

**Asst. Prof. Dr. ABDULWAHAB M. ALANSI**

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### **Current Position**

- Head of University Programs Department & Collaborated Programs Department- Deanship of Postgraduate Studies, University of Science & Technology, Sana'a, Yemen.

### **Education**

Postdoctoral, Water & Environment Conservation, 2015, University of Nebraska Lincoln, USA  
PhD, Water Resources Engineering, 2011, University Putra Malaysia, Malaysia  
Master, Water Engineering, 2006, University Putra Malaysia, Malaysia  
Certificate in Cooperative Management, 2003. Co-operative Collage of Malaysia., Malaysia  
Bachelor of Science. Civil Engineering, 1998, Al-Mustansiriya, Iraq

### **Areas of Specialty**

- Management of water & environment
- Simulation & modeling in civil engineering field
- Research & development

### **Working Experience**

- (Feb 2018 - up to date) Head of University Programs Department & Collaborated Programs Department- Deanship of Postgraduate Studies, University of Science & Technology, Sana'a, Yemen
- (March 2016 - up to date) Executive Director of Statika for Consultation & Training, Sana'a - Yemen
- (April 2013 - December 2017) Director of water & environment technological Center, University of Science & Technology, Sana'a, Yemen.
- (Feb 2011 – Up to date) Lecturer, Civil Engineering Department, University of Science & Technology, Sana'a, Yemen.
- (July 2009- Dec 2010) Researcher and system developer under Knowledge Grid clusters at MIOS Berhad, Malaysia for the project entitled: Development of Agricultural portal in Grid (AgriGRID) (2009-2010), E-SCIENCE, funded from Ministry of Science, technology & innovation (MOSTI), Malaysia.
- (Nov2006 - June 2009) Researcher and system developer at faculty of Engineering, Universiti Putra Malaysia, for the project entitled: Development of river flow estimator for impact of land use changes

(RIFEILD)) (2006-2009) E-SCIENCE, funded by the Ministry of Science, technology & innovation ( MOSTI), Malaysia.

- (Jun 2004 - Mar2006) postgraduate researcher at faculty of Engineering, Universiti Putra Malaysia.
- (Sep 2002- April 2003) Consultant at Studies & Aquatic Development Center, Sana'a, Yemen
- (Feb 2002 - Oct 2003) Irrigation Department Manager of Sana'a branch, Agricultural & Rural Development Authority (ARDA), Ministry of Agriculture and Irrigation, Yemen
- (Sep 2002 – Mar 2003) Designer and consultant at Social Fund for Development, World Bank, Sana'a,.
- (Mar 2000 -Dec 2002) Secretary and member of tenders tech. and financial analyzing committee at ARDA
- (March 2000 – Dec 2002) Technical member of tender's evaluation committee at ARDA
- (April 2001 - Jan 2002) Studies and Design officer at ARDA
- (Feb 1999 - April 2001) Designer Engineer at ARDA
- (Jan 1999-Nov 1999) Consultant Engineer at Amjad Company for Trading and Engineering, Sana'a,
- (Dec 1998 - Jan 2000) Construction consultant Engineer, Abu Fara'a Foundation for Investment & Development, Sana'a, Yemen.
- (Sep 1998 – Dec 1999) Construction Site Engineer at Etgan Engineering & Construction, Sana'a, Yemen.

### **Honors/Awards**

Bronze Medal Award: the Research Management Centre (RMC), Universiti Putra Malaysia at the Innovation and Research Exhibition on 28<sup>th</sup> – 30<sup>th</sup> July, 2009 (PRPi 09). For the invention of Water Resources Management Model to Mitigate the Effects of Land Use Changes in a watershed (WARM). In: Applied Research, Science, Technology and Engineering Cluster.

Bronze Medal Award: 9<sup>th</sup> Malaysia Technology Expo 4th February 2010 Putra World Trade Centre - Kuala Lumpur, Invention and Innovation Competition. Ministry of Science, Technology and Innovation Malaysia (MTE2010). For the invention of DSS-WARM (Decision Support System- Watershed Resources Management Model).

### **Patent & Copyright**

Patent Name: An Optimum Watershed Runoff Management System and A Method Thereof

Patent Status: Registered at UPM (PI 2010002627).

Copyright for Watershed Runoff Management Model (WARM©ver1.5), MAMS 1&2 (2010).

### **Research Fellowships, Awards**

Fulbright Scholar, University of Nebraska-Lincoln, Fulbright Scholarship (Aug2014-Feb2015).

Student Attachment fellowship from MIMOS Berhad (2009-2010).

Graduate Research Assistant (GRA) from Universiti Putra Malaysia (UPM) fellowship, (2006-2009).

Graduate Student Scholarship from Ministry of Higher Education & Scientific Research-Yemen,(2004-2010)

## **Publications List**

### **A. Thesis**

- Decision Support System For Optimal Design And Operation of Ponds For Watershed Runoff Management. PhD thesis, 2010, University Putra Malaysia.
- Development of A Stormwater Storage System For A Parking Lot In Sana'a City. Master thesis, 2006, University Putra Malaysia.

### **B. Journals & conferences**

- **Alansi, A. W** & Walid, A. Ali. The role of water supply networks leakage on Sana'a water resources sustainability. (in preparation stage).
- **Alansi, A.W**, MSM Amin, G Abdul Halim, Shafri HZM (2012). ARCSWAT-based Watershed Runoff Management Model (WARM). Part 1: Concept and Development, Hydrology and Earth System Sciences (in press).
- **Alansi, A.W**, MSM Amin, G Abdul Halim, Shafri HZM (2012 ). ARCSWAT-based Watershed Runoff Management Model (WARM). Part 2: Model Application (in press).
- **Alansi A.W**, MSM Amin, G Abdul Halim, Shafri HZM, Thamer AM, Waleed ARM, W Aimrun and M H Ezrin. (2009). The Effect of Development and Land Use Change on Rainfall-Runoff and Runoff-Sediment Relationships Under Humid Tropical Condition: Case Study of Bernam Watershed Malaysia. European Journal of Scientific Research. Vol. 31, Issue 1, 88-105.
- **Alansi, A. W.**, Amin, M. S. M., Halim, G. A., Shafri, H. Z. M., & Aimrun, W. (2009). Validation of SWAT model for stream flow simulation and forecasting in Upper Bernam humid tropical river basin, Malaysia. Hydrology and Earth System Sciences Discussions, 6, 7581-7609.
- **Alansi. A.W.**, M.S.M. Amin, G. Abdul Halim, Helmi Z. M. Shafri and W. Aimrun. (2008). Optimization Techniques Toward Best Watershed Management: An Overview. International Conference on Civil Engineering 2008 (ICCE'08): Challenges in Facing Natural Hazards for Future Engineering Practice. 12th-14th May 2008 at Hyatt Regency Kuantan Resort, Kuantan, Pahang, Malaysia.
- **Alansi A.W.** Amin MSM, Dahlan ARA, A, Irdawati AR, Saliza H. Maintain Irrigation Water Sustainability for Rice Granary for AgriGRID Project. 2nd KnowledgeGRID Malaysia Forum 2009. 26-28 October 2009. University Malaysia Terengganu, Malaysia.
- **Alansi. A.W.**, M.S.M. Amin, G. Abdul Halim, Helmi Z. M. Shafri W.A.R.M. Waleed and W. Aimrun.. Forecasting The Effect of Future Landuse on Watershed Water Resources in Upper Bernam Watershed, Malaysia. International Advanced Technology Congress (ATCi), 3-5 November 2009, PWTC, Malaysia.
- **Alansi. A.W.**, Amin MSM, Dahlan ARA, Al, Irdawati AR, Saliza H. Forecasting the Future of Irrigation Water Sustainability in Upper Bernam River Basin, as part of AgriGRID Malaysia. International Conference on Recent and Emerging Advanced Technologies in Engineering 2009 (iCREATE 2009). 23-24 November 2009, Kuala Lumpur International Airport Pan Pacific Hotel, Sepang, Malaysia.

## **International Projects Developed**

- Development of river flow estimator for impact of land use changes (RIFEILD) (2006 -2009) E-SCIENCE fund, Ministry of Science, Technology & Innovation (MOSTI), Malaysia.
- Development of Agricultural GRID portal (agriGRID) (2009 -2010), E-SCIENCE fund, Ministry of Science, Technology & Innovation (MOSTI), Malaysia.
- EIA study for serdang wastewater treatment plant, Specialist group company, Malaysia. (March 2009).
- EIA study for Kajang landfill, Specialist group company, Malaysia. (October 2009).
- Prepare feasibility, EIA, design details for Kambong jaya wastewater treatment plant, Specialist group company, Malaysia. (Jan 2010).
- Prepare feasibility, EIA, design details for Awang lama wastewater treatment plant, Specialist group company, Malaysia. (April 2010).

## **Government Projects Achieved**

- Prepare feasibility, EIA, design details for more than 60 projects (Dams, water network, storage facility and others) under Agricultural & Rural Development Authority (ARDA), Ministry of Agriculture and Irrigation, Yemen. (1998-2002).
- Prepare TOR & technical specification & estimated cost for many projects (Dams, water network, storage facility and others) under (ARDA), Ministry of Agriculture and Irrigation, Yemen. (1998-2002).
- Prepared the technical analysis for many project's tender (Dams, water network, storage facility and others) under (ARDA), Ministry of Agriculture and Irrigation, Yemen. (1998-2002).

## **Private sector Projects Achieved**

- EIA for sold biomedical waste & wastewater of University of Science & technology Hospital, WETC, Sana'a Yemen. (April 2013).
- Prepared TOR & technical specification & estimated cost for many projects (Dams, water network, storage facility and others) under (ARDA), Ministry of Agriculture and Irrigation, Yemen. (1998-2002).
- Prepared the technical analysis for many project's tender (Dams, water network, storage facility and others) under (ARDA), Ministry of Agriculture and Irrigation, Yemen. (1998-2002).

## **Community Services Achievements**

- Free training & water samples tests provided for community via WETC.
- Helping researchers in getting versus data and samples testing in WETC lab
- Cooperation with Gov. Authorities for solving water & environment sustainability in Yemen.

## **Training, Long Courses**

The leadership skills, 10 October 2017 – 21 Feb 2018. Teaching & Learning Center, University Science & Technology, Sana'a -Yemen.

The nature of education at the university level, 06 March – 21 June 2014. Teaching & Learning Center, University Science & Technology, Sana'a -Yemen.

Program Specification Documents (PSD), 20 April – 5 June 2013. Teaching & Learning Center, University Science & Technology, Sana'a -Yemen.

## **Training, Short Courses**

Supervision Skills, 12-15 December 2017, Teaching & Learning Center, University Science & Technology, Sana'a -Yemen

Teaching Methods according to the quality standards, 16-18 December 2013, Teaching & Learning Center, University Science & Technology, Sana'a -Yemen.

Courses Description according to the quality standards, 16-21 November 2013, Teaching & Learning Center, University Science & Technology, Sana'a -Yemen.

ArcGIS Desktop II: Tools and Functionality. August 2009. ESRI Malaysia Training Centre. Kuala Lumpur. Malaysia.

ArcGIS Desktop III: Tools and Functionality. August 2009. ESRI Malaysia Training Centre. Kuala Lumpur. Malaysia.

Environmental Impact Assessment for SFD projects. Social Fund for Development, World Bank 17-18 March 2003. Sana'a, Yemen.

Operation and maintenance for the Modern Irrigation System. *Food and Agriculture*, United Nations (FAO), 2- 7 October 1999. Sana'a, Yemen.

MS-DOS operation System. 9/4/1994 – 13/4/1994, Baghdad Information Technology Services, Baghdad, Iraq.

Microcomputer and application. 26/3/1994 – 26/4/1994, Baghdad Information Technology Services, Baghdad, Iraq.

## **Professional Affiliations**

### **Member:**

University Science & Technology academic staff Syndicate

The American Association of Yemeni Scientists and Professionals (AAYSPP)

American Society of Civil Engineers (ASCE).

The Environmental and Water Resources Institute (EWRI) of ASCE

American Geophysical Union (AGU)

American Society of Agricultural and Biological Engineers (ASABE)

Malaysian Remote Sensing Society (MRSS):.

**Skills:**

- Excellent communication skills
- Excellent report writing skills
- Excellent presentation skills
- Project Financial/budget preparation & management skills
- Excellent organizational and coordination capacities
- Excellent in tenders preparation and evaluation
- Excellent in applying WASH software (GIS, waterCAD, SewerCAD, GPS, SWAT & other software)

**Personal Qualities:**

- Strong interpersonal and intercultural skills
- Proactive and self-motivated
- Highly analytical and strategic approach
- Able to work autonomously and in difficult context area
- Good team player & team leader
- Flexible to requirements of mission and context

**Languages**

Language	Reading	Speaking	Writing
Arabic	Excellent (Mother Tongue)		
English	Good	Good	Good