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**Academic Curriculum Vitae**

**Personal Information:**



Full Name: Halmat Abubakr sabr

Academic Title: Associate professor

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Mobile: 009647504904068

**Education:**

2012-2013 Master of Science (Master) in Environmental Forestry, Bangor University School of Environment, Natural Resources and Geography, Bangor University, Bangor.

**Thesis Title**: The Impact of Projected Reduction in Summer Rainfall on Two Willow Species (*Salix cinerea and Salix caprea*).

**Modules includes**: Natural resource management, Silviculture, Forest resource assessment, Management planning, Research method.

**2005 – 2009**- University of Salahaddin – College of Agriculture – Erbil– Iraq, BSc. in Plant production (2009, Erbil).

**Modules includes**: Ecology and climate, General Botany, Forestry, Plant Classification, Principle of soil, Prin. of Horticulture, Silviculture, Irrigation and Drawing, Plant physiology, Forest protection, silviculture, forest ecology and other modules.

**Employment:**

2009-2010\ Manager for cucumber production at Gerdarasha Research Center/ Agriculture College/ Salahaddin University.

2009-2011/ became teaching Assistant\ Plant production department/ College of Agriculture/ Salahaddin University.

2014 became an assistant lecturer in Environmental Forestry.

2014, a decision maker of Forestry department \College of Agriculture/ Salahaddin University until now teaching students at the university

2016-2017/ Manager at the nursery of Forestry and members of 7th administrative duties at the department, student project and head of the students seminars

2017-2018, became a lecturer in Environmental forestry at the college of the college of Agricultural Engineering Sciences

2021-2022 became an associate professor Environmental forestry at the college of Agricultural Engineering Sciences

**Qualifications**

IT qualifications

I have a general knowledge of MS Office; MS excel programs and MS power point, data collection, quality assurance process, SPSS software for processing and statistical analysis, and using GIS and GPS tools for creating maps and location determination. My experience includes monitoring design projects, training new staff and coordinating with the staff and different departments handling each project to ensure all phases of the plan are going according to schedule.

Language qualifications such as TOEFL, IELTS or any equivalent

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| --- | --- | --- | --- | --- | --- |
| mother tongue(s) | Kurdish ( sorani and badene) | | | | |
| English language | understanding | | speaking | | writing |
| listening | reading | spoken interaction | spoken production |  |
| replace with language | very good | very good | very good | very good | very good |
| Arabic language | understanding | | speaking | | writing |
| listening | reading | spoken interaction | spoken production |  |
| replace with language | very good | very good | very good | very good | very good |

**Teaching experience:**

**List of teaching Subjects**

* Forest management-4th year students- Forestry department
* Urban Forest-4th year students- Forestry department
* Forest dynamics- Elective subject for 4th year students- Forestry department
* Forest Mensuration, 3rd year students-Forestry department
* Forest ecology and management-4th year student-Environmental sciences department –College of Science
* Forest Engineering -3rd stage students of Forestry department
* Student project for 4th year students.

**Lab supervision**

I have three years lab experience to give assistance for postgraduate and undergradute students for using tools and machines such as caliper, haga, oven ect.

**Research and publications**

1. Study some of Morphological and Physiological Traits of Kurrajong *Brachychiton populneus* (Schott & Endl.) Seedlings Planted under Water Stress Conditions
2. Response of Plane Trees, *Platanus orientalis* L. Under Environmental Pollution in Erbil city
3. Effect of Different Environment on Physical Properties of *Plantanus orientalis* L. in Erbil Governorate
4. Prediction of Leaf Area by a Non-Destructive Method of *Platanus orientalis* Tree
5. Effect of Sewage Water Irrigation on Growth Performance and Biomass for Pine Trees, *Pinus brutia* Ten. under Nursery Condition
6. Evaluation of Coniferous Forest Growth in Pirmam Forest Supported by Geographic Information System (GIS) Techniques
7. Impact of sewage water on growth of *Eucalyptus camadulensis* Dehnh and *Melia azedarach* L. Seedlings
8. Growth Performance of Black poplar (*Populus nigra* L.) Under Drought Condition and Sewage Water Irrigation
9. Growth of (*Platanus orientalis* L.) Seedlings Under Different Drought Stress Condition
10. Biomonitoring of airborne heavy metals using *Brachychiton populneus* (Schott & Endl.) leaves
11. Integrate Terrain Variables and Rapid Eye Satellite in Vegetation Indices, for Identifying Forest Cover Area and Density: A Case Study in Mountainous Iraqi Kurdistan Region (IKR)

**Conferences and courses attended**

**List of Conferences**

1. First International Conference of Agri. Sciences and Agricultural Exhibition
2. International Collaborative Conference of Modern Agricultural Technology (ICCMAT)
3. 4th international Conference on Applied Sciences Energy and Environment (ICASEE)
4. EOFactory - Reformulating Earth Observation Analytics from Pixels to Intelligence with AI/ML
5. Regulations of Scientific Promotion
6. Response of barley *Hordeum vulgare* L. To Apply Sludge in Soil
7. Biology (cancer, secrets of signaling, applications and treatment challenges) International Symposium 2021,
8. Basics of genetic modification and it role on crops improvement
9. Advances in Space Technology for Forest Resource Inventory & Management
10. How to conduct a systematic review of literature for forest science and other disciplines

**Training Courses**

1. Computer training course
2. Health and safety course
3. Perzi technology course
4. How to write an academic C V
5. Electronic learning model programme
6. Statistical analysis by SPSS
7. Atmospheric pollution
8. Local scientific journal: concerns and insights for future improvement
9. How to conduct regression analysis
10. CSA and Supply Chain: ‘Value chain design and post-harvest logistics
11. Monitoring and Implementing Drought Mitigation in Iraq
12. IFSA spring course

**Seminars presented**

1. The Impact of Projected Reduction in Summer Rainfall on Two Willow Species (*Salix cinerea and Salix caprea).*
2. Greenfield forest
3. Ecosystem services and increase tree cover in Elwy valley
4. Effect of Drought on Growth and Biomass of *Eucalyptus camladulensis* Dehnh. and *Melia azedarach* L. Seedlings in Erbil City
5. Effect Of Different Environment On Morphological and Technological Properties of *Plantanus orientalies* L. In Erbil Governorate
6. Evaluation of coniferous forest growth in Harir district supported by GIS software
7. Create Google profile for Forestry department
8. How to use Google scholar for searching papers
9. Study some of Morphological and Physiological Traits of Kurrajong *Brachychiton populneus* (Schott & Endl.) Seedlings Planted under Water Stress Conditions
10. Response of Plane Trees, *Platanus orientalis* L. Under Environmental Pollution in Erbil city
11. Prediction of Leaf Area by a Non-Destructive Method of *Platanus orientalis* Tree
12. Biomonitoring of airborne heavy metals using *Brachychiton populneus* (Schott & Endl.) leaves
13. Forest as a strategy method for carbon storage

**Funding and academic awards**

* List any bursaries, scholarships, travel grants or other sources of funding that you were awarded for research projects or to attend meetings or conferences.

**Professional memberships**

1. Kurdistan Agriculture Engineers syndicates
2. Kurdistan Teachers Union syndicates
3. Durbeen organization.

**Professional Social Network Accounts:**

<https://scholar.google.com/citations?hl=en&user=ozbL_48AAAAJ&view_op=list_works&gmla=AJsNF6UZolRDEXPZWPah8kXf4YurYLr7lhjBeyYbOP2q92d7nk5AstlwfIshDgRdc18t2Lk2-3b4eSzdC5mdFha6FJzd6vYig>

<https://academics.su.edu.krd/halmat%20abubakr%20sabr>.

<https://www.researchgate.net/profile/Halmat-Sabr>

<https://www.linkedin.com/in/halmat-sabr-3882b869/>

**Orchid ID:** [**https://orcid.org/0000-0002-1655-9306**](https://orcid.org/0000-0002-1655-9306)

**Academic cover**

 I would like to be well thought-out for the position and hope to make obvious how much I could bring to it. My research and teaching interests fit particularly well with the requirements of this post and with existing members of staff. I have extensive teaching experience in the department of forestry at university of Salahaddin, most of it paying attention on forestry sectors to this job. My work provides a useful link between Forest mensuration, forest engineering and application of GIS in the department, encouraging research and teaching collaborations.

I was awarded **my M.Sc**. by the School of Environmental natural Resource and Geograph at Bangor University in (2013). The study investigated the effect of low water supply on two willow species, *Salix cinerea* and *Salix caprea*. One-year-old cell-grown seedlings of *Salix cinerea* and *Salix caprea* from seed zone 201 (North East Scotland) were grown in a greenhouse at the Henfaes Research Centre, Bangor. The experiment was run for eight weeks from 29th of May to 19th of July 2013. Seedlings were exposed to four watering treatments (W1, W2, W3 and W4) representing different climate change scenarios. The control (W1) treatment corresponded to the average rainfall for the period 1981-2010, W2 to the predicted reduction in summer rainfall under the 2050s low emissions scenario, W3 to the predicted reduction in summer rainfall under the 2050s medium emissions scenario and W4 to the predicted reduction in summer rainfall under the 2080s high emissions scenario. The two species showed high survival rates: 100% for *Salix caprea* and 95% for *Salix cinerea*.

I have 12 years of teaching experience on forestry sciences subjects. As required I would be happy to contribute to undergraduate and postgraduate modules of both a research-led and a methodological nature urban tree ecophysiology is one of interesting subject especially for air pollution monitoring by using trees in urban cities. I am also interested in conducting researches in drought stress and tree growth in future.

I am also responsive of the taking care of the pastoral be concerned of students and take the role of tutor very seriously. I am experienced in liaising with colleagues to help students with a variety of problems.