

MONTHLY SNIPPET

INAUGURATION OF CENTRE FELLOWS

MEETING WITH
VICE-CHANCELLOR

MEETING WITH
GTEC, AAU

PHD VIVA
VOCE

STUDENTS'
SPOTLIGHT

UPCOMING
CONFERENCES

LOCAL &
INTERNATIONAL
WASH NEWS

CONTENT

**Meeting with the
Vice-Chancellor_____1**

Meeting with GTEC, AAU _____2

**Inauguration
of Centre
Fellows _____3**

PhD Viva Voce_____5

**Local & International
WASH News _____6**

**Students'
Spotlight _____9**

Upcoming Conferences _____10



Meeting with the Vice-Chancellor

The Vice-Chancellor of the Kwame Nkrumah University of Science and Technology (KNUST), Professor (Mrs.) Rita Akosua Dickson on April 22, 2021 received a delegation from the Ghana Tertiary Education Commission (GTEC) and the Association of African Universities (AAU) on behalf of three Centres; RWESCK, TRECK and KEEP. GTEC and AAU were on an official mission to the three centres to learn of their progress per project deliverables of the ACE for Development Impact Project as well as initiate dialogue on any challenges and proffer recommendations. The team from GTEC was led by Professor Mohammed Salifu (Director General) and the AAU by Dr. Sylvia Mkandawire. The Provost of the College of Engineering, Professor Mark Adom-Asamoah highlighted key achievements of the Centres in terms of enrolment, industrial training, research, externally generated funds and procurement. He pledged the College's support to the Centres to ensure their sustainability.

The Vice-Chancellor was pleased with the progress made by the three Centres and emphasized the University's support to ensure that the Centres deliver academic and research excellence and also deliver all project deliverables. She mentioned that the ACE for Development Impact project has paved way for higher education and KNUST will continue to create a culture of excellence to maximize the impact of the three Centres. Additionally, KNUST will create an environment to increase female enrolment in STEM disciplines and be a catalyst for sustainability. Ultimately, the institution's relevance to society is important and a key driver for excellence. As much as possible, the University will create a devolution of the Centres to ensure their smooth operations. Professor Salifu lauded the University for its impact in the sub-region and globally. He mentioned that KNUST had trained a lot of individuals of which some Alumni are occupying top positions in the education sector in Ghana. Also, RWESCK was among the top performing ACE's in the ACE 1 project and it was not surprising that the Centre got the nod for ACE for Development Impact project. He hoped, that the same success and impetus will be accorded the ACE for Development Impact project for a greater impact. Dr. Mkandawire commended the University for the support rendered to the Centres and reiterated that the successes of the three Centres are conspicuous. As the regional facilitating unit, the AAU, was ever ready to create that enabling environment for the Centre's to thrive.

Meeting with GTEC, AAU

A joint mission team from the Ghana Tertiary Education Commission (GTEC) and the Association of African Universities (AAU) visited RWESCK to update themselves on progress of project activities and also discuss pertinent challenges. Professor Sampson Oduro-Kwarteng, Centre Director of RWESCK made a presentation on project achievement. From the presentation, RWESCK had achieved its yearly enrolment, publication, externally generated funds and internship targets among others. To respond to the sector needs, RWESCK had commenced the development of Five (5) new programmes; MSc Water Engineering, MSc Environmental Sanitation and Waste Management, MSc Disaster Prevention and Management, MPhil Water Supply and Environmental Sanitation, MPhil Water Resources Engineering and Management. For development impact, RWESCK supported NADMO to evaluate the pre-election simulation exercise. The role of experts from the Centre was to assess the readiness of NADMO to provide WASH in emergency services in case of electoral violence or natural disasters during the elections.

In terms of entrepreneurial training, RWESCK had launched and completed on entrepreneurial training for its students prior to the launch of an entrepreneurial competition. The Centre had launched a summer programme to take place from June to July 2021 to deliver short-courses in the region and also recruit regional students. Professor Mohamed Salifu, Director General of GTEC recommended that the Centre needs to have a standing relationship with a standing working relationship with other developments within the University rather than working unilaterally with faculty members from other Departments. Dr. Mkandawire, Project Manager of the ACE Impact

project lauded the Centre for its achievement. She challenged the Centre to prepare for tracer studies evaluation as the plans are underway to recruit an evaluator. Also, the AAU and World Bank have updated the rubrics for verifying online short courses per the recent operations manual. Dr. Ahmed Jinapor, Deputy Director General of GTEC lauded the Centre's effort in externally generated funds and urged them to attract more funding. He advised the Centre to critically consider its modalities for scholarships in order to attract students from the sub-region. The joint mission team also had a closed-door meeting with Students of the Centre.



Centre Director, Prof. Oduro-Kwarteng making a presentation on RWESCK



Dr. Mkandawire, Project Manager of the ACE for Development Impact project



Professor Mohamed Salifu, Director General of GTEC



Inauguration of Centre Fellows

The Regional Water and Environmental Sanitation Centre Kumasi (RWESCK), hosted by the Department of Civil Engineering at the Kwame Nkrumah University of Science and Technology (KNUST), has inaugurated twelve (12) International and twenty (20) Local fellows on Thursday, 29th April, 2021, at the IDL Conference room.

Inaugurating the fellows, the Dean of the Faculty of Civil and Geo Engineering, Professor Geophrey. K. Anornu on behalf of the Provost of the College of Engineering, urged the fellows to identify thematic areas where they best fit and ultimately contribute towards the development of the Centre.

Inauguration of Centre Fellows

The Centre Director, Professor Sampson Oduro-Kwarteng, stated that RWESCK is a Centre of Excellence set up to scale up graduate studies and research in water and environmental sanitation. The Centre's vision is to be an internationally recognised hub for advancing research, knowledge, developing innovative technologies, providing high quality training and outreach in water, sanitation and hygiene (WASH) for sustainable development of West Africa.

Professor Oduro-Kwarteng mentioned that RWESCK is under the Africa Centres of Excellence (ACE) project with funding from the Government of Ghana through the World Bank to scale-up higher education and research in water and sanitation.



Centre Director Addressing Centre Fellows



Centre Fellows at the Inauguration

He further outlined the collaborative roles and benefits expected as a fellow of the centre.

The Academic-Coordinator, Professor Kwaku Amaning Adjei, also enlightened the fellows on the procedures involved in conducting joint research bringing to bear their practical experiences on the quality of training and research.

After the inauguration, the fellows held a discussion session to address issues relating to research funding, activities of the Centre and also explore current and future opportunities for mutual benefits.

PhD Viva

Two PhD students of RWESCK, Mr. Raphael Nsiah-Gyambibi and Ing. Worlanyo K. Siabi had their PhD Viva Voce on April 28, 2021 at the Graduate School Conference Room. The students successfully passed the Viva and were admitted to the degree of Doctor of Philosophy in their respective specializations. Candidate Raphael Nsiah-Gyambibi presented on the topic “Vermistabilization of Blackwater Using Epigeic Earthworms in Substrate with Organic Material” and was supervised by Dr. (Mrs.) Helen M. K. Essandoh, Ing. Prof. Nana Yaw Asiedu and Prof. Bernard Fei-Baffoe.




Mr. Raphael Nsiah-Gyambibi



Ing. Worlanyo K. Siabi


Also, Candidate Worlanyo K. Siabi (CEO, Community Water and Sanitation Agency) presented on the topic, “Optimization of Iron and Manganese Removal on Point Water System using Activated Carbon from Teak and Shea Wood”. He was supervised by Dr. (Mrs.) Helen M. K. Essandoh, Ing. Prof. Nana Yaw Asiedu and Prof. (Mrs.) Esi Awuah.



KNST

RWESCK

Regional Water & Environmental Sanitation Centre Kumasi



Kwame Nkrumah

University of Science and Technology

Regional Water & Environmental Sanitation Centre Kumasi


PhD VIVA VOCE

TOPIC:
VERMISTABILIZATION OF BLACKWATER
USING EPIGEIC EARTHWORMS IN SUBSTRATE
ENRICHMENT WITH ORGANIC MATERIALS

CANDIDATE:
RAPHEAL NSIAH-GYAMBIBI

DATE: WEDNESDAY, 28TH APRIL 2021
VENUE: CONFERENCE ROOM, GRADUATE SCHOOL
TIME: 09:00 AM


All are cordially invited



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RWESCK

Regional Water & Environmental Sanitation Centre Kumasi



Kwame Nkrumah

University of Science and Technology

Regional Water & Environmental Sanitation Centre Kumasi

PhD VIVA VOCE

TOPIC:
OPTIMIZATION OF IRON AND MANGANESE REMOVAL
ON POINT WATER SYSTEM USING ACTIVATED
CARBON FROM TEAK AND SHEA WOOD

CANDIDATE:
WORLANYO KWADJO SIABI

DATE: WEDNESDAY, 28TH APRIL 2021
VENUE: CONFERENCE ROOM, GRADUATE SCHOOL
TIME: 09:00 AM

All are cordially invited



Local & International WASH News

Local WASH News

I'll Do Everything In My Power To Fight Galamsey This Second Term – Akufo-Addo

by Jonas Nyabor

The President, Nana Addo Dankwa Akufo-Addo has, for the umpteenth time, indicated his commitment to fighting the phenomenon of illegal small-scale mining, commonly known as galamsey in Ghana.

He said he will do everything within his power to.....

[click on the link for full story](#)



<https://citinewsroom.com/2021/04/ill-do-everything-in-my-power-to-fight-galamsey-this-second-term-akufo-addo/?fbclid=IwAR2SyQIo1VgCTh1pwsqLbau9FPvONHQyreNpt53srtkYBYKzXialhVS1pOk>

[Accessed on April 23, 2021]



Galamsey fight: We'll soon provide roadmap on military deployment – Oppong Nkrumah

by Ernest Arhinful

The Minister of Information, Kojo Oppong Nkrumah, says government will soon roll out a sustainability programme on the deployment of soldiers to flush out illegal miners operating in the country's water bodies.

According to him, this measure is meant to help the government deal with illegal mining issues conclusively....



click on the link for full story

<https://citinewsroom.com/2021/04/galamsey-fight-well-soon-provide-roadmap-on-military-deployment-oppoing-nkrumah/?fbclid=IwAR1mlxNvjsKQWnAN8DJIsP69hhclv4bclVRVeDZw8dM3hlm5MLCwlqNK-mpY>

[Accessed on April 29, 2021]

Water: the game changer for food systems

The culminating Summit gathering will take place in New York in September 2021 in conjunction with the UN General Assembly. This will be preceded by a pre-Summit gathering in Italy in July 2021.

The Food Systems Summit Dialogues will offer a powerful opportunity for people everywhere to have a seat at the table at this milestone UN Summit. Dialogues will bring together a diversity of stakeholders, including voices that are seldom heard, and provide an important opportunity for participants to debate, collaborate, and take action towards a better future....



click on the link for full story

<https://www.unwater.org/water-the-game-changer-for-food-systems/>

[Accessed on April 08, 2021]

At least 10% of the world's population is thought to consume food irrigated by wastewater.

Students' Spotlight

Ministry of Health (MOH) must establish a national Environmental Health Research Centre (NEHRC) in Ghana Post Covid-19 Era

By Samuel Yaw Agyemang-Badu
(MSc Batch 4)



Environmental Health is the branch of Public Health that is concerned with all aspects of the natural and built environment that may affect human health. According to the World Health Organization, in its broadest sense, Environmental Health comprises those aspects of human health, disease, and injury that are determined or influenced by factors in the environment. Environmental Health also refers to the theory and practice of assessing, correcting, controlling and preventing those factors in the environment that can potentially affect adversely the health of present and future generations. It is noted however that, Environmental Health addresses all the physical, chemical, and biological factors external to a person, and all the related factors impacting behaviours. It encompasses the assessment and control of those environmental factors that can potentially affect health. It is targeted towards preventing disease and creating health-supportive environments.

The objects of the Environmental Health Profession are; to assess, correct, control and prevent those factors in the environment that can potentially affect adversely the health of present and future generations; to preserve, protect, and improve the quality of life for human beings; to control those elements of the environment which cause, or may cause deleterious effects to the health and well-being of human populations or to the food and drink, lands, waters,

atmosphere, shelter and other resources upon which humanity is dependent for survival; to prevent and control infectious, communicable and non-communicable diseases which have afflicted humankind through the centuries.

click on the link for full story

<https://www.modernghana.com/news/1066973/ministry-of-health-moh-must-establish-a-national.html>

[Accessed on March 10, 2021]

Upcoming Conferences

Responding to crises: Changing climate and evolving pandemics

<https://www.susana.org/en/news-and-events/sanitation-events/upcoming-events>
24 May. 2021 - 28 May. 2021

IWA Digital World Water Congress

<https://www.susana.org/en/news-and-events/sanitation-events/upcoming-events>
24 May. 2021 - 04 Jun. 2021

6th International Faecal Sludge Management Conference (FSM6)

<https://www.susana.org/en/news-and-events/sanitation-events/upcoming-events>
31 May. 2021 - 03 Jun. 2021

International Conference on Sustainable Water Management (ICSWM)

Accra, , Ghana
04 Jun. 2021 - 05 Jun. 2021
<https://conferencealert.com/ghana.php>

WASH in Emergencies

<https://www.susana.org/en/news-and-events/sanitation-events/upcoming-events>
20 Jun. 2021 - 24 Jun. 2021

World Water Week 2021

<https://www.susana.org/en/news-and-events/sanitation-events/upcoming-events>
23 Aug. 2021 - 27 Aug. 2021

42nd WEDC International Conference

<https://www.susana.org/en/news-and-events/sanitation-events/upcoming-events>
13 Sep. 2021 - 15 Sep. 2021

2021 Water and Health: Science, Policy and Practice

<https://www.susana.org/en/news-and-events/sanitation-events/upcoming-events>
04 Oct. 2021 - 08 Oct. 2021

4th Global WOPs Congress - Call for Expressions of Interest now open

<https://www.susana.org/en/news-and-events/sanitation-events/upcoming-events>
18 Oct. 2021 - 29 Oct. 2021



About Us

Mission

To provide an environment for teaching, research and mentorship training in water and sanitation, Science and Technology for the industrial and socio-economic development of Ghana, Africa and other nations through attracting scholars, industrialists and entrepreneurs from other international communities.

Vision

Our vision seeks to advance knowledge in Water and Environmental Sanitation, Science and Technology for sustainable development in Africa, and to be globally recognized as a Centre of Excellence for producing high caliber graduates with knowledge and expertise in water resources, water supply and environmental sanitation to support the industrial and socio-economic development of Ghana and Africa.



Prof. Sampson Oduro-Kwarteng **Centre Director**



Prof. Geophrey K. Anornu **Deputy Director**

Centre Programmes

PhD PROGRAMMES

PhD Water Resources Management
PhD Water Supply and Treatment Technologies
PhD Environmental Sanitation and Waste Management

MSc PROGRAMMES

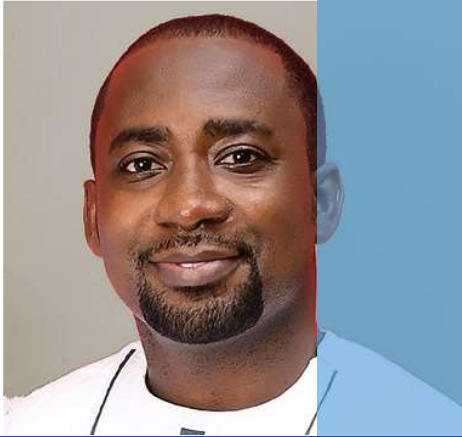
MSc Water Supply and Environmental Sanitation
MSc Water Resources Engineering and Management

*NEW PROGRAMMES

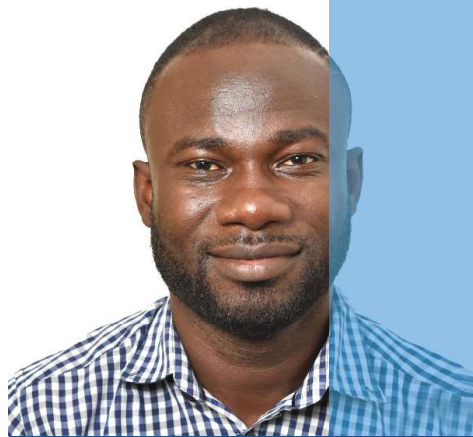
MSc Water Engineering
MSc. Environmental Sanitation and Waste Management
MPhil Water Supply and Environmental Sanitation
MPhil Environmental Sanitation and Waste Management
MSc Disaster Prevention and Management

**These programmes are currently being developed*

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