



## CURRICULUM VITAE

### PERSONAL INFORMATION

FIRST NAME/SURNAME

**HERBERT SSEMWANGA**

Address

Makerere University  
College of Natural Sciences,  
Department of Chemistry  
P. O. Box 7062- Kampala, (Uganda)

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Nationality

Ugandan

Date of birth

8 /November / 1984

Gender

Male

### PROFESSIONAL SUMMARY

Dynamic and results-oriented professional with extensive experience in both academic and industrial settings, notably at Makerere University and Uganda Industrial Research Institute. Excelled in mentoring, research, and face-to-face teaching, significantly enhancing student and staff development. Skilled in examining and grading, with a proven track record in improving educational and production processes through meticulous research and analysis.

### EDUCATION

Year	Institution	Award
2024	Makerere University	PhD in Chemistry (Still on-going)
2021	Kyambogo University	Master of Science in Chemistry
2011	Kyambogo University	Bachelor of Science Technology - Chemistry
2008	Kyambogo University	Ordinary Diploma in Science Technology - Chemistry
2005	Kako Secondary School	Uganda Advanced Certificate of Education (UACE)
2002	Mawanda Hill Secondary School	Uganda Certificate of Education (UCE)
1998	Kako Primary School	Primary Leaving Examination (PLE)

## **SKILLS**

- ❖ Online Teaching
- ❖ Face to face teaching.
- ❖ Examining and grading students.
- ❖ Mentoring and giving students career guidance.
- ❖ Research and analysis.

## **EMPLOYMENT**

**November 2023 to date**

*Name and address of employer*

*Type of business or sector*

*Main activities and responsibilities*

### **Assistant Lecturer**

**Makerere University, College of Natural Sciences,  
Department of Chemistry, Kampala Uganda.**

Government Academic Institution.

To Assist Senior Lecturers and Lecturers in conducting well researched and prepared lectures to undergraduate students.

- Teach, examine and grade students.
- Supervise research for students.
- Mentor of junior staff.
- Conduct research and community outreach activities.
- Write proposals for attracting funding to the Department.
- Perform any other related duties as may be assigned by the Head of Department.

**March 2023- November 2023**

*Name and address of employer*

*Type of business or sector*

*Main activities and responsibilities*

### **Assistant Lecturer (Part-time)**

**Kyambogo University  
Department of Mining, Chemical and Petroleum Engineering.  
Department of Chemistry  
Kyambogo Kampala Uganda.**

Government Academic Institution

To assist Senior Lecturers and Lecturers in conducting well researched and prepared lectures to undergraduate students.

- To prepare lectures and conducting lectures to undergraduate students.
- To set tests, examinations and coursework according to university standards.
- To mark tests and examinations scripts and compile results according to grading standards of the university.
- To administer and invigilate tests, examinations and coursework according to university standards.

**January 2023- November 2023**

*Name and address of employer*

*Type of business or sector*

*Main activities and responsibilities*

- To supervise student undertaking research in line with the university's guidelines and regulations.
- To mentor junior staff in academic growth and research in line with the university policy.
- To carry out administrative duties that may be assigned by the head of department from time-to -time.

**Production Manager**

***Brentec Investments Ltd, Kampala Uganda.***

Private Pharmaceutical Manufacturing Company.

- Management of the production schedule including setting of work timetables, raw material and supply requests as well as coordinating with the quality control department.
- Supervise vaccine production processes from raw materials to finished product following cGMP procedures and protocols.
- Supervise product, process and equipment validation including but not limited to process qualifications, equipment qualification and stability studies on finished product.
- Verify active participation in the daily pharmaceutical quality system activities with regards to record keeping and documentation by subordinate staff.
- Verify active participation in Laboratory Safety and Management including but not limited to equipment calibration, facility cleaning, fumigation and regular preventive maintenance activities by subordinate staff.
- Initiate Performance Qualification of processes and equipment to identify critical process control points for improvement of the production process.
- Supervise and train subordinate personnel.
- Meet all customer expectations including external and internal customers.
- Supervise field activities including but not limited to data collection, trade shows, pharmacovigilance studies, product recalls and marketing activations when requested.
- Assist in activities related to product development as requested by the Head of Research and Development.
- Develop and maintain the production schedule for every batch.
- Carry out training assessment of all subordinate personnel.
- Prepare annual product performance review for discussion by management as part of the annual quality review process.
- Carry out performance evaluations for all subordinate personnel.

**March 2013 – July 2022**

*Name and address of employer*

*Type of business or sector*

*Main activities and responsibilities*

**Vaccine Production Officer**

**Vaccine Production Laboratories, Uganda Industrial Research Institute, Kampala Uganda.**

Government Institution

- Team leading and participating vaccine production processes from raw materials to finished product following cGMP procedures and protocols.
- Participate in product, process and equipment validation including but not limited to process qualifications, equipment qualification and stability studies on finished product.
- Participation in the daily pharmaceutical quality system activities with regards to record keeping and documentation
- Active participation in Laboratory Safety and Management including but not limited to equipment calibration, facility cleaning, fumigation and regular preventive maintenance activities.
- Performance Qualification of processes and equipment to identify critical process control points for improvement of the production process.
- Supervise and train subordinate personnel.
- Meet all customer expectations including external and internal customers.
- Assist in activities related to product development as requested by the Head of Research and Development.

**March 2011 – February 2013**

*Name and address of employer*

*Type of business or sector*

*Main activities and responsibilities*

***Vaccine Production Assistant.***

**Vaccine Production Laboratories, Uganda Industrial Research Institute, Kampala Uganda.**

Government Institution

- Participating in vaccine production processes from raw materials to finished product following cGMP procedures and protocols.
- Participate in product, process and equipment validation including but not limited to process qualifications, equipment qualification and stability studies on finished product.
- Participation in the daily pharmaceutical quality system activities with regards to record keeping and Documentation.
- Participation in Laboratory Safety and Management including but not limited to equipment calibration, facility cleaning, fumigation and regular preventive maintenance activities.
- Meet all customer expectations including external and internal

**February 2010 – February 2011**

*Name and address of employer*

*Type of business or sector*

*Main activities and responsibilities*

customers.

**Vaccine Production Trainee**

**Vaccine Production Laboratories, Uganda Industrial Research Institute, Kampala Uganda.**

*Government Institution*

- Acquire and develop knowledge in vaccine production processes from raw materials to finished product following cGMP procedures and protocols.
- Acquire and develop knowledge in product, process and equipment validation including but not limited to process qualifications, equipment qualification and stability studies on finished product.
- Acquire and develop knowledge in the daily pharmaceutical quality system activities with regards to record keeping and documentation.
- Acquire and develop knowledge in Laboratory Safety and Management including but not limited to equipment calibration, facility cleaning, fumigation and regular preventive maintenance activities.

**February 2009 – December 2009**

*Name and address of employer*

*Type of business or sector*

*Main activities and responsibilities*

**Chemistry Teacher**

**St. Mary's College Lugazi, Buikwe Uganda.**

*Private secondary school.*

- Teaching, examining and grading students in the Chemistry subject from S1 to S5.
- Conducting Chemistry Practicals.
- Assessing students in the Chemistry subject.
- Making lesson plans and schemes of work for Teaching Chemistry to students

**February 2006- December 2006**

*Name and address of employer*

*Type of business or sector*

*Main activities and responsibilities*

**Chemistry and Maths Teacher**

**Mawanda Hill Secondary school, Masaka Uganda.**

*Private secondary school.*

- Teaching, examining and grading students in the Chemistry and Maths subjects from S1 to S3.
- Conducting Chemistry Practicals.
- Making lesson plans and schemes of work for Teaching Chemistry and Maths to students.

## **ACCOMPLISHMENTS**

- ❖ Attending and completing The Scientific Teaching Workshop for STEM faculty on 21/May/2024 to 23/May/ 2024 at Makerere University school of Education. This was conducted by a Team from Brigham Young University, USA.
- ❖ Veterinary Vaccines Technology training in manufacturing veterinary drugs and vaccines at Multi Chemical Industries- Mohammedia, Morocco on 5/ May/2014 to 14/May/2014.

## **COMPUTERS SKILLS**

### **LEADERSHIP ACHIEVEMENTS**

Highly computer literate with excellent skills in Microsoft Word, Excel, PowerPoint, Internet applications, Database plus others.

- ❖ Vice Chairman, Career guidance and networking committee, East African Young Water Professionals
- ❖ Vice Chairman, Chemistry Technology Students Association, Kyambogo University
- ❖ Publicity Secretary, Biotech and Research Club, Kyambogo University
- ❖ Chapel Treasurer, Kako Secondary School
- ❖ Organizing Secretary, Scripture Union, Kako Secondary School
- ❖ Academic Prefect, Mawanda Hill Secondary School

## **SOCIAL SKILLS AND HOBBIES**

## **PERSONAL REFEREES**

Reading Scientific literature, playing football, chess, watching science documentaries, Swimming, Travelling and making friends.

### **Dr. Ivan Gumula**

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Head of Department

Department of Chemistry, Faculty of Science, Kyambogo University  
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### **Dr. William Wanasolo**

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Head of Department.

***DECLARATION***

Department of Mining, Chemical & Petroleum Engineering, Faculty of Science, Kyambogo University.

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**Dr. Justus Masa**

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Senior Lecturer,

Department of Chemistry, Faculty of Science, Kyambogo University

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I hereby declare and certify that the information given above is true and correct to the best of my knowledge.

Sign: .....



..... Date.....03/ Feb/2025.....