

Hassan Najman MUHAMED

B.Sc., M.Sc. & Ph.D., Sciences in Forestry & Silviculture & Functional Community Ecology



Personal Data

Surname	MUHAMED
First & middle names	Hassan Najman
Gender	Male
Marital Status	Married, Four kids
Date & Place of Birth	January 12, 1976; Duhok, Kurdistan region
Nationality	Iraqi
Academic status	Ph.D.
Languages	Kurdish (Mother tongue), English and Arabic (spoken and written), French (spoken)
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Bio Statement

Hassan Najman MUHAMED is an Assistance Prof. and Faculty Member (Lecturer) at Department of Forestry -College of Agricultural Engineering Sciences –University of Duhok, Kurdistan Region of Iraq. He did his undergraduate study at the College of Agriculture-University of Duhok. He received his Bachelor of Forestry sciences in 2000 and began work as an administrator in the Department of forestry. In 2003 he got the opportunity to pursue his postgraduate studies in forestry sciences (M.Sc) at the University of Mousel-College of Agriculture and Forestry on accelerating the growth of oak species using growth regulators. Then, he received a [European Union \(EU\) full-time scholarship \(Erasmus Mundus\)](#) to do his [Ph.D. in France- University of Bordeaux](#). In 2012 he was awarded a Ph.D. degree after he successfully completed his project on the assessment of natural regeneration of several oak species in the coastal dunes forest ecosystem. From 2013 up to 2019 he headed the department of forestry in the College of Agricultural Engineering Sciences. Presently, he is a lecturer at the Forestry Department. He knows Kurdish and Arabic languages fluently with good skills in the English language and fair in French. Dr. Hassan MUHAMED's orientation is Silviculture and forest ecology, he focuses on the natural regeneration in forests, this includes studying all Biotic and abiotic factors that simulate and hamper this dynamic process, in addition, his research activities also include developing better methods to propagate and preserve endangered and rare plant species grown in the Kurdistan region and other parts of Iraq.

Academic Qualification

- 1996—2000: B.Sc. in Forestry sciences. Dept. of Forestry, College of Agriculture, University of Duhok, Duhok-Kurdistan region-Iraq. [UoD](#).
- 2004—2006: M.Sc. in Silviculture in Dept. of Forestry, College of Agriculture and Forestry, University of Mousl, Mosul, Iraq. [UOM](#).
- 2009—2012: Ph.D., in Functional and community ecology. BIOGECO Unite research, PhD school of the Environmental Sciences. University of Bordeaux 1, Bordeaux-France. [BOX1](#).

Training Courses

- 2006: **-Reconstruction and Development – Planning and Management** | 7-18 February [Germany, Dortmund University](#).
- 2006: **-Scientific writing and Presentation** | 12-18 October, International relations office of university of Duhok with [Uppsala University](#).
- 2009: **French language course** from 27/04/2009 to 10/07/2009. [Alliance Francaise. Bordeaux - Aquitaine. France](#).
- 2011: **ZOTERO**-The free software for design bibliography. 11 November. [Urfist. Scientific information and techniques](#). Bordeaux. [France](#).
- 2012: **“Scientific writing in English** | 9-12 January, [INRA, Bordeaux1 University, France](#).
- 2012: **-History and epistemology of science** | 7-13 November, [Bordeaux 1 University, France](#).
- 2019: **-Climate change and food security nexus** | 16-SEP-19] to 27-SEP-19 at Wageningen. Centre for Development Innovation. Wageningen University and Research, [Netherlands](#).

Courses and services provided to students and the University of Duhok

1. Teaching postgraduate course in Silviculture, Forest Nurseries, and Forest plantations.
2. Teaching undergraduate courses in Silviculture, Forest Nurseries, Forest plantations, Forest tree planting and Computer Applications.
3. Teaching undergraduate course in Communication skills
4. Supervising undergraduate student projects.
5. Membered on discussion committees of a master's thesis
6. Membered on the National University Ranking (NUR) of Kurdistan region, Iraq.
7. Membered of several committees at the level of the college of Agricultural engineering sciences, e.g., the scientific committee and Agricultural fields.

NGOs and Community service

- 1-Since 2018, heading the committee of planting Million tree project in University of Duhok- The project belong to the Baghdad government.
- 2- Participated in the first part of the LASER PULSE Program "Minorities, Cultural Practices, and Destruction by the Islamic State - Tal Keif and Hamdaniya" led by Purdue University, with support from the United States Agency for International Development (USAID)- 2020
https://pdf.usaid.gov/pdf_docs/PA00WR8N.pdf
- 3-Proposed several projects of cash for work program for GIZ, Reach and UNHCR to support the displaced people and graduate students of Agriculture college- University of Duhok.
- 4- Coordinating Agricultural training courses for Farmers in cooperation with NGOs.

Professional Experience

- 1- Expert skills on using spatial point statistic software's specially **Programitta**.
- 2-Statistical Quantitative analysis using **SASS** and **R**.
- 3-Statistical Qualitative analysis using **MAXQDA 2020 & NVIVO 2020**
- 4-Computer: **Microsoft office**.
- 5-Languages: speaks **Kurdish** and **Arabic** languages fluently; with good skills in **English** language and fair in **French** language.

Professional positions and Academic title attained

2009: Reporter of the department of Forestry

2013: lecturer, Dept. of Forestry, college of Agriculture, UoD. Kurdistan – Iraq- **University of Duhok**

2013- Sept. 2019: Heading the Fepartment of Forestry. Kurdistan – Iraq **University of Duhok**

2017-July 2019: Director of the Quality Assurance at **Ararat Technical Private Institute**.

2020: Assistance Professor in **Silviculture**

Theses

2012: Hassan N. Muhamed, -The role of biotic interactions for oak regeneration in the coastal sand dune forest communities of the Aquitaine region(south-western France)| Ph.D. Dissertation, BIOGECO Unite research, PhD school of the Environmental Sciences, University of Bordeaux 1, 2012. http://ori-oai.u-bordeaux1.fr/ori-oai-search/notice.html?id=u-bordeaux1-ori-3689&format=dc_id&printable=true

2006: Hassan N. Muhamed —Effect of Different Gibberellic Acid GA3 Concentrations and Number and Foliar Period's Application on Growth of *Quercus infectoria* Oliv. Seedlings in the Nursery in Summel District. Dohuk Governorate." MS.c Dissertation College of Agriculture and Forestry. University of Mosul. Iraq.

Published Iraqi Journal Article.

- 2000: Al-Ashoo. Jyad A; Muhamed .H. Effect ga3 of concentration of number and foliar periods on some characters growth of the quercus infectoria oliv seedling in the nursery. Mesopotamia Journal of Agriculture, 2009, Volume 37, Issue 1, Pages 148-157 https://magrj.mosuljournals.com/article_27380.html
- 2016: Muhamed Hassan and Naseer Sarhan (2017). The Effect of IBA and Cutting Diameter on Inducing Roots of Cotinus Coggyria Scop. and Rhus Coriaria L.(Anacardiaceae). Science Journal of University of Zakho. Vol 5 No 2. <https://doi.org/10.25271/2017.5.2.367> <http://sjuoz.uoz.edu.krd/index.php/sci/article/view/367>
- 2017: Muhamed Hassan and Naseer Sarhan (2017).Effect of root cutting diameter,length and Indolebutyric acid concentrations on the rooting ability and growth of (Rhus coriaria L.) root cuttings Journal of University of Duhok.,Vol.19,No.1 (Agri. and Vet.Sciences),Pp 257-266, 2016 (Special Issue) The 2nd Scientific Agricultural Conference (April 26 and 27th 2016) <http://portal.uod.ac/journal/issues/avs/files/AVS%20-%20Volume%2019%20-%20Number%201,%206%20-%202016.pdf>

Published ISI Journal Article

- 2019: Muhamed, H (2019): Spatial distribution and association patterns of *Pinus brutia*Ten. regeneration Räumliche Verteilung und Assoziationsmuster von Pinus brutiaTen. Verjüngung. Austrian Journal of Forest Science. 136:-2- 141-172. http://www.forestscience.at/fileadmin/user_upload/forestscience/2019/CB1902_Art3.pdf
- 2019: Muhamed et al (2019): Natural regeneration of *Pinus brutia* Ten. in a recreational public forest in Zawita-Kurdistan region, Iraq. Journal of Forestry Research. 30-5-1849:1857 <https://doi.org/10.1007/s11676-018-0739-x>. <https://link.springer.com/article/10.1007/s11676-018-0739-x>
- 2014 : Muhamed, H., Lingua. E., Maalouf, J.P., Michalet, R., 2013, —Shrub-oak seedling spatial associations change in response to the functional composition of neighbouring shrubs in coastal dune forest communities| Annals of forest science.1286-4560.DOI 10.1007/s13595-014-0419-8. <http://link.springer.com/article/10.1007/s13595-014-0419-8>.
- 2013 :Muhamed, H., Touzard, B., Le Bagousse-Pinguet Y., Michalet, R.,2013. The role of biotic interactions for the early establishment of oak seedlings in coastal dune forest communities. Forest Ecology and Management. 297: 67-74. <http://dx.doi.org/10.1016/j.foreco.2013.02.023>.
- 2013: Muhamed, H., Maalouf, J.P., Michalet, R., 2013. Summer drought and canopy opening increase the strength of the oak seedlings–shrub spatial association. Annals of forest science. 70, 4, 345-355 . DOI. 10.1007/s13595-013-0264-1 <http://dx.doi.org/10.1007/s13595-013-0264-1> .

Reviewed manuscripts for the following international scientific journals:

Forest Ecology And Management, Annals Of Forest Science, Journal Of Vegetation Sciences, African Journal Of Biotechnology, Forests, Acta Botanica Gallica, Turkish Journal Of Agriculture; Forestry And Land Degradation & Development. AND African Journal of Agricultural Research.

A member on the Editorial Board of the Journal Sustainable Forestry. USA

Conference Proceedings.

2012: Doctoral student conference: Next generation insights into geosciences and ecology.

May 12•13, 2011 **Tartu, Estonia**

2012: The 2nd International Conference on Biodiversity in Forest Ecosystems and Landscapes.

University College Cork, on the 28 – 31 of August 2012. **Cork-Ireland.**

2016: The 2nd Conference of Agriculture -Toward better Agriculture. 26-27- 4-2016. **Duhok.**

Kurdistan region.

2017: The 2nd International Scientific Conference University of Zakhoh Zakho: Life, Civilization and Culture". April 17th - 20th, 2017. **Duhok. Kurdistan region.**