WeK)’ Workshop from 10th to 13th August, 2021. The three (3) institutions have had a long-standing partnership on research and training which led to ProUniEdu-WeK, a DAAD-funded project whose goal is to replace the highly theoretical Kenyan university education system with a practical one involving the industry.

Speaking at the official opening of the Workshop, the Acting Deputy Vice Chancellor (Academic and Students Affairs), Prof. Peter Odera, said that MMUST has benefited immensely from this collaboration mainly through training workshops, research activities, equipment donations and staff exchange programs.

“Courtesy of this project, several of our departments have moved steps towards practice-oriented teaching as opposed to the conventional theoretical methods. We consider this collaboration a valuable asset to MMUST and we will continue to support the activities of the project as well as to enhance partnership with member institutions and beyond,” said Prof. Odera. Prof. Odera was representing the Acting Vice Chancellor, Prof. Solomon Shibauro.

The president of BUAS, Prof. Dr. Andreas Wilms, urged the institutions in present to develop new proposals because the funding period for the ProUniEdu-WeK project came to an end. The BUAS project team leader, Prof. Dr. Dietmar Wikarski said that this particular collaboration has yielded more associations with Magdeburg-Stendal University of Applied Sciences, Eberswalde University for Sustainable Development and the University of Eldoret.

During the Workshop, scholars presented studies that touched on digitization of agriculture, engineering and science. There was also a discussion on the integration of various fields of study to produce more skilled students that are ready for the job market.



A section of workshop participants attending the DAAD workshop virtually

The underlisted went to Germany to attend a workshop on Practice-Oriented Teaching. They represent various departments and schools. They have been working with German counterparts on the project that is funded by the German Academic Exchange Program (DAAD) since 2017. This was the third and final workshop of the project. Each participant presented their work as summarized below.

Name	School/Department	Project
Dr. C. Aurah	Science and Mathematics Education	Digitalization of Teaching and Learning in higher Education: Online collaborative teaching of a PhD course
Dr. A. Chesambu Dr. V. Ogemah	SAVET	Agro-Intensification and Biodigester Digital Apps for agriculture Organic Farming Networks
Dr. F. Orata Dr. G. Mutua	Chemistry	Development of ceramic based water purifier Industrial Chemical processes and catalysis
Dr. G. Mengich Ms. M. Wambui	Health Professions Education	Telemedicine Mobile phone home-based care model
Mr. E. Ebinga	Mechanical Engineering	Model training incubator Collaborative distance training environment Model solar city Pump design and construction
Dr. P. Okoth	Biological Sciences	Robotics and 3D printing in practice-oriented teaching
Dr. Ondulo Jasper	Computer Science	Mobile apps for Health and Agriculture
Mrs. F.N Nkangi	Journalism	Sensitizing rural population on covid-19 related opportunistic disease

Other members of the team who did not travel made their presentations online. These were Prof. J. Muoma, Dr. D. Otanga, Mr. R. Ouma.



MEET ANTHONY MUCHIRI; MMUST STUDENT LIVING THE DREAM OF COACHING PROFESSIONAL SPORTS



Wangari Wambugu and Jairus Liankor [mwangari@mmust.ac.ke; liankorjairus@gmail.com]

Anthony Muchiri is a Sports Scientist by profession having done Sports Science in MMUST at both Undergraduate and Masters Level. He is currently the strength and conditioning coach for Kenya Rugby, specifically Kenya 7s which is our national team.

Get full interview



Q. Tell us about your journey at MMUST.

A. I joined MMUST on 21st August, 2011 as a pioneer in a course that not many people knew about; we were only three (3) of us. Most of our units were practical and I remember other students would make fun of us because we used to wear track suits a lot. By the time we were hitting Second Year, almost everyone in the University knew us because of our distinction.

Being in MMUST was a wonderful experience. I am so proud of this University; MMUST helped shape me into the person I am today. Mark you; by the time I was finishing First Year, I had already secured a job as an instructor at Flora Health and Fitness Ltd, Kakamega. I kept on building my skills and by Fourth Year, I was working with Kabras Sugar Rugby team as their physician and welfare officer. I have also done a lot of volunteering at Kakamega Hospice; I am their programme coordinator volunteer up to today. I have helped organize a number of sporting events at the University.

I cannot fail to mention the immense support that was given to me by Prof. Peter Bukhala, Prof. Edwin Wamukoya, Dr. Issa Kweyu and Dr. Elizabeth Mse.

After my Masters, I'm going to enroll for a PhD.

Q. When did you join the Kenya Rugby Union and how?

I joined the Kenya Rugby Union in 2015 when I started working with Kabras but I joined the National team in 2020. I was called by the coach who asked me to submit my papers. He looked at what I had done including the research that I had done in rugby and I was taken in.

Q. Do you play any role in the MMUST Rugby team?

I'm not directly connected to the MMUST Rugby team but I would be very happy to help it move into other fields. Most of the MMUST players are my friends. I coached some of them at Kabras. I know their capacity and I have seen what they can do. Of course, I would like to see them join the National team.

Q. What/who is Strength and Conditioning Coach?

A Strength and Conditioning Coach is a person that ensures players are physically ready for the game. He or she plans and executes fitness programmes, ensures that players are hitting the required standards of fitness, collects data on fitness and

advises accordingly, designs and implements strength-training and conditioning programmes just to mention but a few. The Coach basically produces what the head coach wants and that is strong and speedy energetic players.

Q. Since you are Strength and Conditioning Coach, have you been involved with any other sporting activities other than rugby?

I have done a lot in football in terms of planning and execution; I have worked with tennis players. I also do individual personalized programmes.

Q. Apparently, you were involved in the 2020 Tokyo Olympic games, what was your role (s) in this and how was the experience?

My role was to prepare the team in terms of standard fitness.

The experience was good. Kenya was ranked position eleven (11) at Rio Olympics in 2016 while in the Tokyo Olympics we finished at position nine (9) which is a great improvement. We missed the other bracket by a very narrow margin.

Q. How many countries have you been to so far in relation to sports?

I have been to over seven (7) countries.

Q. Any challenges you have encountered in your career and sporting journey?

Challenges are always there. You see, coaching is like being a teacher. Sometimes you have the whole picture in your head but getting the players to understand can be difficult. Another challenge is of course the COVID-19 pandemic. There were no sporting events for like a whole year and so most of the athletes were not engaging in physical activities. It has been a very big



Anthony Muchiri in Tokyo for the 2020 Olympic Games



challenge to bring them back to the field. Additionally, due to travel restrictions, we were unable to go for pre-season tournaments which carry a lot of benefits to players.

Q. Comment on the state of sports industry in Kenya.

The Kenyan sports industry is improving but we need to do more in relation to professionalism. If we move to that direction (professionalism), our sports industry will be viewed as a professional entity.

Q. What are some of your distinguishable achievements so far?

Some of my distinguishable achievements are; going to Madrid and finishing in two (2) finals, winning the National rugby 7s League, winning the Championship League in Kisumu, winning the Kenya Cup League with Kabras, and going into four (4) straight finals with Kabras at the Kenya Cup League and winning one (1) of them.

Q. Any word to prospective students who would want to join the course you did?

Sports Science is a practical and beautiful course. Stay focused, keep working and developing yourself, be persistent and consistent, have a passion for what you do and you will definitely succeed.





MMUST Webuye Campus Hosts Launch of Governor H.E. Wycliffe Wangamati's Scholarship Program

By Victor Mukoshi [victoralberts5@gmail.com]

Masinde Muliro University of Science and Technology (MMUST)-Webuye Campus was privileged to host the launch of the 2021 Governor's Scholarship program courtesy of Bungoma County Governor, H.E. Wycliffe Wangamati's Scholarship Program in wards within Webuye East and West on Thursday July 29, 2021.

This is the fourth cohort since the inception of the scholarship programs in 2018 which aims at supporting top KCPE performers from vulnerable families to join form one in their desirable high schools. The well-planned ceremony at Maraka Ward saw sponsored pupils and their parents attend, with anticipation of joining reputable institutions of higher education such as MMUST.

MMUST's DVC in charge of Planning, Research and Innovation (PRI), Professor Judith Achoka, shared that the University is doing its best to offer quality teaching and training to its students. She stated that the University is glad to be associated with H.E. Wycliffe Wangamati's honorable initiative and will accord its support. Prof. Achoka requested the County Government's Support towards the recommended expansion of the Webuye Campus.

H.E. Wycliffe Wangamati affirmed that the only way to reduce poverty in Bungoma County is through Education. He said that he is fully invested in offering scholarships to pupils in his County. The Scholarship Program has sponsored five hundred (500) pupils in 2018, Five hundred and fifty (550) in 2019, Six hundred (600) in 2020 and two thousand (2000) in 2021. In his final remarks, the Governor suggested the remodeling of MMUST Webuye Campus into an industrial college that will help students take advantage of local jobs.

“There is no bigger investment than education that anyone can do for our children,” said H.E. Governor Wycliffe Wangamati.



Bungoma County Governor, H.E. Wycliffe Wangamati speaking at the Scholarship Launch at MMUST-Webuye Campus

Parents of top performing 2020 K.C.P.E pupils spoke of their inability to send their children to form one due to lack of school fees. They expressed their gratitude for the ray of hope that shone in their homes in form of a four-year scholarship from H.E. Wycliffe Wangamati’s County Government.

The County Executive Committee Member (CECM) Education Bungoma County, Hon. Dr. Betty Mayeku said that there will be a review of the scholarship based on academic performance and discipline. She therefore urged the pupils to take advantage of the opportunity that has been granted to them. According to Dr. Mayeku, 300 pupils were awarded scholarships in Webuye East and West.

CECM Water, Environment, Tourism and Natural resources, Hon. Renson Makheta said that MMUST- Webuye Campus being the only campus in Bungoma, ought to look into expansion. This comes in light of the campus being located at the heart of Webuye which is an industrial town that can avail attachment and research opportunities for students.



MMUST DVC (PRI) ,Prof.Judith Achoka addresses guests at the launch.

Revised STEMEIC 2021 Important Dates



CALL FOR PAPERS

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS INTERNATIONAL CONFERENCE 2021



**17-19 November
2021**



Virtual

Hosted by Masinde Muliro University of
Science & Technology

KEYNOTE SPEAKERS



**Prof. Lisa
Brown**

Sam Houston State
University



**Prof. Dietmar
Wikarski**

Brandenburg University
of Applied Science



**Prof. Dr. Mustafa
Hilmi ÇOLAKOĞLU**

Neveşehir Hacı Bektaş
veli University



**Prof. Jane
Rarleya**

The Aga Khan
University

THEME
“STEM Education and Innovation in
Africa and beyond during and post
COVID-19: Ensuring Quality, Equity and
Inclusivity”

IMPORTANT DATES

Activity/Call	Open Date	Closing Date
Abstracts submission	June, 28 th	October, 30 th
Abstract Review Feedback	July, 1 st	November, 5 th
Full Paper submission	July, 15 th	November, 5 th
Early Bird Registration	August 1 st	September 5 th
Registration	September 6 th	November 6 th
Conference dates	November 17 th	November 19 th

CONFERENCE TRACKS

1. New Insights into STEM Education Research.
2. STEM Education in Informal Contexts.
3. Integrated Stem Education.
4. Innovative Pedagogies in STEM Education during and post-COVID-19 Pandemic.
5. From STEM to STEAM to STREAM: Implications on Performance.
7. Gender Responsive STEM Education.
8. Language, Culture and STEM .
9. STEM Education and Emerging Socio-cultural Issues.
10. STEM Education and Competency Based Curriculum.
11. Inclusive Education and STEM.
12. The Complexities of Climate, Energy and Environment.

SUBMIT ABSRTRACT/PAPER

www.deiafrica.org/stemeic2021

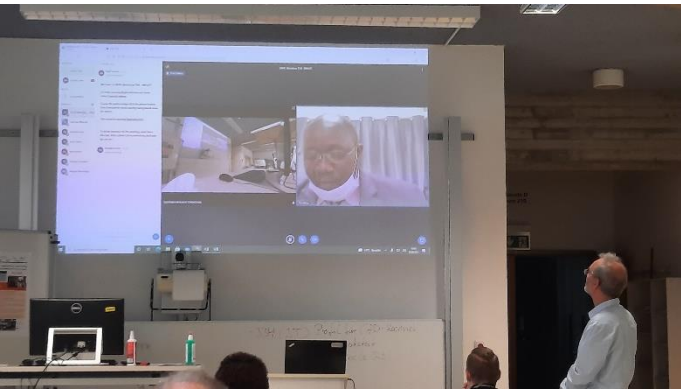


EVENT
SPONSORS



The aim of STEMEIC 2021 is to gather researchers, scientists, engineers, practitioners and policy makers from all over the world to present advances in the STEM education. The Conference is certain to be one of the most important gatherings for providing thought leadership within the STEM education community. It will also help in fostering collaborations in STEM education between government, industry, and the academia.

BUAS WORKSHOP





MMUST NEWS

A Digital Publication of Masinde Muliro University of Science and Technology

Post

A Publication of Masinde Muliro University of Science and Technology

P.O.Box 190-50100

Kakamega, Kenya

Tel No: +254 702597360/1,

+254 733120020/2

Email: pr@mmust.ac.ke

MMUST is ISO 9001:2015 Certified

MMUST News Post