**CURRICULUM VITAE: Jeffery Kweku Dadson**

 Department of Biochemistry and Biotechnology, KNUST, Kumasi

**DOB:** 26/04/1990

**Telephone Number**: (+233) 249910096

**Email Address**: *jaydadson1990@gmail.com* or *jkdadson@knust.edu.gh*

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| **PERSONAL STATEMENT** |
| Seeking to build, develop and sustain a career in forensic chemistry and toxicology by working in a challenging and research-friendly environment. |
| **EDUCATION AND QUALIFICATION** |

**2019 – Date PhD Chemistry (Analytical chemistry option)**

Kwame Nkrumah University of Science and Technology (KNUST),

Kumasi, Ghana

**2014- 2017 MPhil. Forensic Science**

Kwame Nkrumah University of Science and Technology (KNUST),

Kumasi, Ghana

**2009 - 2013**  **BSc. Biochemistry (First Class Hons)**

Kwame Nkrumah University of science and Technology (KNUST), Kumasi, Ghana

**2005 – 2008: West Africa Senior School Certificate**

Mfantsipim School, Cape Coast, Ghana

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| **WORK EXPERIENCE** |

**2019 – Date** **Assistant Lecturer (Part-time), Department of Biochemistry and Biotechnology,** **Kwame Nkrumah University of Science and Technology, Kumasi, Ghana**

 Handling teaching duties in courses such as Fundamentals of Biochemical Forensics, Instrumental Methods of Analysis, Forensic Chemistry, Forensic Dactyloscopy, Questioned Document Examination, Trace Evidence Analysis, Biological chemistry etc.

**2016 – 2019** **Medical Representative, Gokals Pharmaceuticals Ltd, Accra Ghana**

ScientificPresentation and promotion of new drugs to Pharmacists and Medical doctors. Doubling as sales representatives

**2014-2015** **Graduate Research Assistant, Department of Biochemistry and Biotechnology,** **Kwame Nkrumah University of Science and Technology, Kumasi, Ghana**

Organizing laboratory practical sessions for the undergraduate students in Biochemistry, Medical Laboratory and Biological sciences. Assisting lecturers with research projects

**Dec., 2014 Intern, State Forensic Science Laboratory, Himachal Pradesh State, India**

Assisting scientific officers with daily analysis of evidence in toxicology, biology, DNA, Ballistics and Narcotics Divisions of the crime laboratory.

**2013-2014** **National Service Person, Department of Biochemistry and Biotechnology,** **Kwame Nkrumah University of Science and Technology, Kumasi, Ghana:**

Organizing and holding tutorials in Organic Chemistry, Metabolism of nutrients and Health risk toxicants. Assisted lecturers and students with research and Laboratory works

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| **CURRENT RESEARCH FOCUS** |

* Developing Chemometric models for forensic detection of fuel adulteration, **2018-Date**
* Forensic characterization of writing inks in Ghana, **2019-Date**
* Assessment of major cannabinoids in Cannabis cultivated in Ghana for forensic purposes, **2019-Date**
* Spectroscopic determination of Body fluids at crime scenes, **2020-date**
* Determination of contaminants and adulterants in seized cocaine, methamphetamine and Heroin in Ghana, **2020-Date**

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| **PROFESSIONAL AFFILIATIONS** |
| * American Academy of Forensic Sciences (AAFS)
* Forensic Science Society of Ghana (FSSGH)
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| **ACHIEVEMENTS AND AWARDS** |

**2015-2016:** Clerk, GRASAG-KNUST Senate

**2014:** Gold Medal, International Research Initiative Conference Paper Awards

**2011-2012:** President, Ghana Biochemistry Students’ Association

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| **PUBLICATIONS AND CONFERNCES** |

**Journal Papers**

1. **J. Dadson**, S. Pandam & N. Asiedu (2018). Modeling the characteristics and quantification of adulterants in gasoline using FTIR spectroscopy and chemometric calibrations. *Cogent Chemistry*, 4(1), pp.1-22.
2. I. Boadu, F. O. Mensah and **J. K. Dadson** (2015). Prevalence of Pica Behaviour among Pregnant Women in the Bibiani-Anhwiaso Bekwai district in the Western Region of Ghana. *Int. Journal of Novel Research in Life Sciences*, 2 (5), pp.36-40.
3. I. W. Ofosu, M. Yeboah-Awudzi and **J.K. Dadson** (2015). Formulation and Protein Analysis of Fish Feed Incorporated with Annatto Seeds. *IJARI*, pp. 20-25.
4. F. K. N. Arthur, **J. Dadson**, M. Yeboah-Awudzi & C. Larbie (2014). Body mass index and its effect on rate of hospital visits of staff of Kwame Nkrumah University of Science and Technology, Kumasi. *Archives of Applied Science Research*, 6(4), pp.198-202.
5. C. Larbie, D. Torkornoo & **J. Dadson** (2014). Anti-diabetic and hypolipidaemic effect of botanicals: a review of medicinal weeds on KNUST campus, Kumasi. *Journal of Applied Pharmaceutical Science*, 4(10), pp. 097-104.

### Conferences and Workshops

* **2020:** Forensic Middle East and Africa 2022 Virtual Event
* **2020**: College of Science (CoS) Seminar Presentations, KNUST, Virtual event
* **2015:** International Conference of Questioned Document Examination, Patiala, India
* **2014**: International Research Initiative Conference, Accra, Ghana

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| **REFEREES** |

Prof. Nana Yaw Asiedu

Associate Professor, Department of Chemical Engineering,

KNUST.

(+233) 542364021

*nasiedusoe@yahoo.co.uk*

Dr. Samson P. Salifu

Senior Lecturer, Department of biochemistry and Biotechnology,

KNUST

(+233) 209583359

*sspas@hotmail.com*