

Curriculum Vitae

Dr. Hayat Kareem Shukur Azawi

Mustansiriyah University – College of Engineering

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PERSONAL SUMMARY:

- Have the ability to teach the following subjects:
Hydrology, Fluid Mechanics, Groundwater Hydrology, Stream Restoration, SWMM Storm Water Management Model, Computer Science, GIS, Introduction to Environmental Modeling, Drawing Engineering, Environmental Data Analysis & Modeling, Air Pollution.

EDUCATION:

- Ph.D. : Civil and Environmental Engineering, Oklahoma State University, Stillwater, USA in May, 2013.
- M.Sc. : Civil Engineering at Al-Mustansiriyah University, Baghdad, Iraq in June, 2002.
- B.Sc. : Civil Engineering at Al-Mustansiriyah University, Baghdad, Iraq in July, 1994.

ACADEMIC HONORS AND AWARDS:

- 2015, Dean Award for obtaining Ph.D from USA.
- Phi Kappa Phi National Honor Society Membership for Outstanding Academic Achievement, USA, 2010, 2011
- Golden Key National Honor Society Membership for Outstanding Academic Achievement, USA, 2010, 2011

ACADEMIC /TEACHING EXPERIENCE:

- (2014 – 2017) Teaching Hydrology, Fluid Mechanics and Engineering Drawing for undergraduate students at the Department of Civil, Highway and Transportation, and Environmental Engineering, in Al-Mustansiriyah University, Baghdad, Iraq.
- (2007-2014) working as Teaching Assistant and Research Assistant in Oklahoma State University, Boismystem Engineering Department, USA.
- (2000 - 2007) Instructor for the following courses: Computer Science, and Engineering Drawing at the Department of Environmental Engineering, Al-Mustansiriyah University, Baghdad, Iraq.
- (2016-2017) Member of the Examinations Committee at the Department of Civil Engineering, Al-Mustansiriyah University, Baghdad, Iraq.
- (2017-2020) instructor for the following course: Headway plus for academic writing -Level 3& Level 3. English language and Environmental aware.

COURSES TAUGHT:

Undergraduate	Graduate
Hydrology, Fluid Mechanics, Fluid Lab, Computer Science and Engineering Drawing – Environmental Aware, English language	English language-level 2-Master Students English language-level 3-Ph. D Students

PROFESSIONAL AFFILIATIONS:

- Conducted research to evaluate sewer network by Comparative Application between Rational Method & Unit Hydrograph Method.
- Utilized Microsoft Excel, GIS, power point to chart and analyze data during field visit an independent research during 2000-2002. And work in the National Centre for engineering Consultancy from July 1995 to October 1995.
- Attended the CHI professional training on PCSWMM and EPA SWMM5 modeling in Web Training October 29-November 2, 2012 and got single user licenses.

PUBLICATIONS:

- Modeling the impact of rainwater harvesting on storm water runoff ,. IOP,2020
- Investigation of permeable pavement implementation in Baghdad using PCSWMM Model, Environment and Natural Resources Research, 2018.
- Application of Monte Carlo Simulation to Find Travel Time of Groundwater in the Iraqi Western Desert, Environment and Natural Resources Research, Vol. 8, No. 1.201
- Design a Vegetative Filter Strips Length Using VFSMOD_W for Reducing Sediments and Pesticides. Journal of Al-khourizmy University.2017
- Estimation of Curve Numbers using GIS and Hec-GeoHMS model. Journal of Baghdad University.2017
- Measurement of the parameters affecting the formation and breakage of flocs, Journal of Hydraulic Engineering, 2000 Center Point Drive, Suite 2200, Columbia, SC 29210.2011.



الإستاذ المساعد الدكتور
علي جبار كاظم
معاون العميد
للشؤون العلمية والدراسات العليا

الإستاذ المساعد الدكتور
ميدحت شاكور ملاح
رئيس قسم هندسة الموارد المائية