



# KeSEBAE NEWS



Newsletter of the Kenya Society of Environmental, Biological and Agricultural Engineers

Volume 5. No. 3

17 April 2023

## KeSEBAE For You

By: Yvonne Madahana



From Left: Eng. Prof. Lawrence Gumbe Presenting a Copy of Journal of Engineering in Agriculture and Environment to Florian Lux of UN-Habitat During a Courtesy Visit.

Kenya Society of Environmental, Biological and Agricultural Engineers (KeSEBAE) (formerly the Kenya Society of Agricultural Engineers) is a professional society dedicated to the advancement of science and the art of engineering in environment, food, energy, water and related fields. Our vision is to promote and advance the development of our member's profession in Kenya and beyond. We seek to become a key knowledge partner and visible policy advocate on the role of engineering and technology in the transformation and industrialization of the environment, food, energy and water towards achieving sustainable development in Kenya.

### DEAR READER

*Welcome to KeSEBAE Newsletter.*

*A fortnightly Newsletter touching on topical issues affecting our environment.*

*KeSEBAE NEWS is a Newsletter of the Kenya Society of Environmental, Biological and Agricultural Engineers (KeSEBAE)*

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*Call for Membership*

Since 1972 when it was formed, the Society has engaged in the following:

#### **i. Advocacy**

KeSEBAE advocate for policies, laws and practices that protect environment, support human development and improve the well-being of society generally. It also advocates the welfare of its members.

#### **ii. Training and Mentorship**

The society is an accredited Continuous Professional Development (CPD) provider by Engineering Board of Kenya (EBK), this enables it to promote professional development through several means such as educational webinars, excursions, annual internal conferences among others.

Our Society is committed to promoting professional development among its members, ensuring they remain abreast with current technologies and practices. The Society currently runs a mentorship programme aimed at having its young members attain registration as professional engineers recognized in Kenya and abroad.

It also supports initiatives by sister institutions such as the Pan African Society of Agricultural Engineers (PASAE).

#### **iii. Publications**

##### **JEAE**

Journal of Engineering in Agriculture and Environment, JEAE, is a quality peer reviewed journal that KeSEBAE published quarterly in the following areas; the environment, agriculture, biology-based production and processing industries. JEAE has been in circulation since 2003, it has both ISSN and Crossref recognition and is duly indexed in google scholar.

##### **KeSEBAE NEWS**

KeSEBAE News is a monthly newsletter where members of the Society discuss topical issues of concern to their various professions. The newsletter provides regular updates to members and community generally on day to day activities of the Society.

#### **iv. Offer Technical Expert**

The Society has a pool of well-educated and trained engineers and scientists, it therefore provides technical expertise for those in need of consulting engineering services and public policy professionals.

KeSEBAE offers consultancy services in the following fields:

- Agroprocessing and Value Addition
- Farm Equipment Appraisals
- Environmental Impact Assessment
- Machinery Systems
- Earth Dams
- Education, Outreach and Professional Development
- Farm Roads
- Plant, Animal and Facility Systems
- Renewable Energy
- Ergonomics Safety and Health
- Irrigation Development
- Information Technology, Sensors and Control Systems
- Soil and Water Conservation
- Energy Audits

#### **v. Organizing of Events**

##### **a. Conferences**

KeSEBAE hosts conferences annually. The conference provides an opportunity to share engineering knowledge, fill in gaps, identify new questions and develop commitments to operationalize knowledge into meaningful actions addressing some of Kenya's and the world's major engineering challenges. During the conference, you can attend and participate by presenting papers relevant to the themes outlined.

##### **b. Webinars**

KeSEBAE holds a number of webinars throughout the year that discuss relevant topics in engineering life. The webinars are very fundamental because they impact knowledge and support professional growth.

#### **Membership**

The society's biggest resource are its members, the membership of KeSEBAE is derived from individuals and institution with interest in Agriculture, Environment, and Biological Engineering.

Society has the following categories of membership:

- Honorary Member
- Fellow Member
- Corporate Member
- Associate Member
- Affiliate Member
- Student Member

However, the membership is diverse to enhance professional standing, professional knowledge and your professional networks. Therefore, it accommodates other engineering sectors such as Chemical engineers, Mechanical engineers among others. It also serves other non- engineering professions in the category of affiliate members who are interested in matters of environment, food, energy, water, biology-based production processing, management systems and agriculture; such as agronomists.

### **Why Join KeSEBAE**

#### **i. Excellent Track Record**

KeSEBAE continues to foster harmony throughout the environment, biological and agricultural engineering profession.

#### **ii. Advancing Value**

As a society, we advance the value of our member and establish their positions in the industry.

#### **iii. Professional Standard**

To maintain professional standards as legally required and as outlined in the code of ethics of the National Society of Professional Engineers. KeSEBAE is an Accredited Continuous Professional Development (CPD) provider by EBK.

Furthermore, KeSEBAE offers numerous opportunities for professional development, including workshops,

training sessions and conferences. These events cover a wide range of topics, from the latest technological advances in environmental engineering to sustainable farming practices. By attending these events, you can stay up-to-date with the latest trends and best practices in your field and gain valuable knowledge and skills that can enhance your career. KeSEBAE supports the honour, integrity and interests of engineering professionals by consistently supporting the high standards of engineering regulations, promoting the growth of professionals in Kenya and instilling public trust.

#### **iv. Networking Opportunities**

Being part of KeSEBAE gives you the opportunity to connect with other engineers who share your interests and goals. Through the society's meetings, events and online platforms, you can build relationships with professionals in your field, learn from their experiences, and collaborate on projects that benefit the environment, agriculture and biology.

#### **v. Access to Resources**

As a member of KeSEBAE, you will have access to a wealth of resources that can help you in your work. These include research papers, case studies and technical reports on a variety of environmental, biological and agricultural topics. You can also tap into the expertise of other members to get advice on specific challenges you may be facing in your projects.

#### **vi. Advocacy and Public Awareness**

KeSEBAE is committed to advocating for policies and practices that promote environmental sustainability, biological conservation, and agricultural development. By joining public awareness about these issues and influence policy decisions at the local, regional and national levels.

#### **vii. Opportunities to Give Back**

KeSEBAE also provides opportunities for members to give back to their communities through various outreach programs. For example, the society has organized tree planting campaigns, clean-up events, and educational programs for local schools. By participating in these

initiatives, you can make a meaningful impact on the environment and society.

### viii. Chapters

#### Young Engineering Chapter

The Young Engineers Chapter is a lobby platform for our junior engineers. The Chapter was created to encourage the large number of upcoming professionals in the relevant fields find a voice for advocacy on issues pertinent to them.

#### Women Engineering Chapter

Women's Chapter is a network of women engineers, scientists and technologists. KeSEBAE Women's Chapter

is focused on members working together to empower women and young girls to achieve their potential as scientists, engineers and leaders.

To get involved with KeSEBAE you can:

1. Become a member. Register via [www.kesebae.or.ke](http://www.kesebae.or.ke)
2. Publish in our JEAE and KeSEBAE News
3. Sponsor events:
  - Conference
  - Publications of JEAE and KeSEBAE News
  - Industrial Visits
  - CPD Training
  - Cocktails

## KeSEBAE Courtesy Visits

KeSEBAE paid courtesy visit to the United Nations Human Settlements Programme (UN-Habitat) on 15 March 2023. The Chairperson together with his team met with Florian Lux Representative from UN Habitat regional office and Simon Okoth, from the Department of Urban Development. UN-Habitat agreed to steer the conversation with their Executive Director and their colleagues to support collaboration in areas mention to them by the Society.



*From Left: Eng. Prof. Lawrence Gumbe, Florian Lux, Eng. Prof. Duncan Mbuge, Eng. Jedidah Maina, Yvonne Madahana, Simon Okoth and Claudia Bess During Courtesy Visit at UN-Habitat*

# JOINT INTERNATIONAL ANNUAL CONFERENCE 2023

**THEME: Engineering Agenda 2063:  
The Africa We Want**

AGENDA 2063 is Africa's blueprint and master plan for transforming Africa into the global powerhouse of the future.



Wed 6 – Fri 8 Dec 2023



Nairobi

**EARN  
20 CPD  
POINTS**

## SUB-THEMES

1. Seamless connections (Roads, Railways, Air Transport and Water Transport)
2. Energy for Africa
3. Industrialized Agriculture
4. Housing
5. Free Trade in Services
6. Security
7. Sustainable Environment
8. Engineering Education and Practice

## KEY DATES:

- Abstract Submission:** 11 Oct 2023  
**Paper Submission:** 10 Nov 2023  
**Payment Deadline:** 25 Oct 2023

## CHARGES

- Members:** KES 15,000 (\$150)  
**Non Members:** KES 20,000 (\$200)  
**Undergrad Students:** KES 2,000 (\$20)  
**Field Visit:** KES 5,000 (\$50)  
**Virtual:** KES 5,000 (\$50)

## Bank Payment Mode

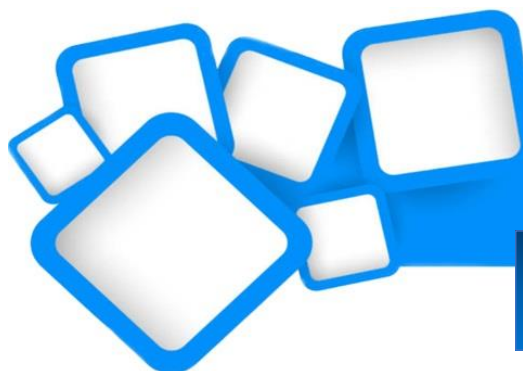
**Absa Bank:** Nairobi University Express Branch  
**Account Name:** Kenya Society of Environmental, Biological and Agricultural Engineers  
**Account Number:** 2038150696

## Mpesa Payment Mode

**Paybill:** 4002575  
**Account No:** Full Name

## Contact Details

**Call:** 0788712156  
**Email:** info@kesebae.or.ke  
**Web:** www.kesebae.or.ke



# Call for Papers

## To the Next Editions of the JEAE

## JEAE

### *Journal of Engineering in Agriculture and the Environment*

The Journal of Engineering in Agriculture and the Environment (JEAE) is a Publication of the Kenya Society of Environmental, Biological and Agricultural Engineers (KeSEBAE) through which researchers in the fields of Environment, Agriculture and related fields share research information and findings with their peers from around the globe.

The JEAE Editorial Board wishes to invite interested researchers with complete work in any relevant topic, to submit their papers for publication in the next editions of the Journal.

Manuscripts may be submitted online or via email to:

**Prof. Lawrence Gumbe**, Chairperson, JEAE Editorial Board

Via Email: [info@kesebae.or.ke](mailto:info@kesebae.or.ke) or online via: [https://www.kesebae.or.ke/journal/manuscript\\_submit.php](https://www.kesebae.or.ke/journal/manuscript_submit.php)

## Criteria for Article Selection

Priority in the selection of articles for publication is that the articles:

- a. Are written in the English language
- b. Are relevant to the application of engineering and technology in agriculture, the environment and biological systems
- c. Have not been previously published elsewhere, or, if previously published are supported by a copyright permission
- d. Deals with theoretical, practical and adoptable innovations applicable to engineering and technology in agriculture, the environment and biological systems
- e. Have a 150 to 250 words abstract, preceding the main body of the article
- f. The abstract should be followed by the list of 4 to 8 "Key Words"
- g. Manuscript should be single-spaced, under 4,000 words (approximately equivalent to 5-6 pages of A4-size paper)
- h. Should be submitted in both MS word (2010 or later versions) and pdf formats (i.e., authors submit the abstract and key words in MS Word and pdf after which author uploads the entire manuscript in MS word and pdf)
- i. Are supported by authentic sources, references or bibliography

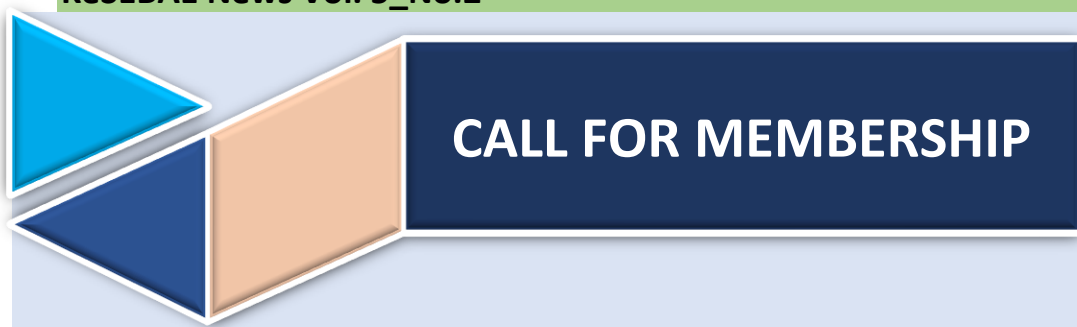
**Our Expert Reviewers are Highly Regarded Globally and Provide Fast and Rigorous Review Services** For additional details and online support visit: <https://www.kesebae.or.ke/journal/instructions.php> or visit our JEAE website at: <https://www.kesebae.or.ke/journal/>

## CALL FOR ARTICLES TO KeSEBAE NEWS

**KeSEBAE NEWS Editorial** wishes to call for topical articles for publication in future editions of KeSEBAE NEWS.

Please transmit the same to the **Editor: Ezekiel Oranga** via Email: [info@kesebae.or.ke](mailto:info@kesebae.or.ke)

**NOTE:** A payment will be made to the author of each selected article



### Be a KeSEBAE Member:

The annual subscription fees, admission fees and reinstatement fees for members of all grades (except Honorary and Life Members who shall pay no dues or fees) are indicated below: The annual dues are as follows:

Membership Category	Annual Subscription (KES)	Admission Fees (KES)	Reinstatement Fees (KES)
<i>Fellow</i>	5,000	1,000	2,000
<i>Member</i>	2,000	1,000	2,000
<i>Ass.Member</i>	1,000	1,000	2,000
<i>Aff.Member</i>	500	1,000	2,000
<i>Student</i>	300	100	-

### Membership Renewal

Members of all grades are requested to renew their 2022 membership as follows.

Membership Category	Annual Subscription Fee (KES)
<i>Fellow</i>	5,000
<i>Member</i>	2,000
<i>Ass. Member</i>	1,000
<i>Aff. Member</i>	500
<i>Student Member</i>	300

Follow Us on Social Media:



<https://twitter.com/kesebae1>



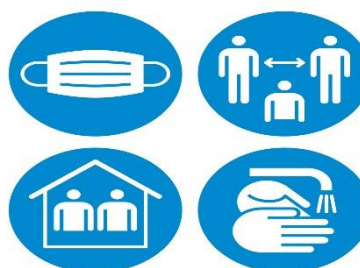
<https://web.facebook.com/kesebae1/>

### PAYMENT DETAILS

Bank	
Bank	Absa Bank Kenya Plc
Branch	Nairobi University Express Branch
Account Name	Kenya Society of Env. Bio. & Agric. Engineers
Account No.	2038150696
Swift Code	BARCKENX
Currency	Kenya Shillings

### M-PESA DETAILS

Pay Bill No.: 4002575  
Account No: Your Full Name



Important Links	
KeSEBAE	<a href="https://www.kesebae.or.ke/">https://www.kesebae.or.ke/</a>
JEAE	<a href="https://www.kesebae.or.ke/journal/">https://www.kesebae.or.ke/journal/</a>
EBK	<a href="https://ebk.or.ke/">https://ebk.or.ke/</a>
IEK	<a href="https://www.iekenya.org/">https://www.iekenya.org/</a>
PASAE	<a href="http://www.pasae.org.za/">http://www.pasae.org.za/</a>
Email	<a href="mailto:info@kesebae.or.ke">info@kesebae.or.ke</a>