

CURRICULUM VITAE

- 1) **Name in Full:** **DAHA SHEHU ALIYU**
- 2) **Date of Birth:** 04th May, 1985
- 3) **State of Origin:** Kano State
- 4) **Local Government Area:** Shanono
- 5) **Nationality:** Nigerian
- 6) **Marital Status:** Married
- 7) **Gender:** Male
- 8) **Current Contact Address:** Kano University of Science and Technology, Wudil
- 9) **Permanent Home Address:** No. 1677 Kurna Asabe “C” Dala LG, Kano State
- 10) **Present Rank and Salary:** Lecturer II/ CONUASS 3
- 11) **Phone Number:** +234(0)8037336501
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13) Qualifications, Educational Institutions attended, and Dates:

- a) PhD. (Structural Engineering) in View, Newcastle University, UK, January. 2019 – to Date.
- b) MTech (Structural Engineering) First Division, Sharda University, India, Feb. 2014 – October 2015.
- c) B.Eng. (Civil Engineering) 22, Kano University of Science and Technology, Wudil, January. 2006 – May 2011.
- d) West African Examination Council (WAEC) Certificate, Dawakin Tofa Science and Technical School Board, Sept. 2000 – July 2003.
- e) Primary Leaving Certificate, Gobirawa Special Primary School, Kano, February. 1991 – Aug. 1996.

14) Additional Education/Training:

- a) Diploma in Project and Construction Management, Bridge institute of management and Engineering, Delhi, India, July,2014- April,2015
- b) Certificate in STAAD Pro, Sai Ram Computer Center, Gamma I Greater Noida UP- India. 15thMarch to 17th April, 2015
- c) Certificate in Revit Architect., Sai Ram Computer Center, Gamma I Greater Noida UP- India. 15thMarch to 17th April, 2011
- d) National Qualification Certificate, in Understanding Stewarding at Spectator Events, with Industry Qualifications. August 2019.
- e) NCFE Level 1 award in Interpersonal Skills with NCFE. August 2019
- f) Certificate in Immediate Life Support (ILS) with Primary Care. May 2019
- g) Introduction to Learning and Teaching (Seminar), Newcastle University, March 2019

- h) Introduction to Learning and Teaching (Demonstrator), Newcastle University, June 2019

15) Additional Online Education/Module/Webinar:

- a) Certificate of Participation on Artificial Intelligence in business models – Applications and Research Directions. By Department of research and publication, A2Z EdulearningHub LLP. 19th May 2022.
- b) Certificate of Participation on Impact of automation and control system of building and industry on energy conservation. By IEEE and PES. 6th May 2022.
- c) Certificate of Participation of international webinar on Strengthening research ethics using plagiarism tools. By Universitas Gadjah Mada, Jakarta. 31st March 2022.
- d) Certificate of Participation on Redefining Social Responsibility and Ethical Leadership, Center for Management Studies, JAIN University, 2nd to 10th, August 2021.
- e) Certificate of participation on Water Security for Cities through Urban Water Management, By Department of Humanities and Applied Science and Civil Engineering, Manda Institute of Technology, Bikaner, April 2021
- f) Certificate of Participation on Planning and Drafting of Approval Drawing, By Department of Civil Engineering, Kings Collage of Engineering, Punalkulam. March 2021
- g) Certificate of Participation on Financial Empowerment through Financial Awareness, By S.S. Jain Subodh P.G. (Autonomous) Collage, Jaipur, Rajasthan in collaboration with Association of Mutual Funds in India, January 2021
- h) Certificate of Participation on Sustainable Business Management Practices and Social Innovation, By Student Research and Development Cell, Center for Management Studies, JAIN University, January 2021.
- i) Certificate of Participation on Decoding Entrepreneurship, By School of Management Studies Sathyabama Institute of Science and Technology in collaboration with Tamilnadu Advanced Technical Training Institute, December 2020
- j) Certificate of Attendance on “Getting the Most out of Scopus” Researcher Academy Elsevier at Newcastle University, 2nd December 2020.
- k) Certificate of completion on “Innovation in Concrete Construction” Civil Engineering Department at Gandhinagar Institute of Technology. November 2020
- l) Certificate on Artificial Intelligence Myth and Realities, By Maths Aspirant WhatsApp Groups, Career Development Centre Perambra, Kozhikoda, Kerala, November 2020

- m) Certificate of Participating on Magnetic Adsorbent and their Applications in Wastewater Treatment and Metals Recovery, By Mineral Resources Management Research and Training Center, Caraga State University, Philippines, October 2020.
- n) Certificate of Attendance on “Aligning Yourself to the Publishing Process” Researcher Academy Elsevier, 23rd and 24th July 2020.
- o) Certificate of Completion on “Standing up for Science” Researcher Academy Elsevier 31 March 2020.
- p) Certificate of Completion on “Using Proper Manuscript Language” Researcher Academy Elsevier, 11 March 2018.
- q) Certificate of Completion on “How to turn your thesis into an article” Researcher Academy Elsevier, 23 February 2018.
- r) Certificate of Completion on “How researcher benefit from citing data” Researcher Academy Elsevier, 23 February 2018.

16) Certificate Achievements:

- a) 2nd Place PGR Conference award, by School of engineering Newcastle University. 2020/2022

17) Working Experience, with Dates:

- a) Lecturer II, Kano University of science and technology, Wudil. October 2018 to Date.
- b) Assistant lecturer, Kano University of science and technology, Wudil, April 2016 to October 2018.
- c) Civil Engineer I, Kano State Housing Corporation, Zariya Road, August 2013 to 2016
- d) Site Engineer, Ciroco Nigeria Ltd, Sharada Phase II, Feb. 2011 - June 2012
- e) Civil Engr. (NYSC), Sci. Sec. Sch. Donga, Taraba State June 2011- July 2012
- f) Industrial attachment (SIWES II), SKY, Construction Nig. LTD, Kano, 2009 (6 months)
- g) Industrial attachment (SIWES I), SKY, Construction Nig. LTD, Kano, 2008 (3 months)

18) Teaching Experience

- 1) Undergraduate Level
 - a) Design of Structural Element III (CIV5404), 2015-2016
 - b) Engineer in Society I. (ENG2101), 2015-2016
 - c) Engineer in Society I. (ENG2101), 2016-2017
 - d) Engineer in Society I. (ENG2101), 2017-2018
 - e) Design of Structural Element I. (CIV3306), 2016-2017

19) Administrative Responsibility:

- a) Level Coordination. 2016 to January 2019

20) Project Supervised: (Undergraduate)

- a) Behavior of reinforcement in reinforced concrete beam subjected to fire on tensile strength.
Mustapha Umar Bayi (2017)
- b) Stabilization of lateritic soil using powdered locust bean pod 'makuda'
Surajo Umar Dawusu (2017)
- c) Effect of Gamba Grass (*Andropogon Gayanus*) ashes in Concrete
Sani Maitama (2017)
- d) Performance of reclaimed asphalt pavement as partial replacement to coarse aggregate in concrete.
Kabiru Imran (2017)
- e) Performance of animal bone ashes and wood ashes as partial replacement of cement in concrete.
Issa Abdulazeez Kayode (2018)
- f) Appraisal of work breakdown structure (WBS) process in the success of planning and scheduling of road project in kano state.
Muhammad Abubakar Suleiman (2018)

21) Committee Membership:

- a) Member in Zumunta youth development association. Kurna Asabe, Dala Local Government, Kano State.

22) Professional Membership:

- a) Council for the regulation of Engineering in Nigeria (COREN) Registered:
Registration Number: R34,219
- b) Nigerian Institute of Civil Engineers (NICE) Registered:
Registration Number: C.04676
- c) Member Universal Association of Civil, Structural and Environmental Engineers (UACSE) Membership I.D: AM10100058308
- d) Member International Association of Engineers. IAENG Membership I.D: 170604

23) Research Experience (Theses), Project and Seminar with Dates:

- a) Daha Shehu Aliyu. (2015) Elastic and Plastic Analysis of Indian Steel members Subjected to fire and compare the result using ANSY and SAFIR Software – thesis submitted to Sharda University in partial fulfilment for the degree of Master of Technology (Civil Engineering: Specialised in Structural Engineering).

- b) Daha Shehu Aliyu. (2015), Comparative Analysis and Design of an Industrial Steel building in STAAD Pro Using Indian code (IS800) and EUROCODE (EN1993:2005) – Project submitted to Sharda University in partial fulfilment for the degree of Master of Technology (Civil Engineering: Specialised in Structural Engineering).
- c) Daha Shehu Aliyu. (2015), Ductile Fracture of Steel under Monotonic and cyclic loading – a Seminar Report submitted to Sharda University in partial fulfilment for the degree of Master of Technology (Civil Engineering: Specialised in Structural Engineering).
- d) Daha Shehu Aliyu. (2010). Computer Aided Analysis and Design of Cantilever Retaining Wall – Project submitted to the Department of Civil Engineering, KUST, Wudil in partial fulfilment for the degree of Bachelor of Engineering (Civil).

24) Positions held with dates:

- a) PRO in National Muslim Forum United Kingdom. Newcastle Upon Tyne Chapter. 2022 to date.
- b) Site Engineer, Ciroco Nigeria Ltd, Sharada Phase II, Feb.2011June – 2012.
- c) Treasurer in national Association of Civil Engineering Student, Kano University of Science, and technology, Wudil chapter, 2008 – 2010

25) Community Service:

a) National/State:

- i) National Youth Service Corps, June 2011 – July 2012.

26) Conference Proceedings (Two -3):

- a) Postgraduate research Conference by School of Engineering, Newcastle University, United Kingdom. Presentation title: The used of UV-treated polypropylene fibre in improving compressive strength of cement paste at high temperature. 2020/2021.
- b) 2nd international conference on science, technology, and management” Organized by conference world at Delhi University, New Delhi, India. 27th September 2015
- c) 7th international conference on Emerging Technology in “Civil Engineering, Architecture and Environmental Engineering for Global Sustainability” Organized by “Krishi Sanskriti” at Jawaharlal Nehru University, New Delhi, India. 4th – 5th April 2015.

27) Local Conference and Workshop with Date (Five -7):

- a) Introduction to teaching and learning one day workshop – Demonstrator, at Newcastle University, June 14, 2019.
- b) Introduction to teaching and learning one day workshop – Seminar, at Newcastle University, March 1, 2019
- c) Research symposium and exposition (Ductile fracture of steel under cyclic loading). At Sharda University Uttar Pradesh, India. 28th March 2015
- d) Workshop on “Patent, Intellectual Property Rights and Ethics” Conducted by School of Basic Science and Research, Sharda University, Greater Noida, India. March 2015.
- e) Workshop on “Civil Design” Conducted at Cetpa Infotech Pvt. Ltd. Noida sector 15, India. 15th March 2015.
- f) Workshop on “water treatment plant” organized by Delhi Jal Board, Government of India.
- g) Workshop on “Monitoring of Concrete Structures- NDT Approach” on 3rd February 2015 held at Sharda University, Greater Noida. India.

28) publication (journals): (Eleven- 13)

- a) R. Raffik, Harish Sharma, **Daha Shehu Aliyu**, Francis Kwesi Bondinuba, Kannadasan B., Rabah Mahmoud Ahmad Ismail. 2022 “Utilization of E-Waste as a Concrete Mixture for Infrastructural Buildings” Materials Science Forum. ISSN: 1662-9752, Vol. 1068, pp 47-53
- b) **Daha Shehu Aliyu**, Salim Idris Malami, Faiz Habib Anwar, Mahmud Murtala Farouk, Muwaffaq Sufyan Labbo, S.I.Abba. “Prediction of compressive strength of lightweight concrete made with partially replaced cement by animal bone ash using artificial neural network” 2021 1st International Conference on Multidisciplinary Engineering and Applied Science (ICMEAS). (978-1-6654-3493-5/21/\$31.00 ©2021 IEEE) 2021
- c) Abba, S.I., Pham, Q.B., Usman, A.G., Linnh, N.T.T., **Aliyu, D.S.**, Nguyen, Q. & Bach, Q.V. (2020) Emerging evolutionary algorithm integrated with kernel principal component analysis for modeling the performance of water treatment plant. Journal of water process Engineering. 33 (February), 101081
- d) F. H. Anwar, S.I Malami, Z. B. Baba, M. M. Farouq, M.S.Labbo, Daha S. Aliyu, A.B. Umar, 2019 “Compressive Strength of Lightweight Concrete and Benefit of Partially Replacing Cement By Animal Bone Ash (ABA)” Journal of Emerging

Technologies and Innovative Research ISSN-2349-5162, Volume-6 Issue-6 June 2019. 554-560

- e) **Daha S. Aliyu**, Ma'aruf A, M. M. Farouq, S. U. Dawusu 2018 “Stabilization of Lateritic Soil Using Powdered Locust Bean Pod (MAKUBA)” International Journal of Engineering & Science Research. ISSN 2277-2685, Special Issue/ Article No-46/249-255
- f) H Ibrahim, **Daha S. Aliyu**, Ma'aruf A, MM Farouq. 2018 “Ground-Borne Vibration Transmission on Structures (Effect and Control): A Review” International Journal of Engineering & Science Research, ISSN 2277-2685, Special Issue/ Article No-1/1-7
- g) **Daha S. Aliyu**, M. M. Farouq, M. S. Labbo, F. H. Anwar, Z. B. Baba, M. U. Bayi. 2017 “Behavior of Reinforcement in Reinforced Concrete Beam Subjected to Fire on Tensile Strength” American Journal of Engineering Research. e-ISSN:2320-0847, P-ISSN:2320:0936, Volume-6, Issue-10, 2017. pp-163-171
- h) M. M. Farouq, Umar. F. Lawan, Nura Garba F. H. Anwar, Z. B. Baba, M. S. Labbo, **Daha S. Aliyu**, 2017 “Implementation of Environmental Management System in Construction Industry” IOSR Journal of Mechanical and Civil Engineering (IOSR-IMCE). e-ISSN:2278-1684, P-ISSN:2320:334X, Volume-14, Issue-5, Ver. IV (Sep.-Oct. 2017), pp-33-38.
- i) M. M. Farouq, F. H. Anwar, Z.B. Baba, M. S. Labbo, **D. S. Aliyu** “Road Maintenance Management in Kano State, Nigeria: Case Study of Kano Metropolitan” Journal of Mechanical and Civil Engineering. e-ISSN:2278-1684, p-ISSN:2320-334X, Volume 14, issue 3 Ver, III (May. – June 2017), PP 50-62.
- j) **D. S. Aliyu**, Y. A. Abdu, D. A. Yusuf. 2016 “Transmission of ground vibration on roadside structures” European Journal of Advances in Engineering and Technology. Vol. No. 3(7) pp. 43- 46. (ISSN: 2394-658X).
- k) **D. S. Aliyu**, H. Ibrahim, H. H. Ali. 2015 “Comparative study of Elastic and Plastic Analysis of Indian Steel members Subjected to fire using ANSY and SAFIR Software”, International Journal of Advance Research in Science and Engineering. IJARSE Press, India. Vol. No. 4, pp. 175-185. (ISSN: 2319-8354).
- l) H. Ibrahim, **D. S. Aliyu**, H. H. Ali. 2015 “Vibrational Control of frame structural frame using Tune mass Damper”, International Journal of Advance Research in

Science and Engineering. IJARSE Press, India. Vol. No. 4, pp. 186-196. (ISSN: 2319-8354).

- m) **D. S. Aliyu**, H. M. Sabo. “Assessment of Ductile Fracture of Steel under Monotonic and Cyclic Loading”, Journal of Civil Engineering and Environmental Technology. Print ISSN: 2349-8404; Online ISSN: 2349-879X; Volume 2, Number 12; pp. 93-95, Krishi Sanskriti Publications.

28 Awards:

- a) Petroleum Technology Development Found (PTDF) Scholarship, For PhD. January 2019 to date.
- b) Kano State Scholarship award for master’s degree, February 2014 to October 2015, Session. In Sharda University, India
- c) Award for Level Coordination by Level 500 Student. January 2017.

29 Appointment:

- a) Appointed as a Moderator by “National Board for Arabic and Islamic Studies” (NABAIS). Nigeria. May 2017.

30 Hobbies:

- a) Travelling
- b) Foot Ball
- c) Reading

31 Names and addresses of Referees:

- a) **Engr. Prof. Abubakar Isma’il**
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- b) **Sabo Mohammed**
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