



**Al-Zaytoonah University of Jordan**

**Faculty of Engineering**

**Department of Civil Engineering**

**and Infrastructure**



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|  | Academic Rank   | Instructor   |
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|  | Nationality   | Jordanian<br>Canadian                                      |
| <b>Education</b>   | <b>Present</b>  | Ph.D student (May 2012 – now), Concordia Univ. Canada      |
|  | <b>Degree</b>   | M.A.Sc. in Civil Engineering, 2009, Concordia Univ. Canada |
|  | <b>Major</b>  | Civil Engineering  |
|  | <b>Dissertation Title</b>   | Characteristics of Hydrocyclone flows                      |
| <b>Taught Courses</b>  | Hydrology, Hydraulics, Water Resources Engineering, Introduction to Civil Engineering Design, Probability and Statistics for Engineers, Technical Writing, Highway lab, Sanitary and Environmental lab, Hydraulics lab, Engineering Mechanics.  |  |
| <b>Technical Skills</b>  | <ul style="list-style-type: none"> <li>▪ Computational Fluid Dynamics (CFD) software (Gambit and Fluent).</li> <li>▪ Laser Doppler Anemometry (LDA) device.</li> <li>▪ Primavera system and Microsoft Project software.</li> <li>▪ GoldSET Software for Site Remediation Modeling</li> <li>▪ ModelMaker Software for Water Quality Modeling</li> <li>▪ HEC-HMS and HEC RAS for Hydrologic Modeling</li> </ul> |  |

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| <b>Field of Research</b>       | Hydraulic Structures Analysis and Modeling, Environment-hydraulics systems.   |
| <b>Publications</b>            | <p>1) Ramamurthy, A., Tadyon,R. and <b>Al Kayed,M.</b>, “LDA Measurement in Cylindrical Containers without using Planar Secondary Units”, ASCE Journal of Hydraulic Engineering, 2012, Vol. 138, Issue 11 , pp. 970-973.</p> <p>2) J.A. Delgadillo, <b>M. Al Kayed</b>, D. Vo, A.S. Ramamurthy, “CFD simulations of a hydrocyclone in absence of an air core” , Journal of Mining and Metallurgy, Section B: Metallurgy - vol. 48 (2) B – Oct. 2012, pp 197-206.</p>  |
| <b>Professional experience</b> | <p><b>Academic sector</b></p> <ol style="list-style-type: none"> <li>1. Al-Zaytoonah University of Jordan, Faculty of Engineering, Department of Civil Engineering and Infrastructure. Feb. 2010 – now</li> <li>2. Concordia University, Department of Building, Civil and Environmental Engineering, Graduate Research. Sep. 2005 – June 2009</li> </ol> <p><b>Industrial Sector</b></p> <ol style="list-style-type: none"> <li>1. Bin Hafeez Est., U.A.E. , Acting Project Manager and Project Engineer. April 1997 – Aug. 2005</li> <li>2. Saif Bin Darwish Civil Engineering Contractor, U.A.E., Deputy Project Manager. Dec.94- Feb.97</li> <li>3. Saleh and Abdulaziz Abahusain Company, K.S.A, Project Manager. July 90- Nov. 94</li> <li>4. Hudhudshand LTD, Jordan, Site Engineer. Sep. 87- Jan.97</li> <li>5. Royal Corps of Engineers, Jordan, Site Inspector. Sep.85- Aug.87</li> </ol> |