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**Academic Curriculum Vitae**



**Personal Information:**

Full Name: Dr. Mohammed Anwer Jassim

Academic Title: Assistant Professor

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**Education:**

* Doctor Philosophy in applied sciences of surveying Engineering and Geomatics.

State University of land use planning (GUZ). Russian Federation. Moscow. 1995

* MSc in science of surveying Engineering and Cadaster.

Polytechnic Institute named Albairouny. USSR. Tashkent. 1991.

* BSc in science of Surveying Engineering.

Baghdad University - College of Engineering. Iraq. Baghdad. 1985.

**Employment:**

* Ministry of Iraqi Defense. 1985.
* Organization of Technical Institutes – Technical College of Baghdad. 1996.
* AL Nahrain University. College of Engineering. 1998.
* Baghdad University - Engineering College – Surveying engineering department. Postgraduate Courses Lecturer. 2000.
* State Authority of Accommodation. 2004.
* Salahaddin University – College of Engineering – Geomatics Engineering Dep. 2011.

**Qualifications**

* Qualification in teaching methods.
* Qualification of GIS I/II.
* Qualification of Russian Language teaching.
* Qualification of senior leadership preparation.
* Qualification of Human Rights Watch.

**Teaching experience:**

* Lecturer of the following postgraduate courses (PhD, MSc, & H. Diploma):

Advanced geodesy. Advanced surveying engineering. Advanced least squares adjustment. Digital mapping & advanced cartography. GNSS for transportation.

* Lecturer of the following undergraduate courses:
* Hydrographic surveying. Adjustment theory. Global Geodesy. Theory of errors. Plane Surveying. Cartography. Data Processing. GNSS. Engineering Drawing.

Engineering & Construction Surveying. Cadastral Surveying. Precise Surveying Instruments.

* Course of GIS. Course of the modern methods and instruments of plane surveying.
* Lectures about Geodata base structure.
* Lectures about modern techniques and instruments of plane surveying.

**Research and publications**

* Paper titled "Automation of the surveying works for the city cadastre in Iraq" student conference of Poly Technical institute of Tashkent. 1991.
* Paper titled "Error propagation in the positions of the boundaries pointes in case of urban areas" – Journal Geodesy and Cartography - No. 9. September 1993.
* Research: "Accuracy analysis of the digital information obtained by methods of digitizing for map production". The first scientific conference of the state commission for surveying -ministry of irrigation. 1996.
* Research titled “TIN Model extraction for Dukan Lake floor using HYPACK system”. Zanco Journal of pure and applied sciences. Vol.27, No.6, 2015.

 URL: <http://zancojournals.su.edu.krd/index.php/JPAS/article/view/347>

* Research titled “Accuracy analysis of boundary point establishment based genetic algorithm optimization”. General sciences Journal-Erbil polytechnic University. Vol.6, No.1, 2016.

 URL: <http://www.epu.edu.krd/journal/index.php?page=research&id=19>

* Research titled “Novel (RDQ) method for precise Qibla determination using GNSS built in a computer software”. Zanco Journal of pure and applied sciences. Vol.28, No.2, 2016.

 URL: <http://zancojournals.su.edu.krd/index.php/JPAS/article/view/840>

* Research titled “The Ellipse of Position Error”. Zanco Journal of pure and applied sciences. Vol.31, No. S3, Supplementary issue. 2019.

 URL: <http://zancojournals.su.edu.krd/index.php/JPAS/article/view/3257>

* Research titled “The Error in Calculated Distance due to the propagation of

Positions Error”. IOP Publishing - IOP Conf. Series: Materials Science and Engineering 737 (2020) 012227. 2020

URL: https://iopscience.iop.org/issue/1757-899X/737/1

* Research titled “GNSS Observations to Find the Relationship between The Global Datum World Geodetic System WGS84 and the Local Datum Karbala 1979. A Case Study of Erbil-Duhok Territory”. The journal of Duhok University-Pure and Engineering Sciences, Vol. 22 No.2 (2019).

URL: <http://journal.uod.ac/index.php/uodjournal/article/view/587>

* Research titled “Local Geoid Model Generation Using the Geometrical Approach”. Journal of Civil Engineering and Architecture, USA. Vol. 15. 2021.

URL: <http://www.davidpublisher.com/index.php/Home/Article/index?id=46266.html>

* Research titled “Novel Approach of Adjustment Theory Based on ANN Backpropagation”. Journal of Civil Engineering and Architecture, USA. Vol. 15. No. 5. 2021. URL: <http://www.davidpublisher.org/index.php/Home/Journal/detail?journalid=30&jx=JCEA&cont=1>
* Research titled “Evaluation of the direct UTM coordinates transformation based on the standard 7- parameters method”. Journal of Civil Engineering and Architecture, USA. Vol. 16. No. 8, 2022.

URL: <https://www.davidpublisher.com/index.php/Home/Article/index?id=48071.html>

* Lectures “The systems of coordinates and data capturing for GIS applications". UN- HABITAT. Booklet of the workshop – 2005.
* Lectures about "Using the modern instruments and methods in the applications of the field surveying". Arabic united for technical education. Booklet of the workshop. 2004.
* Research titled “Optimization of the Urban Green Area in Erbil Territory for Sustainable Development”. Journal of periodicals of engineering and natural sciences. Vol. 11, No. 3. 22 May 2023.

URL: http://pen.ius.edu.ba/index.php/pen/article/view/3555

* Research titled “Effect of Latitude as a Significant Element on The Results of Direct UTM Coordinates Transformation Method”. Journal of photogrammetric engineering and remote sensing. Accepted to publishing in the special issue of innovation. April 2023.

**Conferences and courses attended**

* Give details of any conferences you have attended, and those at which you have presented delivered poster presentations.
* Training course in Arc GIS (I & II) and its applications. Amman - Jordan. December 2004. UN – HABITAT.
* Training course of development the abilities of trainers on Arc GIS by coordinating with the UN – HABITAT in Iraq. Baghdad – Iraq. 2005.
* Scientific conference of UN – Relief and works agency for Palestine refugees. "Geo-database building with ArcGIS system". Jordan - Amman. 2006.
* First International conference on engineering and innovative technology (SU-ICEIT2016). Erbil, Kurdistan, Iraq. April 2016.
* Second International conference on engineering and innovative technology (SU-ICEIT2019). Erbil, Kurdistan, Iraq. April 2019.
* The 4th International Conference on Buildings, Construction and Environmental Engineering. Istanbul - Turkey. Oct. 2019.
* Training course on ArcGIS I/II and its applications in Info-Graph training center. Amman. Jordan 2004.
* Training course in “methods of teaching”, Salahaddin University-Erbil, Erbil - Kurdistan region - Iraq. 2012.
* Training course in “senior leadership preparation course”. Ministry of planning in Iraq. Baghdad. Iraq. 2002.
* Workshop of remote sensing technology and its applications in Iraq -Mosul University – 1988.
* Workshop about the remote sensing applications and space images interpretation. The Iraqi association of remote sensing Baghdad –1997.
* Workshop "The aspects of development of the surveying department in engineering college in Baghdad University". Sept- 2000.
* Workshop of "Establishing of the GIS center in the ministry of the planning". Baghdad Oct. - 2004.

**Funding and academic awards**

* Scholarship of higher education for MSc & PhD studies. Ministry of higher education & scientific research in Iraq. 1989.

**Professional memberships**

* Membership of Iraqi engineers’ union.
* Membership of the Kurdistan engineers’ union.
* Reviewer of Zanco Journal of Pure & Applied Sciences.

**Professional Social Network Accounts:**

* ResearchGate: <https://www.researchgate.net/profile/Dr-Mohammed-Jassim>.
* LinkedIn: <https://www.linkedin.com/in/mohammed-anwer-jassim-85167b134/>
* Google Scholar: <https://scholar.google.com/citations?user=IDWjGGYAAAAJ&hl=en>
* ORCID: https://orcid.org/my-orcid?orcid=0000-0001-8599-2819
* Face Book: <https://www.facebook.com/mohamad.alothman.372>