**Curriculum Vitae (C. V.)**

**\* Name:** Salih Tawfeeq Wali

**\* Place and date of birth:** Zakho – 1952

**\* Scientific certification:** PhD.

**\* Scientific title**: Assistant Professor

**\* Current position:** teaching staff in forestry department, College of Agriculture, University of Duhok.

**\* Service in Duhok university:** (1994– current) = 26 years

**\* Qualification**

**a- Education:**

1. Ph.D. in Eco-physiology, Duhok University, 2008

2. M.Sc. in forest Silviculture, Mosul University, 1988

3. B.Sc. in agricultural sciences (forestry), Mosul University, 1976

4. Primary and secondary education, completed in elementary and secondary School of

 Zakho (1960 – 1972)

**b- Scientific Degree (rank):**

 2004 – current: assistant professor in Eco-physiology and Forest Silviculture, department

 of forestry, university of Duhok.

 1998 – 2004: lecturer, department of forestry, Duhok University.

 1994 – 1998: assistant lecturer, department of forestry, Duhok University.

**\* Administrative Activities:**

1- Head of Forestry Department, College of Agriculure, University of Duhok, for the period (23/11/2009 – 8/1/ 2011).

2- Head of Forestry School, Faculty of Agriculure and Forestry, University of Duhok, for the period (9/1/2011 –2/1/ 2012).

3- Head of Board of Forestry Departments center of Universities (Duhok; Salahaddin and Koya) for the period (2010 – 2011).

4- Participation in an establishing department of forestry, College of Agriculture, University of Duhok (1995).

5- Participation in an establishing forest nursery of department of forestry, College of Agriculture, University of Duhok (1997).

6- Examination committee member for undergraduate students in the College of agriculture University of college, Duhok, for the years, (1997, 2008, 2009 , 2000).

 7- Sale committee chairman in the college of agriculture, University of Duhok.(2000)

8- Participation in farmers training within Duhok Governorate sponsored by FAO projects.

9- Participation in an Afforestation campaign carried out within Duhok governorate sponsored by FAO projects.

**\* Academic Activities:**

**a- Supervising graduate students:**

1. Supervising M.Sc. student Gailan Babeer Ahmad in Forestry sciences (Silviculture), Duhok university ( 2009–2011).
2. Supervising M.Sc. student Nijyar abdulaziz karim in Forest ecology, Duhok university

 ( 2012– 2015).

1. Supervising M.Sc. student Media Ahmad Mohammad Rasheed in Forestry sciences (Silviculture), Duhok university (2013–2016).
2. Supervising Ph.D. student Tariq krku Salih in Forestry management, Duhok university (2016–current).

**b- Supervising undergraduate student projects :**

1. Supervising undergraduate students projects, Forth class stage, Department of Forestry for the years ( 2002 , 2003, 2009 , 2010 , 2011, 2013 , 2014, 2015, 2016 , 2017, 2018, 2019).
2. Supervising undergraduate students seminars, Forth class stage, Department of Forestry for the years (1995 , 1996, 1997 , 1998 , 1999 , 2000 , 2001 , 2002 , 2003 , 2004 , 2005 , 2006 , 2007 , 2008 , 2009 , 2010 , 2011 , 2012 , 2013 , 2014 , 2015 , 2016, 2017, 2018, 2019).
3. Supervising summer training for undergraduate students, Third class stage, Department of Forestry ( 2002).

**c- Teaching:**

 **- Course taught for graduate students (Ph.D. and M.Sc.)**

**Subjects:**

 1- Adv. Silviculture. Fall semester ( 2001, 2002, 2003, 2009, 2010, 2011, 2012).

 2- Adv. Afforestation. Fall semester ( 2009, 2012).

 3- Population dynamics . Spring semester, 2009.

 4- Phytogeography .Spring semester, 2010.

 5- Environmental pollution, Spring semester, 2012 and Fall semester, 2013.

 6-Adv. Forest ecology, Spring semester ( 2009, 2012, 2013, 2015, 2016, 2018) and Fall semester (2017 and 2018).

 7- Allelopathy .Spring semester, 2012 and Fall semester, 2013.

 8- Eco-physiology. Fall semester, 2017- 2018.

9- Biodiversity. Spring semester, 2018.

**- Course taught for undergraduate students:**

**Subjects :**

1. Principle of Silviculture. Fall semester, from 1995 to 2019.
2. Forest nurseries. Fall semester, from 1996 to 2012.
3. Forest protection. Fall semester, 1997 – 1998.
4. Afforestation. Spring semester, from 1997 to 2012.
5. Silviculture systems. Spring semester, 1998 – 1999.
6. Forest Ecology. Spring semester, from 2009 to 2019.
7. Plant ecology. Spring semester, 2016.

**d. Thesis and dissertation examination committee member:**

 1- Examination committee member for higher diploma thesis in(Ecology), higher Institute of

 planning, University of Duhok, 2009.

1. Examination committee chair for higher diploma thesis in Forestry Sciences, (Silviculture),College of Agriculture , University of salahaddin , 2010.

3- Examination committee member for M.Sc. thesis in Forestry sciences (wild life), College of Agriculture, University of Duhok, 2010.

1. Examination committee member for M.Sc. thesis in Forestry Sciences (Silviculture),

College of Agriculture, University of Salahaddin , 2010.

1. Examination committee member for Ph.D. Dissertation in(Natural range management),

 Faculty of Agriculture and Forestry, University of Duhok, 2011.

1. Examination committee member and supervisor for M.Sc. thesis in Forestry sciences

(Silviculture), Faculty of Agriculture and Forestry, University of Duhok, 2011.

1. Examination committee member for M.Sc. Thesis in (Plant ecology) Forestry, Faculty of Agriculture and Forestry, University of Duhok, 2011.
2. Examination committee member for M.Sc. thesis in (Ecology), College of Education,

University of Zakho, 2011.

1. Examination committee chairman for M.Sc. thesis in Agricultural Sciences (Production of

Forest tree seedlings), Faculty of Agricultural Sciences , University of Sulaymania, 2011.

1. Examination committee member for M.Sc. thesis in Biology(Botany), University of Mosul, 2014.
2. Examination committee member for Ph.D. Dissertation in Biology(Botany), University of Mosul, 2015.
3. Examination committee member and supervisor for M.Sc. thesis in Forest sciences (Silviculture), University of Duhok, 2016.
4. Examination committee member for M.Sc. thesis in Forest ecology, University of Mosul, 2016.
5. Examination committee member for M.Sc. thesis in Forestry sciences (Forest management), University of Mosul, 2017.
6. Examination committee member for M.Sc. thesis (Silav Sadiq Hassan ),in Forestry

 sciences (Economic evaluation of multiple ecotourism impact of forests), Department of

 Forestry – University of Duhok, 2016.

1. Comprehensive examination committee member for Ph.D. Student ( zeravan abdulkhaliq Sadiq), School of Forestry- Duhok university, 2012.
2. Examination committee member for discussing research proposals for graduate students, in the school of Forestry and school of plant production -Duhok university and department of Forestry and horticulture - Koya university.
3. Examination committee member for discussing research proposals for Ph.D. Student ( Shamsaddin Mohammed Qaruo), in Forestry science(Nutural forest resources economics), Duhok university, 2016
4. Examination committee member for discussing research proposals for Ph.D. Student (Tariq Salih Krko), in Forestry sciences( Forest modeling ), Department of Forestry- Duhok university, 2016
5. Examination committee member for discussing research proposals for Ph.D. Student ( Mohammed Hidayad Obed), in Forestry sciences( Forest mensuration), Department of Forestry - Duhok university, 2016
6. Examination committee member for discussing research proposal for Ph.D. Student ( Haji Yazdin Haji), in Forestry science(Economic valuation of natural tourism), Duhok university, 2016
7. Examination committee chairman for assessing scientific ability of M.Sc. thesis (Shamal

Ahmad Tahir ), in Forestry sciences (Biodiversity and Ethnobotany) , Kahramanmaras Sutu Imaam University,2017.

1. Examination committee member for discussing research proposals for Ph.D. Student ( Jehan Fakhry Tahir), in Forestry sciences( Forest ecology), Department of Forestry - Duhok university, 2018
2. Examination committee member for discussing research proposal for M.Sc.. Student ( Bayan Hazim Ahmad), in Forestry science(Forest ecology), Duhok university, 2018.
3. Examination committee member for discussing research proposal for M.Sc.. Student ( Dereen Jaladad Mustafa), in Forestry sciences( Urban forestry), Department of Forestry, Duhok university, 2018.
4. Examination committee member for discussing research proposal for M.Sc.. Student ( Ronak Ahmad Hassan) in Forestry sciences(Forest utilization), Department of Forestry, Duhok university, 2018.

**e. Participation in Scientific Committee Member:**

1- Scientific committee member of Department of Forestry- College of Agriculture, University of Duhok (2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017).

2- Scientific committee chairman of Department of Forestry- College of Agriculture , University of Duhok( 2018- 2019).

3- Scientific committee member for assessing scientific researches performed in college of agriculture, University of Duhok (2010 - 2011).

1. Center Board chairman of post graduate of identical Forestry Departments , of Universities Duhok, salahaddin,and koya (2010 - 2011).
2. Scientific Committee member of Scientific Degree (rank) at the level of the College of Agriculure, Duhok university, from Deanary of college of Agriculure, Duhok university, according to administrative order, No. 1802 at 20/9/2015, for the academic year( 2015- 2016).
3. Forestry Department Council Member since ( 1995 – current).

**f. Participation in Conferences:**

1- Participation at the First scientific conference held in Duhok University (27 – 29 April, 1999) with a research entitled: Effect of aspects and spacing of planting on growth of *pinus brutia* Ten.seedlings in Bersvi-Zakho area.

1. Participation at the Higher education conference held in Kurdistan region – Erbil

On development of curriculum materials.(21-23 April , 2001).

3- Participation at the International conference on revitalizing researches in Kurdistan region – Erbil duration (14-16 /12 /2010).

1. Participation at the first International Scientific Agricultural conference- Faculty of Agriculture and Forestry – University of Duhok duration ( 10 – 12 April/2012.
2. Participation in first conference on Environment held in Kurdistan region – Erbil duration ( 5- 6 Jun /2013).
3. Participation at the Second scientific Agricultural conference- College of Agriculture – University of Duhok duration ( 26- 27April/2016.with the three papers entitled (1. Effect of soaking periods in sulfuric acid and sowing media on breaking dormancy and germination of *Rhus coriaria* L. seeds under field conditions.2.Growth response of *Pinus brutia* Ten. and *Melia azedarach* L. to various growing media under field conditions.3. Effect of cutting type and planting depth on growth of Oriental PlaneTree ( *Platanus orientalis* L.) seedlings in Sumel-Duhok)
4. Participation at the Work shop on curriculums of Agriculture colleges of Universities( Erbil; Sulaimani; Duhok) duration( 13 - 14 September / 2017).
5. Participation at the Work shop on Remote sensing at the Department of Forestry, College of Agriculture, University of Duhok during April, 2019.
6. Participation at the 2nd International conference on Advanced science and engineering 2019(ICOASE 2019) which organized by University of Zakho and Duhok Polytechnic University on April (2 – 4, 2019) in Duhok, Kurdistan Region-Iraq. with a paper entitled (Dendroclimatological Analysis of *Pinus brutia* Ten. Grown in Swaratoka, Kurdistan Region-Iraq.

**\* Other Scientific Activities:**

 1- Scientific assessment of Ph.D. Dissertation, M.Sc. thesis and scientific researches.

2- Layout and conduct agricultural experiment practices concerning (Forest siliviculture and Ecology).

3- Participation at the Intensive training course on teaching methods held in University of Duhok,1996.

 4- Participation at the professional seminars held in university of Duhok.2011 .

**\* Partnership scientific cooperation between Duhok university and Hawaii university USA**

1. Conducting research on Forest Silviculture entitled (Effect of vegetative propagation source, spacing ,fertilization and seasons of application on growth of *Populus nigra* sapling in Sumail-Duhok (2003-2004).
2. Participation at the Intensive short-term training held in Morocco about Renewable

Resources and Forestry sponsored by the KAHEAD project from the period of (October 14- November 13, 2007).

1. Participation at the Training of English course sponsored by the Kahead project, Hawaii University, USA, (2003).

**\* Scientific Cooperation with others:**

1- Participation at the Short- term course training on wildlife Animals Environment improve

 ways hosted by Kurdistan Organization of Animal Rights Protection with directorate of

 veterinary in Duhok province 15-16 September 2010.

2- Supervising Afforestaion campaign carried out in Duhok governorate Sponsored by FAO .

3- Participation at the Training course of Forestry section staff within Duhok governorate.

1. Writing professional articles and reports to the technical journal for increasing knowledge

on practice of Forest Silviculture **.**

**\* Membership:**

1- Member of Syndicate of agriculture engineering in Kurdistan region .

2- Member of Syndicate of academic staff in University and institutes- Kurdistan region.

3- Member of Syndicate of teachers in Kurdistan region.

4- Member of culture and society center – university of Duhok.

5- Member of teaching board**-** university of Duhok.

**\* Awards and Honors:**

1- Acknowledgment from presidency of Duhok university No. 2/4/584 at 13/5/1997 ,

 Appreciation for the efforts done in the preliminary of the forth festival of Duhok university,

 1997.

2- Acknowledgment from Deanery of college of Agriculure, Duhok university, No. 22 at

 29/1/2000, appreciation for the efforts done in presidency of sale committee for selling

 agricultural products in college of agriculture- Duhok university for the year1999.

3- Acknowledgment from Minister of Ministry of Higher Education and Scientific Research

 (2010).

4- Acknowledgment from Environment protection and Improvement Board No.3378 at

 18/12/2013, appreciation for the efforts done and participation in the first conference of

 protection and improvement environment, held in Erbil duration 5 – 6/6 /2013.

5- Acknowledgment from Deanery of college of Agriculure, Duhok university, No. 556 at

 8/4/2015, Appreciation for the efforts done for raising scientific level in quality assurance

 for whom obtaining (A-B) Grade during academic year (2014-2015).

6- Acknowledgment from Deanery of college of Agriculure, Duhok university, No. 2240 at

 24/11/2015, Appreciation for the efforts done in quality assurance for the academic year

 (2014-2015).

7-Acknowledgment with giving additional rank from presidency of Duhok university No.7343

 at 5/7/2018. Appreciation for the efforts done as academic staff of Duhok university,

8- Research activity award, ID 1800, spring 1998, awarded by college of agriculture,

 university of Duhok.

9- Research activity award, ID 450, fall 1998, awarded by college of agriculture, university

 of Duhok.

10- Research activity award, ID 900, spring 1999, awarded by college of agriculture, university

 of Duhok.

11- Research activity award, ID 900, spring 2004, awarded by college of agriculture, university

 of Duhok.

12- Research activity award, ID 900, fall 2004, awarded by college of agriculture, university

 of Duhok.

13- Research activity award, ID 450, fall 2017, awarded by college of agriculture, university

 of Duhok.

**\* Publications:**

**1.** Wali, S.T. and Abdullah, M.O. (1988): Effect of different nitrogen fertilizer levels and

times of application on growth of *Cupressus sempervirens*. Var. *horizontalis* transplants

in Hammam Al-Alil area. Mezopotamia of Agric. J. Vol. 22 (4), 1989.

2. Wali, S.T. (1998). Effect of natural distribution locations and aspects on morphological

and physiological characteristics of *Pinus brutia* Ten.seeds. Journal of Duhok Univ.

Vol.1, No.1, 1998.

3. Wali, S.T. (1998). Studies on sexual and vegetative propagation of *Nerium oleander*

seedlings. Journal of Duhok Univ. Vol. 1, No 2, 1998.

4. Wali, S.T. and Sofi, N.A. (1998). Effect of cuttings planting methods and soil types on

the growth of *Nelrium oleander* seedlings. Journal of Duhok Univ. Vol. 1, No. 2, 1998.

5. Wali, S.T. (1999). Effect of Aspects and spacing of planting on the growth of *Pinus*

*brutia* seedlings in Bersvi- Zakho area. Journal of Duhok Univ. Vol. 2, No. 7, 1999.

6. Wali, S.T. (2004). Effect of sowing methods, fertilization and seasons of application

on the growth of *Biota orientalis* seedlings. Journal of Dohuk Univ. Vol. 7 No. 1, 2004.

7. Wali, S.T. (2004). Effect of planting stock and planting spacing on the growth of two

local cultivars of *Populus nigra* saplings. Journal of Duhok Univ. Vol. 7 No. 2, 2004.

8. Wali, S.T.; N. M. Salih ; G. B. Ahmad and H. A. Rasheed (2016). Effect of soaking

periods in sulfuric acid and sowing media on breaking dormancy and germination of

*Rhus coriaria* L. seeds under field conditions. Journal of University of Duhok.Vol.19, No. 1 (Agri. and Vet. Sciences). 2016 (*Special issue)* .The 2nd Scientific Agriculural Conference , (April,26th – 27th , 2016).

9. Wali, S.T. ; N. M. Salih ; G. B. Ahmad; H. A. Rasheed and F.Y. Sulaiman (2016). Growth

 response of *Pinus brutia* Ten. and *Melia azedarach* L. to various growing media under

 field conditions. Journal of University of Duhok.Vol.19, No. 1 (Agri. and Vet.

 Sciences). 2016 (*Special issue)* .The 2nd Scientific Agriculural Conference , (April,26th –

 27th ,2016).

10. Gailan. B. Ahmad and Salih T.Wali (2016). Effect of cutting type and planting depth on

 growth of Oriental PlaneTree ( *Platanus orientalis* L.) seedlings in Sumel-Duhok.

 Journal of University of Duhok.Vol.19, No. 1 (Agri. and Vet. Sciences). 2016 *(Special*

 *issue)* .The 2nd Scientific Agriculural Conference , (April 26th – 27th,2016).

**11.** Tariq K. Salih, Muzahim Saeed Younis and Salih T. Wali(2019).Dendroclimatological

 Analysis of *Pinus brutia* Ten. Grown in Swaratoka, Kurdistan Region- Iraq. at the 2nd

 International conference on Advanced science and engineering, 2019(ICOASE 2019)

 which organized by University of Zakho and Duhok Polytechnic University on April (2

 – 4, 2019) in Duhok, Kurdistan Region-Iraq.

**\* Refereed technical report and Articles publishing in other Journals:**

1- Economic importance of poplar trees and scientific methods for their planting Kishtokal J. Ministry of Agriculture and irrigation, No. 9, 2001.

2- The basic prinsiples of drip irrigation systems and importance of their uses in Iraq. Kishtokal J. Ministry of Agriculture and irrigation, no. 10, 2001.

3- The situation of forest in Iraqi Kurdistan and How it can be improved, Kishtokal J., Ministry of Agriculture and irrigation, no. 20, 2004.

**\* Services in an outside Duhok University (Ministry of Agriculture and Irrigation)**

 From the period (1978-1993) = 16 year .

 During this period, I worked in general directorate of agriculture and Irrigation and I worked

 in the following responsibilities:

1- Head of forestry section in agriculture and Irrigation in Duhok (1978).

2- Supervising standard poplar plantation in Zakho, Forestry research center –Erbil (1979).

3- Director of sprinkler and drip Irrigation project in Zakho(1980).

4- Director of Agriculture and Irrigation in Zakho (1983).

1. Head of Agricultural affaires department in Directorate of Agriculture and Irrigation in Zakho (1992-1993).
2. Supervising afforestation campaign curried out within Duhok governorate.

 **Dr. Saleh T. Wali**

 **Assistant professor- Department of Forestry**

 **College of Agriculture- University of Duhok**

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