

# مرتضی فیروزی

## مشخصات فردی



تاریخ تولد: ۱۳۶۴/۳/۲۱

وضعیت نظام وظیفه: پایان خدمت (۱۸ ماه)

آخرین مدرک تحصیلی: دکتری مهندسی عمران (آب)

وضعیت تأهل: متأهل (دارای یک فرزند دختر)

وضعیت اشتغال: مدیر کنترل کیفی و مدیر فنی بازرسی

عضو هیأت مدیره شرکت مشاوران ارزش آفرین افرا؛ کارگزاری ترویج معاونت علمی، فناوری ریاست جمهوری در استان آذربایجان غربی

## سوابق تحصیلی

پسالدکتری: گروه هیدرولوژی و منابع آب، دانشگاه منابع طبیعی و علوم زیستی وین، اتریش (BOKU)

دکتری: دانشکده مهندسی عمران، دانشگاه صنعتی مالزی (UTM)

کارشناسی ارشد: دانشکده مهندسی عمران، دانشگاه صنعتی مالزی (UTM)

کارشناسی: دانشکده مهندسی کشاورزی (گروه مهندسی آب)، دانشگاه ارومیه

## سوابق آموزش

دانشگاه صنعتی مالک اشتر، دانشکده پدافند غیرعامل (مقطع دکتری)، تدریس

دانشگاه غیردولتی - غیرانتفاعی دانش البرز، آبیگ قزوین، گروه مهندسی عمران (تحصیلات تکمیلی) تدریس و راهنمایی پایان نامه

دانشگاه آزاد اسلامی واحد ارومیه، گروه مهندسی عمران (مقطع کارشناسی)، تدریس

مؤسسه آموزش عالی غیرانتفاعی علم و فن ارومیه، گروه مهندسی عمران (مقطع کارشناسی)، تدریس

دانشگاه الزهرا - تحصیلات تکمیلی شعبه ارومیه، تدریس کارگاه آموزشی

دانشگاه صنعتی مالزی (مقطع کارشناسی)، استاد یار، آزمایشگاه هیدرولیک

## سوابق پژوهش

چاپ و انتشار مقالات علمی در مجلات بین المللی ISI و SCOPUS، فصل کتاب و کنفرانس های بین المللی

داوری در بیش از ۱۵ نشریه بین المللی ISI و SCOPUS داوری در بیش از ۱۰ کنفرانس و سمینار بین المللی

عضو هیأت تحریریه نشریه مهندسی و مدیریت ساخت

راهنمایی ۸ پایان نامه کارشناسی ارشد گروه مهندسی عمران

## Work Experience

**Aug 2022 – Now** BARZIN GmbH, Vienna, Austria

**Responsibilities:** Remote Technical Coordinator & Head of Human Resource Development

**Jan 2020 – Now** ISATIS Science Production Equipment (ISPE), Tehran, Iran

**Responsibilities:** QA/QC Manager

**Feb. 2019 – Now** University Lecturer/ Supervisor

Teaching graduate and postgraduate students (Master's and PhD) of Civil Engineering and Architecture in different universities always with high evaluation scores by students. Supervised 6 master dissertations mainly on the topic of Sustainable Development in Construction.

**Courses I taught at university:**

**Graduate:** Hydraulics, Introduction to Dam Construction and Concrete Technology

**Postgraduate (Construction Management):** Sustainable Development in construction, Management Information Systems (MIS) and Introducing ISO/IEC 27001, Health, Safety and Environment Management (HSE) including ISO 9001, ISO 14001, ISO 45001 and HSE-MS; Innovation Management in Construction based on ISO 56001

**Dec 2020 – Sept 2021** Ghods Niroo Consulting Engineering Company, Tehran, Iran

Research project member on “Evaluating ecosystem services and identifying solutions to increase resilience, adaptability and reduce climate change effects in the Urmia Lake watershed.

**Responsibilities:** QC of collected data, Forming and managing the executive teams in the local communities, Liaison and interview with internal and external stakeholders, QC of the final project report

**May 2020 – Dec 2020** Part Arayeh Tarh Consulting Engineering Company, Urmia, Iran

Project leader of the project entitled “Integrated management of socio-cultural activities within the framework of Urmia Lake restoration program”.

**Responsibilities:** Led the project, Selected the contractors and executive teams in 6 sub-categories based on EFQM, Liaison and interview with internal and external stakeholders, QC of the final project report

**Mar 2020- Dec 2020** University Science Park Incubators, Urmia University, Urmia, Iran

Member of a start-up project entitled “Smart Greenhouse”, QA/QC Manager

**Responsibilities:** Market research, Identifying the current challenges of greenhouses on water and energy consumption based on ISO 46001:2019, ISO 5001 & EN 16001.

**Jul 2020- Jul 2022**

Visiting researcher (remote unpaid position), Tabriz University, Iran

Researcher with two publications on water quality and Flood Disaster Management based on ISO/IEC 24762

**Jul 2016- June 2017**

Research Assistant (RA), Universiti Teknologi Malaysia, Malaysia

**Nov 2016- Apr 2017**

UNESCO Regional Centre on Urban Water Management

**Responsibilities:** Remote from Malaysia, Technical Editor of the report entitled “Restoring the Urban Stream flows and Qanats of Tehran metropolitan area” – in Persian and coordinating a group technical visit from Iran’s Ministry of Power to Malaysia and Singapore.

**Nov 2013- Jun 2014**

International Student Centre, Universiti Teknologi Malaysia

**Responsibilities:** Public Relation Assistant, Part-time job; Monitoring the student societies and coordinating the activities in the university; Document Controller for students' Visa and Insurance

## **PUBLICATIONS**

### **JOURNAL**

M Zibarzani, **M Firouzi**, B Hessari, MA NekooieA (2023). Social Network Analysis based Multi-Criteria Decision Making for Assessment of Flood Risk Management Alternatives, Emergency Management 11, 2 (**Persian**)

B Hessari, **M Firouzi**, M Jafari Bari (2022) Zoning of Boron contamination under influence of hot spring in the northwest of Lake Urmia, Iran, Environmental Resources Research. DOI: 10.22069/IJERR.2022.6304

Beheshti Z, **Firouzi M**, Shamsuddin SM\*, Zibarzani M, Yusop Z. (2015). A new rainfall forecasting model using the CAPSO algorithm and an artificial neural network. Neural Computing & Applications. DOI: 10.1007/s00521-015-2024-7. In press

**Firouzi M**, Shamsudin S, Nekooie MA, Reis AJ, Ibrahim M\*. (2012). Pervious Concrete Texture Analysis for Infiltration Rate Evaluation. Advanced Science Letters. 13, 877-878. DOI: 10.1166/asl.2012.3924

### **BOOK CHAPTER (peer-reviewed)**

Tayefeh M, Hessari B., **Firouzi M**, Yusop, Z. (2016). A Comparison of Missing Streamflow Data Estimation Techniques Applied to Karkheh River, Iran. In S. Harun & M. Jajarmizadeh, eds .Contribution of Statistics and Modelling in Hydrological Phenomena Prediction., Chapter 2., pp. 23–37.

## CONFERENCE

**Firouzi M.** Yusop, Z. Salarpour M, (2010). Water Demand Management Strategies in Developed and Developing Countries, A review. The 1st IWA Malaysia Young Water Professionals Conference (IWAYWP). 2-4 Mar. Putri Pacific Hotel, Kuala Lumpur, Malaysia

Shamsuddin S, Rahman AB, Shukor M, **Firouzi M**, (2010). Rainfall Characteristics for Central Region of Malaysia Using Statistical Analysis. The International Conference on Environmental Science and Technology (ICEST). Bangkok, Thailand 25-27 Apr.

Shamsuddin S, **Firouzi M**, Shamsuddin S, Noordin J. (2010) Evaluating Floodplain Management Alternatives Using Multi Criteria Decision Making (MCDM) Approach. The 1st IWA Malaysia Young Water Professionals Conference (IWAYWP). 2-4 Mar. Putri Pacific Hotel, Kuala Lumpur, Malaysia

Salarpour M, Abdrahman N, **Firouzi M**. (2010). Development of 1D Flood Mapping Using INFOWORKS-RS for Skudai River Basin. The 3rd International Graduate Conference on Engineering, Science and Humanity (IGCESH), UTM, Johor, Malaysia 2-4 Nov.

## Language Proficiency

English	Professional working proficiency
Azerbaijani	Native proficiency
Turkish	Intermediate
Malay	Beginner

## Professional Membership/ Conference Committee Member

Year	Position	Event/ Organization
2016	Reviewer	IAJC/ISAM Joint International Conference, Nov 6-8, 2016. Orlando, Florida ( <a href="http://2016.iajc.org/">http://2016.iajc.org/</a> )
2014-15	Conference Technical Committee Member	3 <sup>rd</sup> International Conference on Water Resources, Nov 24-15, 2015. Langkawi, Malaysia (ICWR 2015) ( <a href="http://seminar.utmspace.edu.my/icwr2015/">http://seminar.utmspace.edu.my/icwr2015/</a> )
2010-Present	Secretary	The International Association for Hydro-Environment Engineering and Research (IAHR) Student branch at UTM ( <a href="http://www.iahr.net">www.iahr.net</a> ) - Membership No.: SA-1931
2011	Postgraduate Students Representative	SPS-UTM Strategic planning workshop, Mutiara Motors Resort, Kota Tinggi

2011-12	Conference Technical Committee Member	Hydrology and Water Resources Field, International Conference on Water Resources, 5-9 Nov. 2012, Langkawi, Malaysia (ICWR 2012) ( <a href="http://seminar.utmspace.utm.my/icwr2012/home.html">http://seminar.utmspace.utm.my/icwr2012/home.html</a> )
2011	Volunteer Committee Member	Volunteers Program” at 2 <sup>nd</sup> IWA Development Congress & Exhibition Organized by Malaysian Water Association (MWA).
2009-11	Committee Member (Student Affairs)	Iranian Students Society of Universiti Teknologi Malaysia (ISS-IRAN-UTM) – 2-year
2010-11	Committee Member	Post Graduate Student Society of Civil Eng. Faculty, UTM (PGSS-Civil)
2011	Member of Organization Committee	The 1 <sup>st</sup> Biennial International Group Theory Conference, (BIGTC 2011), Ibnu Sina Institute of Fundamental Science Studies, UTM, Johor , Malaysia, 14-18 Feb. 2011.
2007-08	Representative at Urmia University	Iranian National Committee on Irrigation & Drainage (IRNCID) at Urmia University ( <a href="http://www.irncid.org">www.irncid.org</a> )
2005-11	Organizer / Volunteer	<ul style="list-style-type: none"> <li>• Student Orientation Week (MOPA), UTM (6-semester)</li> <li>• Professional/ Technical Workshops, UTM &amp; Urmia University</li> </ul>
2005-14	Other Memberships	<ul style="list-style-type: none"> <li>• International Water Association (IWA) Membership No.:01039184</li> <li>• International Association of Hydrological Science (IAHS Membership No.: 12258)</li> <li>• Iranian National Committee on Irrigation &amp; Drainage (IRNCID)- Membership No.: 1153</li> <li>• President of Water Engineering Student Society at Urmia University</li> </ul>