

# CURRICULUM VITAE

**NAME:** OLODU DICKSON DAVID  
**Date of Birth:** 22<sup>nd</sup> July, 1980  
**Place of Birth:** Benin City, Edo State, Nigeria  
**Nationality:** Nigerian  
**State of Origin:** Delta  
**Local Government Area:** Ukwuani  
**Religion:** Christianity  
**POSTAL ADDRESS:** Department of Mechanical Engineering,  
Faculty of Engineering, Benson Idahosa  
University.  
**PHONE NO.:** 08065325363  
**E-MAIL:** dolodu@biu.edu.ng  
**Sex:** Male  
**Marital Status:** Married  
**Number of Children:** Four children (4)

## EDUCATIONAL BACKGROUND WITH DATE

2017	*	University of Benin, Benin City PhD in Manufacturing Engineering
2012/2013	*	University of Benin, Benin City M.Eng in Manufacturing Engineering
2005	*	NnamdiAzikiwa University, Awka B.Tech. Electro–Mechanical Second Class Honours (Upper Division)
1999	*	Umutu Mixed Secondary School, Delta State Senior School Certificate (SSCE)
1993	*	Igili Primary School, Umutu, Ukwuani L.G.A., Delta State

## WORK EXPERIENCE INCLUDING POSITION AND DATE

2 <sup>nd</sup> October 2021 - Till Date	Benson Idahosa University (BIU), Benin City <b>Current Position: Senior Lecture</b> <b>Courses Lectured:</b> Quality control, Fluid mechanics, control Systems Engineering, Strength of Materials, Materials Science, Production Technology, Workshop Technology, Internal Combustion Engine, Automobile Engineering, thermodynamics etc.
27 <sup>th</sup> February 2019-30 <sup>th</sup> Sept., 2021	Benson Idahosa University (BIU), Benin City <b>Current Position: Lecturer I</b> <b>Courses Lectured:</b> Quality control, Fluid mechanics, control Systems Engineering, Strength of Materials, Materials Science, Production Technology, Workshop Technology, Internal

Combustion Engine, Automobile Engineering and thermodynamics.

**Area of Specialization: Engineering Design and Manufacturing**

**2014- 2018** **Institute of Science and Management Studies, Benin City**  
**Position: Lecturer**  
**Courses Lectured:**Quality Control, Fluid Mechanics, Control Theory and Thermodynamics.

**2010-2016** **Ojomoh Education Centre, Benin City, Edo State**  
**Position: Teacher**

### **COMPUTER KNOWLEDGE**

**\*Microsoft Word, Microsoft Excel, Power Point, Corel Draw, Paint and other packages**

### **PROFESSIONAL CERTIFICATE**

**\*Corporate Member the Nigerian Society of Engineers (MNSE), Reg No: 47289**

**\*\*Registered member Council for the Regulation of Engineering in Nigeria (COREN), Reg. No: R47172.**

**\*International Project Management. Certified Project Manager (CPM)**

**\*Administrative Staff College of Nigeria (ASCON)**

**\*Member, International Association of Engineers, Reg No: 226848**

### **ADMINISTRATIVE POSITION**

- Head of Department (Mechanical Engineering) (Oct. 2021 till Date)
- Course adviser for 200 level (2020)
- Course adviser for 300 level (2021)
- Head of research in Faculty of Engineering (2019-Till Date)
- Congregation Representative in Senate for Faculty of Engineering (2019-Till Date)

### **AWARD**

[1] Research Productivity award in Design and Manufacturing, Benson Idahosa University, 2020.

[2] Corporate award presented by The Nigerian Society of Engineers, Benin Branch. (2021)

# RESEARCH/ PUBLICATIONS

## INTERNATIONAL JOURNALS:

- [1]**Olodu, D.D.** and Osarenmwinda, J.O. (2018). Empirical Modelling of Injection Moulded High Density Polyethylene-Grass Composite. *American Journal of Engineering Research (AJER)*.7(12); pp.245-250.
- [2]**Olodu, D.D.** and Osarenmwinda, J.O. (2018). Modelling of Injection Moulded Polypropylene-Grass Composite. *International Journal of Research in Advanced Engineering and Technology*, 4 (3); pp. 37-40.
- [3]**Olodu D.D** and Aliyegbenoma C.O. (2020). Split-split plot Analysis of the Effects of Process Parameters in the Production of Polyvinyl Chloride-Grass Composite. *International Journal of Engineering and Innovative Research*. 2 (3); Pp. 211 – 223.
- [4]**Olodu D.D** and Ogbemudia A. (2020). Analysis of the Effects of Process Parameters on the Mechanical Properties of Developed Unalloyed Aluminium Sheets. *International Journal of Engineering Science and Application*. 4(3); pp. 109-118.
- [5]**Olodu D.D** and Aliyegbenoma C.O. (2020). Investigation of Different Developed Iron in Iron Production Companies. *International Journal of Engineering Science and Application*, 4(4); pp.151-156.
- [6]Osaretin M.O and **Olodu D.D.** (2021). Stress Mechanics of Reinforced Polyester Composites. *International Journal of Engineering and Innovative Research*.3 (1); pp.39-54.
- [7]**Olodu D.D.** (2021). Modelling and Validation of the Production Parameters of Unalloyed Aluminium Sheets. *Gazi University Journal of Science Part A: Engineering and Innovation, Turkey*. 8(1): pp.94-108.
- [8]**Olodu, D.D.** and Ihenyen, O.I. (2021). Fibre Volume Fraction and Impact Strength Analysis of Reinforced Polyester Composite. *European Mechanical Science*, 5(1): pp.80-85.
- [9]**Olodu D.D.** (2021). Failure Analysis of Hybrid Glass Reinforced Composites in Polymeric Industries. *Gazi University Journal of Science Part A: Engineering and Innovation*, 8(1): pp. 122-134.
- [10]**Olodu D.D** and Aliyegbenoma C.O. (2021). Investigation of The Stress Intensity Factors of a Reinforced Polymeric Composite at Different Fracture Modes. *International Journal of Engineering Science and Application*, Vol.5, No.1, pp. 7-14.
- [11]**Olodu D.D** and Okagbare, G.O. (2021). Data Analysis of a Reinforced Polymeric Composite Subjected to Impact Load. *International Global Invention Scientific Journal*, 2(2): pp.1-10.
- [12]**Olodu D.D** and Okagbare, G.O. (2021). Modelling and Experimental Investigation of Copper-Zinc Alloy Using Split-Split Plot Design. *International Journal of Engineering and Innovative Research*, 3(3): pp. 175-186.
- [13] Ozakpolor M, Aliyegbenoma C.O. and **Olodu D.D**(2021). Prediction of Cutting Temperature in Carbide Cutting Tool using Finite Element Method. *International Advanced Researches and Engineering Journal* 05(03): 398-404.

**[14]Olodu D.D and KOKHIA Patience Sherifat.(2022). Design and Construction of an Automated and Manual New-Fangled Fruit Juice Extractor.***International Journal of Engineering and Innovative Research.* 4 (1); Pp (Accepted)

### **NATIONAL JOURNALS:**

**[1]Osarenmwinda, J.O. and Olodu, D.D. (2015). Barrel Temperature Effects on the Mechanical Properties of Injection Moulded Plastic Products.***Nigeria Journal of Technology.* 34 (2); pp. 292-296.

**[2]Osarenmwinda, J.O and Olodu, D.D. (2018). Optimization of Injection Moulding Process Parameters in the Molding of High-Density Polyethylene (HDPE).***Journal of Applied Sciences and Environmental Management.* 22 (2); pp. 203-206.

**[3] Olodu, D.D.** Optimization and Analysis of Cutting Tool Geometrical Parameters using Taguchi Method. *Journal of Applied Sciences and Environmental management.*22 (3); pp. 346-349.

**[4]Olodu, D.D.** and Osarenmwinda, J.O. (2018). Effects of Process Parameters in the Production of HighDensity Polyethylene-Grass Composite.*Journal of Applied Sciences and Environmental Management.* 22 (9); pp. 1479-1483.

**[5]Olodu D.D** and Osarenmwinda J.O. (2019).Investigation of Polypropylene-Grass Composite Using Split-Split Plot Experimental Design.*Advances in Engineering Design Technology.* 1(1); pp. 40-48.

**[6]Olodu, D.D.** and Osarenmwinda, J.O. (2019). Empirical Modelling of Developed Polyvinyl Chloride-Grass Composite.*Journal of Energy Technology and Environment.* 1 (1); pp. 29-37.

**[7] Olodu, D.D.** and Osarenmwinda, J.O. (2019). Production of Polyvinyl Chloride-Grass Composite using Injection moulding Process.*Journal Science and Technology Research.*1 (1); pp. 37-44.

**[8]Aliyegbenoma, C.O; Apkobi, J.A; Olodu D.D. (2019). Modelling and Production of Injection Moulded Polyvinylchloride-Sawdust Composite. Journal of Applied Sciences and Environmental Management.** 23 (12); pp. 2159-2164.

**[9] Olodu D.D** and Aliyegbenoma C.O. (2020).Investigation of Low Density Polyethylene Polymeric Composite Using Split-Split Plot Experimental Designs.*NIPES Journal of Science and Technology Research.*2(3); pp.208 – 217.

**[10]Okpoko, J.S and Olodu, D.D. (2021). Development of Models for the Prediction of the Level of Concentration of Gas Pollutants in Utorogu Gas Plant in Delta State, Nigeria.***Journal of Energy Technology and Environment,* Vol. 3(3) 2021 pp. 144-155.

**[11] Olodu, D.D.** and Ihenyen, O.I. (2021).Investigation of the Fracture Mechanism of Reinforced Polyester Composite when subjected to Suddenly Applied Force.*Journal of Engineering for Development,* vol. 13(1), pp. 26-37.

### **LOCAL JOURNALS:**

**[1] Olodu, D.D.** and Osarenmwinda, J.O. (2018) Effect of Barrel Temperature on the Mechanical Properties of Injection Moulded Polypropylene-Grass Composite. *Nigerian Research Journal of Engineering and Environmental Sciences*, 3 (1); pp. 163-169.

**[2] Olodu, D.D.** and Ihenyen, O.I. (2018). Optimization of the Cutting Process Parameters of Ti-6Al-4V Alloy by Using Hybrid Approach, *Nigeria Research Journal of Engineering and Environmental Sciences*. 3 (2); pp. 763-771.

### **CONFERENCE PAPER**

**[1] A.A. Erameh, A.A.; Olodu, D.D,** and Orhorhoro E.K. (2021) Modelling and Optimization of Material Removal Rate and Tool Wear Rate in a Straight Turning Operation. NIPES Conference Proceedings. *The 1st International Conference of the Nigerian Institution of Professional Engineers and Scientists*. Pp.1-9

### **TECHNICAL REPORT:**

**[1] Olodu D.D.** Design and Construction of Yam Pounding Machine. Technical Report Submitted to the Nigerian Society of Engineers, April 2018.

### **REFEREES**

**Professor J.O. Osarenmwinda**  
**The Dean,**  
**Faculty of Engineering, University of Benin, Benin City,**  
**Edo State.**

**Professor F. Edeko**  
**Department of Electrical/Electronic Engineering,**  
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