

Zuheir Shater



Personal Information:

Date of Birth: 2/6/1969

Address and contacts:

Department of Forestry and Ecology

Faculty of Agriculture, University of Tishreen, Lattakia, Syria

Tel. (+00963) 43 715 971 – 955 27 19 14 (WhatsApp)

Email: zuheirshater@yahoo.com, zuheirshater@tishreen.edu.sy

Education

Ph.D. in Ecology, Silviculture, and Forest Management (2001)

- University of Aix Marseilles III, CEFE-CNRS, France

Diploma of Deep Studies (DEA) in Biosciences of the Environment and Health (1998)

- University of Aix Marseilles III, France

Diploma of Specialization in Forestry for the Hot Regions (1997)

- National School of Rural Engineering, Water and Forests ENGREF (Montpellier, France) and the International Centre of High Mediterranean Agronomic Studies CIHEAM (Paris, France)

Diploma of High Studies in Protection of Plants (1993)

- University of Tishreen, Syria

Bachelor's Degree in Agriculture Engineering (1991)

- University of Tishreen, Syria
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PUBLICATIONS

I- BOOKS

1. Co-Author: **Atlas of Pasture Plants in the Arab Countries**. 2015. Published by [The Arab Center for the Studies of Arid zones and Dry lands](#) (ACSAD), 311p.
2. Co-Author: **Atlas of Medicinal and Aromatic Plants in the Arab Countries**, 2012. Published by [The Arab Center for the Studies of Arid zones and Dry lands](#) (ACSAD) , 629p.
3. CO-AUTHOR: **FOREST MANAGEMENT**, 2005. TISHREEN UNIVERSITY PRESS, LATTAKIA, SYRIA, 323 P.

II- PEER-REVIEWED PAPERS

A. IN ENGLISH

1. Urwah Suleiman, Nidal Darwish, Zuheir Shater. 2019. An Economical Study of Brutia pine (*Pinus brutia*) Plantings Utilized in Afforestation, Latakia, Syria. *SSRG International Journal of Agriculture & Environmental Science (SSRG -IJAES)*. Vol. (6) No. (2).
2. de-Miguel S. T. Pukkala N. Assaf Z. Shater, 2014. Intra-specific differences in allometric equations for aboveground biomass of eastern Mediterranean *Pinus brutia*. *Annals of Forest Science*. Volume 71, [Issue 1](#): 101–112
3. Sergio de-Miguel, Lauri Mehtätalo, Zuheir Shater, Bassel Kraid, and Timo Pukkala. 2012. Evaluating marginal and conditional predictions of taper models in the absence of calibration data. *Canadian Journal of Forest Research*, 42: 1383–1394.
4. Shater, Z., de Miguel, S., Kraid, B.; Pukkala, T., Palahí, M. 2011. A growth and yield model for even-aged *Pinus brutia* Ten. stands in Syria. *Annals of Forest Science*, 68:149–157.
5. Sergio de Miguel, Timo Pukkala, Zuheir Shater, Nabil Assaf, Bassel Kraid, Marc Palahí, 2010. Models for simulating the development of even-aged *Pinus brutia* stands in Middle East. *Forest Systems*, Vol 19, No. 3. pp. 449-457.
6. Gondard H., Romane F. Shater Z., Grandjanny M., Renaux A. 2004. Dynamic of plant diversity after a clearcutting or thinning in Aleppo pine (*Pinus halepensis*) forests of Le Var (Southern of France). *Forêt Méditerranéenne*, t. xxv, 1: 3-14.

7. Gondard H., Romane F., Aronson J., Shater Z. 2003. Impact of soil surface disturbances on functional group diversity after clear-cutting in Aleppo pine (*Pinus halepensis*) forests in southern France. *Forest Ecology and Management*, 180: 165-174.
8. Shater Z., Gondard H., Amorini E., Romane F., 2002. Effects of afforestation by introduced species in the old sweet chestnut (*Castanea sativa* Miller) groves of Cevennes, southern France, on plant species diversity. *Zbornik Gozdarstva in Lesarstva*, 68: 149-169.
9. Aronson J., Le Floch E., Gondard H., Romane F., Shater Z. 2002. Environnementale Management in Mediterranean region: references and indicators related to plant diversity. *Revue d'Ecologie, (Terre Vie)*, 9: 225-240.
10. Romane F., Gondard H., Grandjanny M., Renaux A., Shater Z. 2001. Plant biodiversity in managed and unmanaged forest ecosystems of chestnut and Aleppo pine in southern France. In: Conservacion, uso y gestion de los sistemas forestales. *VI Jornadas de Urdaibai sobre desarrollo sostenible*, pp. 243-247. UNESCO ETXEA, Bilbao.
11. Romane F., Gondard H., Grandjanny M., Grossmann A., Renaux A., Shater Z. 2001. Measuring and managing plant species diversity in the chestnut (*Castanea sativa* Mill.) ecosystems of the Cevennes. *Forest Snow and Landscape Research*. 76, 3: 493-497.
12. Gondard H., Aronson J., Grandjanny M., Le Floch E., Renaux A., Romane F., Shater Z., 2000. Plant species richness responses to management practices in chestnut (*Castanea sativa* Miller) forests and coppice stands in the Cevennes mountains (southern France). *Ecologia Mediterranea*, 26 (1-2) : 143-154.
13. Enjalbal M., Grandjanny M., Maistre M., Perret P., Romane F., Shater Z., 1996. The Holm Oak (*Quercus ilex* L.) radial growth facing the rainfall unpredictability. An example in Southern France. *Annali Instituto Sperimentale Selvicolura*, Arezzo, Italy, 27 : 31-37.

B. IN FRENCH

14. Romane F., Aronson J., Gondard H., Grandjanny M., Grossmann A., Le Floch E., Renaux A., Shater Z. 2005. Essai de synthèse sur la dynamique actuelle des châtaigneraies cévenoles et ses conséquences sur la diversité végétale. *Acta Botanica Gallica*, 152 (4): 431-442.

C. IN ARABIC

15. Wannous F. Shater Z. Thabet A. 2022. Analysis changes in *Cupressus sempervirens* L. ring-width in Ain Alkroom-Alghab using Dendroclimatology. *Syrian Journal of Agricultural Research*, Vol. (10) No. (4).
16. Genblatt R. Kurbaissa M., Shater Z. 2022. The effect of the Intensity of Thinning on the diameter and longitudinal growth of regenerated young *Pinus brutia* Ten. trees after fire in Balloran region. *Damascus University Journal*, (Accepted).
17. Shater Z. Thabet A. Wannous F. 2021. Studying the effect of the climatic factors on ring-width in the region of Missiaf using Dendroclimatology. *Tishreen University Journal for Research and Scientific Studies - Biological Sciences Series*, Vol. (43) No. (4).
18. Shater Z., Kurbaissa M., Ibrahim T. 2021. Studying the environmental and forage Importance of Bladder Senna (*Colutea cilicica* Boiss. et Bal.) and its propagation in the coastal region of Syria. *The Arab Journal for Arid Environments* (Accepted).
19. Shater Z., Kurbaissa M., Ibrahim T. 2020. Ecological study of *Iris unguicularis cretensis* In the coastal region of Syria. *The Arab Journal for Arid Environments* (Accepted).
20. Shater Z., B., Achikh and D., Najjar, 2018. Studying Plant Species Diversity in Al Kahef Protected Area, Tartus, Syria. *The Arab Journal for Arid Environments* (Accepted).
21. Shater Z., B., Achikh and D., Najjar, 2018. Studying functions and utilisations of the vegetation in Al-Kahf protected area (Tartous-Syria). *Syrian Journal of Agricultural Research*, Vol. (5) No. (3).
22. Achikh, B., Z. Shater, and R., Esber, 2017. Inventory and documentation of edible wild species in the Region of Jableh, Latakia, Syria. *Tishreen University Journal for Research and Scientific Studies - Biological Sciences Series*, Vol. (39) No. (5): 270-283.
23. Ibrahim T. and Z. Shater, 2017. Studying the Forest Edge Effects on Plant Species Diversity – Example from Tallee Forest (Tartous/Syria). *The Arab Journal for Arid Environments*, 10(1-2): 59-70.

24. Al-Mahmoud F., Ali W., S. Zahoueh, Z. Shater. 2017. Modelling of the Woody Biomass of *Quercus calliprinos* Webb. Maquis in the Eastern Versant of the Syrian Coastal Mountains. ***The Arab Journal for Arid Environments***, 10 (1-2): 8-19.
25. Shater Z., W. Ali, I. Nesafi and L. Saleh, 2017. Biomonitoring Air Pollution Of Some Portable Heavy Metals in Dust Quarries By Using Needles Of *Pinus brutia* Ten. as Biomonitor In Site Of Kfardabeel Stand- Jableh. ***Tishreen University Journal for Research and Scientific Studies - Biological Sciences Series***, Vol. (39) No. (1): 121-133.
26. Z. Shater. 2016. Studying the Plant Species Diversity of the *Pinus brutia* Ten. Forests in the Coastal Region of Syria. ***The Arab Journal for Arid Environments***, 9 (1-2): 28-40.
27. Al-Mahmoud F., Ali W., S. Zahoueh, Z. Shater. 2016. Studying of some factors affecting the plant species diversity in *Quercus calliprinos* Webb. Maquis at the eastern Versants of the Syrian Coastal Mountains. ***AlBaath University Journal***, 38(21): 141-169.
28. Shater Z., W. Ali, I. Nesafi and L. Saleh, 2016. Calibration of some Mathematical Models To Estimate Tree Height Of *Pinus brutia* Ten. In Site Of Kfardabeel Stand- Jableh. ***Tishreen University Journal for Research and Scientific Studies - Biological Sciences Series***, Vol. (38) No. (6): 153-164.
29. Ali W., S. Zahoueh, Z. Shater, F. Al-Mahmoud, 2015. Calibration of some (height-diameter) Equations for *Quercus calliprinos* Webb. Maquis Grown on the Eastern Versants of the Syrian Coastal Mountains. ***Tishreen University Journal for Research and Scientific Studies - Biological Sciences Series*** Vol. (37) No. (6) : 114-128.
30. Ali W., S. Zahoueh, Z. Shater, F. Al-Mahmoud, 2015. Calibration of Site Index Equations of Palestine Oak Maquis "*Quercus calliprinos* Webb.", Grown on the eastern Versants of Coastal Mountains-Syria. ***Tishreen University Journal for Research and Scientific Studies - Biological Sciences Series*** Vol. (37) No. (3) : 51-63.
31. Ali W. and Z. Shater, 2014. Modelling the Form Factor of *Pinus brutia* Ten. Trees Grown in Rabiaa Forests - Northern Lattakia. ***Tishreen University Journal for Research and Scientific Studies - Biological Sciences Series*** Vol. (36) No. (3) : 47-55.
32. Al Khoury A. Z. SHATER, S. Laound, M. Kurbaisa, I. Alkadi, 2014. Geographical, Ecological and Genetic Study of Some Arabian Almond *Prunus arabica* (Olivier) Meikle Populations in the Syrian Steppes. ***The Arab Journal for Arid Environments*** 7 (1 - 2) :55 – 65.
33. Al-Ali Y. Shater Z. and Rasha K. 2014. Studying the Effect of Forest Fire on Soil Erosion and Loss of Some Mineral Elements in the Forest of Ein Al-Jaouz/Tartous. ***Tishreen University Journal for Research and Scientific Studies - Biological Sciences Series*** Vol. (36) No. (2) : 278-290.
34. Wael A. and Shater Z., 2014. Calibration of Site Quality Index equations for the *Quercus calliprinos* Webb. on the western slopes of the coastal mountains in Syria. ***The Arab Journal of Arid Environments***, (Volume 9).
35. Shater Z., F. Al-Mahmoud, 2013. Study of Plant Species Diversity in Abu Qubies Protected Area. ***The Arab Journal for Arid Environments***, 6 (1) :19 – 27.
36. Ahmed H. and Shater Z., 2013. Contribution to the study of plant diversity in the Qadmous region. ***Al-Baath University Journal*** (Volume 35).
37. Shater Z. 2013. Studying the Effect of Stand Characteristics on Plant Species Diversity in the Median Part of Natural *Pinus brutia* Ten. (Brutia pine) Forests in Al-Bayer and Al-Bassit Regions-Syria. ***Tishreen University Journal for Research and Scientific Studies - Biological Sciences Series***, Vol. (35) No. (8): 72-84.
38. Shater Z. & Kazengi F. 2009. Study of Forest Structure Diversity in Al-Forolq Protected Area. ***Tishreen University Journal for Studies and Scientific Research***, Vol. (31) No. (5).
39. Koubaili I., Shater Z. & Ibrahim A. 2009. Evaluating plant species diversity in some planted stands at MATAH mountain in the Province of Tartous (Syria). ***Tishreen University Journal for Studies and Scientific Research***, Vol. (30) No. (5).
40. Darkalt A., Cheikh Albasatneh M. & Shater Z. 2009. Study of the effect of fire on plant species diversity in some forest sites in Latakia (Syria). ***Tishreen University Journal for Studies and Scientific Research***, Vol. (31) No. (2).

41. Koubaili I., Shater Z. & Ibrahim A. 2008. Study of the Growth and Productivity of some forest planted species at MATAH mountain in the Province of Tartous (Syria). *Tishreen University Journal for Studies and Scientific Research*, Vol. (30) No. (5).135-149
42. Shater Z., 2007. Effect of afforestation on plant species diversity in Snawbar Jableh – Latkia. *Tishreen University Journal for Studies and Scientific Research*, 28 (2): 185-202.
43. Shater Z., Younes R., Mouaala Y., Almahmoud F., 2006. Analytical study of *Cedrus libani* A. Richard forest in the protected area of Slenfe (Syria). *Tishreen University Journal for Studies and Scientific Research*, 28 (2): 185-202.

III- MAGAZINE PAPERS

44. Shater Z. & Palahi M., 2007. Action needed to preserve the forests in the East and South Mediterranean regions. *European Forest Institute (EFI) News*. Vol. 15, N. 2, p8.

IV- SCINTIFIC AND TECHNICAL REPORTS

- CO-Author: National report on biological diversity of Genetic resources for food and agriculture in the Syrian Arab Republic 2016, 212p
- CO-AUTHOR: IMPORTANT PLANT AREAS OF THE SOUTH AND EAST MEDITERRANEAN REGION. PRIORITY SITES FOR CONSERVATION, 2011. IN: RADFORD, E.A., CATULLO, G. AND MONTMOLLIN, B. DE. (EDS.) (2011). IUCN, GLAND, SWITZERLAND AND MALAGA, SPAIN. GLAND, SWITZERLAND AND MALAGA, SPAIN: IUCN. VIII + 108 PP.
- CO-Author: Preliminary survey of the Flora in Al Fronloq protected area,2009. Report within the framework of the project: Biodiversity Conservation and Protected Area Management in Syria (UNDP-GEF), 196p.
- Shater, Z, 2009. Final Report of the project: "*Development of Skills and Tools for The Sustainable Management and Preservation of Rural Communities in Syria and Lebanon*", 28P.4.
- CO-Author: *Integrated management of Al Ghab area (Syria)*, Report of ENGREF Students "Ecole Nationale de Génie Rurale des Eaux et des Forêts" (ENGREF) of Nancy-France. 2003

V-SUPERVISING ACADEMIC THESES

Master's degree: 15 students

Ph.D.: 3 students

Academic Teaching:

I- Faculty of Agriculture- Tishreen University - Latakia-Syria (Since 2002)

a. Department of Forestry & Ecology

Master's Degree

- Biodiversity Conservation – Master in Forestry & Ecology (Specialty: Ecology).

Under graduation Degree

- Forest Management and Planning, Silviculture, Afforestation and reforestation, Forest Mensuration, Bases of Forestry

b. Department of Basic Sciences (Students of 1st year)

- Botany, Taxonomy of Plants

II- Syrian Virtual University (Since September 2021).

Master in Natural Resources Management

- Natural Ecosystems (Terrestrial Ecosystems) - (1st Semester)
- Resilience of Natural Ecosystems - (1st Semester)
- Integrated Management of Natural Resources. - (3rd Semester)

III- Arab Forest and Range Institute (The Arab Organization for Agricultural Development 2007-2009):

- Status of Biodiversity (Second year).
- World life Management Technics (Second year).

Academic and Professional Experience

Professor: Department of Forestry & Ecology, Faculty of Agriculture, University of Tishreen, Lattakia, Syria:

Head of the Department of Forestry & Ecology (2015-2019)

- Faculty of Agriculture, University of Tishreen, Lattakia, Syria.

Expert of Biodiversity (2009-2021)

- The Arab Centre for the Studies of Arid Zones and Dry Lands (ACSAD) - The Arab League.

Member of the Editorial Board (2010-2020)

- The Arab Journal for Arid Environments (ACSAD - The Arab League).

Advisory Group Member (2007-2009)

- European Forest Institute – Mediterranean Office (EFIMED).

Focal Point in Syria (2007-2009)

- European Forest Institute – Mediterranean Office (EFIMED).

National Coordinator

- TEMPUS-EU project “Innovative and Integrated Approaches, Methods, and Tools for Mediterranean Forest Ecosystem Management” The main objective: to update and improve teaching knowledge, methods and tools as well as to provide teaching material on Mediterranean Forest Ecosystems Management for Lebanon, Tunisia and Syria.
- Project "Development of Skills and Tools for The Sustainable Management and Preservation of Rural Communities in Syria and Lebanon” funded by the Spanish Cooperation Agency (Azahar Program) and Coordinated by the Centre Tecnològic Forestal de Catalunya (CTFC):

Participation

Numerous national and international, conferences, workshops, scientific visits and scientific meetings,

Memberships

- Member of the GEF-SGP National Steering Committee: Small Grants Program (2007-2012).
- Member of the International Association of Mediterranean Forests since 1999
- Member of numerous national committees in the domain of Forestry and Environment

Languages

- **Arabic** (Native Proficiency)
- **English** (Proficient in writing, reading, and speaking)
- **French** (Fluent in writing, reading, and speaking).