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Hyderabad, Telangana, India

SIMON H. NYEMA

SUMMARY

A microbiologist with a strong commitment to quality and a strong work ethic who has experience delivering measurable results that meet the needs of the position and the deadline.

EXPERIENCE

Microbiologist

Rapture Biotech, Hyderabad

February 2023 – Present

- Performing laboratory experiments used to diagnose and treat illnesses.
- Supervise biological technicians and their work to evaluate the accuracy of their results.
- Isolate bacteria and other microorganism cultures for future study.
- Classify microorganisms found in collected specimens for future reference.
- Monitor the effects of microorganisms on animals, plants and the environment.
- Research the findings of other scientists and attend conferences to stay up-to-date.
- Publish research papers and technical reports of your findings.
- Present findings to other scientists, engineers, executives and the public.

Biology Instructor

Noah's Ark High School, Monrovia

September 2015 – July 2019

- Worked with Science department Head to develop and modify curriculum for Biology programme to customise lesson plans for students.
- Developed individualised support plans for students struggling to understand fundamental biological theories and concepts.
- Assigned projects, quizzes and homework to measure progress and skills of students.
- Delivered assessment marking and yearly reports on time and within deadlines to relay progress and developments to principal.
- Enforced classroom rules to instil discipline and avoid disruptive behaviour.
- Provided materials and resources for students to prepare and equip for science fairs, competitions and expos.
- Maintained positive relationships and communication channels with parents and guardians to increase participation and morale support for students.
- Observed students to determine academic needs, capacity and areas requiring additional guidance, providing extra attention and care.
- Reprimanded unruly student behaviour to enforce discipline and comply with school conduct code.
- Supervised safe lab work, closely monitoring student's adherence to all health and safety policies.
- Undertook evaluations to measure performance and progress of students, offering direction and coaching to improve outcomes.

SKILL HIGHLIGHTS

- Problem-Solving
- Attention to Detail
- Communication
- Observation Skills
- Organizational Skills
- Strong decision maker
- Complex problem solver
- Innovative
- Service-Focused
- Project management

LANGUAGES

- English

NATIONALITY

- Liberian

HOBBIES

- Reading
- Singing
- Dancing
- Travelling
- Jogging
- Making new friends
- Listening to Music
- Cooking
- Football
- Sports
- Cycling

KEY STRENGTHS

- Critical thinking and reasoning
- Scientific and numerical skills
- Patience and flexibility
- Teamwork skills
- Determination
- Oral and written communication

COMMUNICATION AND INTERPERSONAL SKILLS

- Active listening
- Being able to understand and empathize with others
- Managing conflict
- Building lasting relationships
- Teamwork
- Motivating others
- Leadership

DIGITAL SKILLS

- Microsoft office
- Microsoft Excel
- Microsoft PowerPoint
- Microsoft Word

EDUCATION

MSc. Microbiology

Osmania University [02/03/2021 – 15/10/2022]

Address: Hyderabad, Telangana India

Website: <https://www.osmania.ac.in/>

BSc. Biological Sciences

University of Liberia [19/12/2019]

Address: Capitol Hill, Monrovia, 9020 Liberia

Website: <https://www.osmania.ac.in/>

High School Diploma/WAEC Certificate

Henri Wilmot Dennis United Methodist School [18/09/2010]

Address: Topoe Village, Lower New Georgia, 100010 Monrovia (Liberia)

PROFESSIONAL TRAINING

Rapture Biotech

Hyderabad, Telangana, India

Training and hands on Laboratory skills in the following areas:

- Bioinformatics
- Microbiology
- Molecular Techniques
- Natural Product Research
- Food Technology
- Biochemistry
- Enzymology
- Pharmaceutical Microbiology
- Immunology
- Quality Analysis and Control skills
- Molecular Disease Diagnostic
- Recombinant DNA Technology
- Pharma Quality Control and Quality Assurance
- Industrial Microbiology
- Medical and Clinical Microbiology
- Food Microbiology
- Fermentation technology

PROFESSIONAL CERTIFICATES

UYRI-TECH GLOBAL TRAINING & CERTIFICATION

[02/02/2023]

Industrial Training on Food Microbiology Techniques

UYRI-TECH GLOBAL TRAINING & CERTIFICATION

[05/02/2023]

Industrial Training on Water Analysis (Microbiology)

CERTIFICATE OF PARTICIPATION

[21/09/2022 – 23/09/2022]

62 Annual International Conference of Association of Microbiologists of India (AMI)

CERTIFICATE OF PARTICIPATION

[27/06/2022]

National Seminar on " Ascent of Microbiome Research for Nutrition and Health" Organized by the Department of Microbiology, University College of Science, Osmania University

CERTIFICATE OF PARTICIPATION

[30/03/2022]

"VISUALIZATION OF IHC/IIC STAINING MULTICOLOR LABELS BY FLUORESCENCE MICROSCOPY" Sponsored

by OU-DST PURSE - II Organized by the Department of Genetics & Biotechnology, Central Facilities for Research and Development (CFRD) Osmania University, Hyderabad - 500007

CERTIFICATE OF PARTICIPATION

EDU FABRICA BIOLOGICAL TRAINING PROGRAM

- **BIOCHEMISTRY TECHNIQUES**

CERTIFICATE OF PARTICIPATION

EDU FABRICA BIOLOGICAL TRAINING PROGRAM

- **GENOMICS & PROTEOMICS**

CERTIFICATE OF PARTICIPATION

EDU FABRICA BIOLOGICAL TRAINING PROGRAM

- **MOLECULAR BIOLOGY & BIOCHEMISTRY TECHNIQUES**

CERTIFICATE OF PARTICIPATION

EDU FABRICA BIOLOGICAL TRAINING PROGRAM

- **VACCINE TECHNOLOGY**

TECHNICAL LABORATORY SKILLS

MICROBIOLOGY:

- Biosafety
- Gram stains
- ELISA
- Preparation of bacterial smears
- Aseptic technique
- Handling microorganisms
- Laboratory Maintenance
- Sterilization Techniques
- Microscopy
- DNA Extraction

MOLECULAR BIOLOGY

- Competent cell preparation using E-coli.
- RT-qPCR, cDNA synthesis.
- Chromatin immunoprecipitation.
- Chromatin isolation.
- DNA and RNA isolation & Quantification.

ANALYTICAL BIOCHEMISTRY

- SDS PAGE for protein purification.
- Agarose gel electrophoresis for nucleic acid purification.
- Immuno-techniques like western blotting and ELISA.
- Protein estimation by BCA assay.

CELL CULTURE

- Cell based assay including Alamar blue, MTT and ROS generation.
- Flow cytometry for cell cycle analysis and apoptotic assay.
- Cell culture lab maintenance.

MSc. PROJECT

Exploring the Biological Properties of *Rhodiola rosea* (Golden roots)

The aim of the project was to determine the antioxidant, antibacterial, anti-inflammatory, antifungal, hemolytic, and anticancer activities of *Rhodiola rosea* (methanolic dry extracts) in relation to the phytochemical analysis of phenolic compounds.

REFEREES

Dr. Sandeepa Burgula

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