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**Academic Curriculum Vitae**



**Personal Information:**

Full Name: **Dr. Abdulla Abdulwahid Abo**

Academic Title: **Assistant Professor**

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**Education:**

* PhD Civil Eng. Plymouth University UK 2013
* MSc. Hydraulic Structures Engineering Baghdad University 2001
* BSc. Dams and Water Resources Engineering Mosul University 1992

**Employment:**

* From 2023 till Assistant professor in College Engineering-university of Salahaddin-Erbil-Iraq.
* From 2013-2023 lecturer in College Engineering-university of Salahaddin-Erbil-Iraq.
* From 2002-2009, Assistant lecturer in College Engineering-university of Salahaddin-Hawler.
* From 1992-2001, Consultant and designer engineer, Part time, with TIMASHOK-CO.

**Qualifications**

* Teaching both graduate and postgraduate students
* Experience in CFD codes such as CFX, FLUENT and FLOW-3D
* Fluency talking and writing Kurdish, Arabic and English
* High experience in Mathematical Models.
* Attend **CFD** course in **Oxford** **university**, Attending GTS **General teaching specification** in Plymouth university.

**Teaching experience:**

* **Teaching courses delivered, undergraduate**

1. Descriptive Geometry
2. Engineering Drawing
3. Construction Materials
4. Building Constructions
5. Fluid Mechanics
6. Engineering Analysis
7. Engineering Hydraulics
8. Dam Engineering

* **State all teaching courses delivered, or post graduate**

1. Advanced Applied Mathematical Model
2. Computational Fluid Dynamics
3. Advanced Hydraulics of Open Channel

**Research and publications**

1. Abo, A.A., 2023**. Performance of the Gomaspan Dam's Stepped Spillway Against Cavitation using CFD**. PolytechnicJournal.2022.12(2): p 47-5
2. Saleh, S.M., Muhammad, S.H. and Abo, A.A., 2022. **Effect of Pooled and Flat Stepped Spillway on Energy Dissipation Using Computational Fluid Dynamics.** Tikrit Journal of Engineering Sciences, 29(2), pp.75-79.
3. Zaid, P.O. and Abo, A.A.,2022 **“Determination the Location of an Air Inception Point for Different Configurations of Stepped Spillways using CFD**” ZANCO Journal of Pure and Applied Sciences, Vol. 34 No. 6, p 1-7.
4. Abo, A.A., 2022. **Performance Against Cavity Index and Discharge Coefficient between Broad and Sharp Crested Weirs.** PolytechnicJournal.2022.12(1): p 103-107
5. Abo, A.A., Husain, S.M. and Hussein, S.A., 2018**. Effect of Sudden Rise of Water in Stream on Adjacent Land.** ZANCO Journal of Pure and Applied Sciences, 30, pp.105-112.
6. Husain, S.M., Abdulla, A.A. and Mustafa, B.Y., 2018, **Validation of a numerical particle based method for free surface flow downstream of sluice gates.** ZANCO Journal of Pure and Applied Sciences, 30, pp.94-104.
7. Abo, A.A., Muhammad, R.J., Raby, A., Kyte, A. and Greaves, D.M., 2016. **Analysis of high velocity free surface flow interaction with a bridge pier in a trapezoidal channel using CFD**.
8. - Abo, A.A., Greaves, D.M., Muhammad, R.J., Raby, A., and Kyte, A., 2013. **Three-Dimensional Flow Model for High Velocity Channel.** NAFEMS World Congress Salzburg, Austria
9. Mawlood, Y., Abo, A. and Peerdawood, C., 2010**. Effect of drying methods and sand additive on shrinkage cracks of an expansive soil.** Zanco Journal of Pure and Applied Sciences, 22(4).

**Conferences and courses attended**

* The 2nd International Conference on Engineering and Innovative Technology
* (SU-ICEIT 2019) Salahaddin University.
* IC-WEKCA17 (International Conference of Water and Energy in Kurdistan, Challenges and Alternatives). <https://easychair.org/my/conference?conf=icwekca17>
* ICRIE 2017 (2nd International Conference on Recent Innovations in Engineering of the College of Engineering-University of Duhok) 26-27th April 2017.
* NAFEMS WORD CONGRESS NWC 9-12 June 2013 Salzburg Austria, <https://www.nafems.org/events/congress/2013/>

**Funding and academic awards**

* Research visitor Calabria University, Cosenza Italy 2023.

**Professional memberships**

* Kurdistan Teacher Union, ID no. 15272
* Kurdistan Engineers Union, ID no. 101957

**Professional Social Network Accounts:**

* ReserchGate, <https://www.researchgate.net/profile/Abdulla-Abo>
* Academia, https://www.academia.edu/Notifications?from\_navbar=true&trigger=acct-mnu-btn
* Linkedln, <https://www.linkedin.com/in/abdulla-abo-34557326/>
* ORCiD, <https://orcid.org/my-orcid?orcid=0000-0002-0172-9499>
* Scholar google, <https://scholar.google.com/citations?hl=en&user=nNmATOcAAAAJ>
* Twitter, <https://moodle.su.edu.krd/engineering/user/profile.php?id=1146>
* Facebook, <https://www.facebook.com/abdulla.abo.5>

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My future research plan are as follow

* Comparison between Saint Antony Stilling Basin and Computational Designed stilling basin
* Computation of Hydraulic Resistance in combined open channel using CFD
* Head Loss Comparison in Stepped and Normal Steep Spillways
* Impact of bridge pier size on depth of scour using CFD
* Pipeline safety against Hydraulic Transient for Ifraz-3 in Erbil using CFD

Assistant Professor

Dr. Abdulla Abdulwahid Abo