

Curriculum Vita – Brief Bibliography



Personal Details:

Name: Aveen Omer Hamad
Address: House NO. 2, Alley 24, Q.230, Runaki Dist., Erbil Governorate, Iraq
Email address: aveen.hamad@epu.edu.iq
Gender: Female
Place of Birth: Erbil – Kurdistan Regional of Iraq
Date of Birth: 16 June
Race: Kurdish
Religion: Muslim
Martial Status: Single

Language Skills:

Kurdish: Mother Tongue
Arabic: Fluent in Speaking, excellent in writing
English: - Written (excellent)
- Speak (good)

Academic Qualifications:

- ❖ 2004 B.Sc. Geology at Science college, University of Salahaddin, Erbil, Iraq
- ❖ 2010 High Diploma Remote sensing and GIS at soil and water department, University of Salahaddin, Erbil, Iraq
- ❖ 2016 M.Sc. Remote sensing and GIS at soil and water department, University of Salahaddin, Erbil, Iraq

Thesis

- ❖ Vegetation Cover Density Assessment Using Geo-informatics Techniques.(High Diploma,2010)
- ❖ Drought Monitoring Using Geoinformatics Techniques in Several Districts of Iraqi Kurdistan Region.(M.Sc.,2016)

Aim of the Study

- Use Geoinformatics techniques for monitoring, mapping, and assessment of the drought phenomenon and vegetation cover density.
- To evaluate the practicality of integrating remote sensing, and field observations to approximate the impact of drought and human use on vegetation cover and drought severity.

Analysis Approach

Analyzing the impacts of drought on the vegetative cover, soil/vegetation moisture, LST, water bodies surface area.

Membership:

Kurdistan Geologists syndicate – Erbil (Since 2006)

Computer Skills and software packages:

- ❖ ERMapper ver.7.1 - digital image processing, processing indices, thematic images producing, classification, calculating area, statistical data and features masking.
- ❖ ArcView ver.3.2a and ArcGIS ver.10.3 - displaying, subsequent processing, and enhancement of the image, analyzing and presenting the results.
- ❖ ERDAS Imagine ver.9.2 - visual analysis and interpretation Statistical Graphics
- ❖ ENVI Classic - geo-referetiation and general image processing.
- ❖ DrinC - SPI calculating
- ❖ Lat Long Converter - converting longitude and latitude
- ❖ Google Earth and Global mapper16 - general observing and marking the positions
- ❖ IBM SPSS Statistics 19 - statistical analyses
- ❖ MS Office XP

Lecturing Experience:

Employment:

1. Period: November 2004 – to date

Employer: Ministry of Higher Education & Scientific Research, Erbil Polytechnic University, Erbil Technical College

Position:

1. *Civil Engineering Department from November 2004 to date*
2. *Lecturer at the Survey Department at Erbil Polytechnic University, Erbil Technical College Institute October 2010*
3. *Lecturer at the Highway Engineering Department since October 2016 to date*

Subjects Taghut:

1. *Engineering Geology – Second Academic Year(Highway Engineering Department)*
2. *Construction Techniques – Second Academic Year (Civil Engineering Department)*
3. *Soil Mechanics – Third Academic Class(Civil Engineering Department)*
4. *Engineering Drawing – First Academic Class(Civil Engineering Department)*
5. *Surveying - Second Academic Year (Civil Engineering Department)*