

# DESMOND AZEKO ASATI

**Nationality:** Ghanaian

**Date of Birth:** 17/12/1983

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## RESEARCH INTERESTS

I am a Petrochemical Engineer and an occupational safety and environmental health professional with research interest cutting across environmental toxicology and public health (especially on the adverse effects of exposure to environmental toxicants on human), workplace safety, human health and, ergonomics and stress management.

## ACADEMIC QUALIFICATIONS

**M.P.H** (Occupational and Environmental Health and safety)

January, 2021 – December, 2023

Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

[Thesis: Food safety knowledge and practices among raw meat handlers and the microbial content of raw meat sold at Kumasi Abattoir Butchery Shops in Kumasi, Ghana]

**M.Phil.** (Petrochemical engineering)

September 2012 – June 2014

Gubkin Russian State University of Oil And Gas, Moscow, Russia

[Thesis: Improving the properties of biodiesel with the use of additives]

**B.Sc.** (Chemistry)

August 2005 – June 2009

Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

[Thesis: Laboratory Synthesis of N,N'-diethyl-m-toluamide (DEET), a mosquito repellent, from m-toluic acid]

## WORK EXPERIENCE

**AUGUST 2024 - DATE:**

**Assistant Lecturer, Department of Fire, Safety and Disaster Management, University of Energy and Natural Resources - Sunyani, Bono Region, Ghana**

**Key Responsibilities:**

- ❖ Delivering lectures, seminars, and tutorials on assigned courses
- ❖ Supervising undergraduate students' research projects or theses
- ❖ Conducting original research in their field of Occupational Health and Safety and publishing findings in peer-reviewed journals, books, or conference proceedings
- ❖ Mentoring students on academic, career, and personal development
- ❖ Contributing to the design and improvement of academic programs and curricula
- ❖ Contributing to community outreach programs and initiatives

**DECEMBER 2021 - MARCH 2023:**

**Safety Officer, HSE Unit, Bui Power Authority (BPA), Bui - Savannah Region, Ghana**

### Key Responsibilities:

- ❖ Daily safety inspections to maintain visible presence across all sections of the plant
- ❖ Investigate all environmental incidents in assigned work areas and prepare reports with recommendations for the Departmental Manager
- ❖ Inspection and monitoring of all works undertaken by contractors on-behalf of BPA

### AUGUST 2014-AUGUST 2020:

Manager, Safety Life Chemicals ( A Retail pharmaceutical shop), Bongo, Upper East Region

#### Key Responsibilities:

- Managing the day-to-day activities of the shop
- Filling health data reports for the District Health Directorate ( on contraceptives usage, malaria prevention, suspected TB case reports etc)

### AUGUST 2010 - AUGUST 2011:

Quality Assurance Analyst, Ayrton Drug Manufacturing Ltd, Accra

#### Key Responsibilities:

- Training all QC Analysts on the usage of LCSolution and TotalChrom, analytical Softwares for Shimadzu and Perkin Elmer series 200 HPLC equipments respectively
- Checking compliance with environmental protection policy guidelines and good practice
- working with regulatory bodies on the environmental policy requirements and inspections

### OCTOBER 2009 - JULY 2010:

Quality Control Analyst, Ayrton Drug Manufacturing Ltd, Accra

## RESEARCH EXPERIENCE/ PUBLICATIONS

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1. Asati, D. A., *et al.* (2024). Food safety knowledge and practices among raw meat handlers and the microbial content of raw meat sold at Kumasi Abattoir Butchery Shops in Kumasi, Ghana. *BMC Public Health*, 24, 975.  
<https://doi.org/10.1186/s12889-024-18514-w>

## PROFESSIONAL MEMBERSHIPS

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| November 2022 - Present | Student Member, Society of Toxicology (SOT), Reston, Virginia, United States |
| September 2022–Present  | Guest Member, Society of Environmental Toxicology and Chemistry (SETAC)      |

## VOLUNTARY ACTIVITIES/COMMUNITY SERVICE

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- ✚ Speaker on “Our Environment, Our Health” organised by members of the United Brothers Association (UBA), and the youth, Bongo, as part of activities of the UBA for 2023 year. December 30, 2023
- ✚ Lead Organizer in Health Screening/ Education of Residents and market women at Bongo Market, Bongo - Ghana, December 26, 2022

## **WORKSHOPS&SEMINARS/WEBINARSATTENDEDFORPROFESSIONAL DEVELOPMENT**

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- #Participant in “Systematic Review Workshop” by African Community for Systematic Review and Meta-Analyses and International Network for Advancing Science and Policy”. 19 December, 2022**
- #Participant at “Leadership for Health Systems Transformation” by School of Public Health, KNUST. 27 September - 7 October, 2021**

## TECHNICAL AND COMPUTER SKILLS

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Good verbal and written communication skills Team player with excellent interpersonal skills Strong analytical and presentation skills

Good computer skills (MS-Word, MS-Excel, MS-PowerPoint, STATA)

## LANGUAGE PROFICIENCY

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English: Spoken, Written and Read Excellently  
Gurune/ Frafra: Spoken, Written and Read Excellently  
Russian: Spoken, written and read averagely

## REFERENCE

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