

CURRICULUM VITAE

SURNAME : Dbara

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Education (*degrees, dates, universities*)

* Engineering Diploma, (2002), Agronomic National Institute of Tunisia, (option: plant production)

* Master Degree (2004) Agronomic National Institute of Tunisia, (option: Agronomy and plant crop amelioration)

* PhD (2011) Agronomic National Institute of Tunisia, (option: Science of plant production)

* Authorization to supervise researcher (2019) High Agronomic Institute of Chott Mariem (option: Plant production science, soil and environment)

Employment

* Institution of Agronomic Research and Higher Education of Tunisia, associated professor (CRRHAB, Chott Mariem)

Research laboratory

Laboratory of sustainability of olive and fruit tree production / Olive tree Institute.

Specialization (*specify*)

(i) Main field

Fruit trees ecophysiology, oxidative stress, plant hormone signaling,..
Fruit trees growing techniques (fertilization, irrigation,...)
Valorization of organic waste fruit tree fertilization

(ii) Other fields

Identification, characterization and description of fruit trees species, Rootstocks and varieties and improvement of the fruit trees managements.

(iii) Current research interest

Ecophysiology of olive tree (gas exchange, water stress resistance,...)
Fruit tree dormancy
Potassium fertilization in fruit trees
Irrigation efficiency
Production of biofertilizers and biostimulant to improve fruit tree production.

Publications

****Impacted journals***

1-**Dbara, S**; Haworth, M; Emiliano, G; Ben Mimoun, M; Gómez-Cadenas, A et Centritto, M. 2016. Partial root-zone drying of olive (*Olea europaea* var. „Chetoui,,) induces reduced yield under field conditions. PLoS ONE, 11(6) : 1-20.

2- **Dbara, S**; Ouni, A; Brahim, M et Fezai, N. 2018. Does olive mill wastewater stimulate olive plants growth? Journal of plant nutrition, 42 (1): 58-66.

3- Rinez, I; Ghezal, N; Rinez, A; Farooq, M; **Dbara, S**; Saad I et Haouala, R. 2018. Improving salt tolerance in pepper by bio-priming with *Padina pavonica* and *Jania rubens* aqueous extracts. International journal of agriculture and biology, 20: 513–523.

4- **Dbara, S** ; Melaouhi, A; Mars, M et Ben Mimoun, M. 2019. Potassium uptake efficiency of two pear cultivars and leaf concentration at deficiency symptoms appears. Journal of plant nutrition, 42, 1660-1667.

5-Abboud, S; **Dbara, S**; Labidi, W et Braham, M. 2019. Differential agro-physiological responses induced by partial root-zone drying irrigation in olive cultivars grown in semi-arid conditions. Environmental and Experimental Botany, 167, 103863.

6-Abboud, S; Vives-Peris, V; **Dbara, S**; Gómez Cadenas, A; Pérez Clemente, R. M; Abidi, W; Braham, M. 2020. Antioxidant status, biochemical and hormonal responses involved in the response of *Olea europaea* L. to water deficit induced by PRD irrigation, Scientia Horticulturae, 276, 109737.

7- Melaouhi, A; **Dbara, S**; Mars, M et ben Mimoun, M. 2022. Physiological and morphological responses to mineral (N, Mg, Mn, Zn) stress in pear (*Pyrus communis* L.) cultivars “Meski Ahrech” and “Alexandrine. Journal of Plant nutrition DOI: [10.1080/01904167.2022.2063731](https://doi.org/10.1080/01904167.2022.2063731)

8- Abboud, S., **Dbara, S.** et Braham, M. 2023. Assessment of Physiological Performance and Yield of Three Olive Cultivars Under Partial Root-Zone Drying Irrigation in a Semi-arid Environment. Erwerbs-Obstbau 65, 2563–2573 (2023). <https://doi.org/10.1007/s10341-023-00956-y>

- 9- Abboud, S., Ouni, A., Aydi Ben Abdallah, R. et **Dbara, S.** 2023. Potential Use of Olive Mill Wastewater Spreading in Olive Orchards for Improving Soil Fertility and Olive Oil Quality Under Semi-Arid Environment. Communications in Soil Science and Plant Analysis, 54(18), 2563–2571. <https://doi.org/10.1080/00103624.2023.2227223>
- 10- Abboud, S., Ouni, A., Aydi Ben Abdallah, R., Bchir, A., Ben Abdelwaheb, S., Tlili, D et **Dbara, S.** 2024. Unraveling the effect of phenolic extract derived from olive mill solid wastes on agro-physiological and biochemical traits of pomegranate and its associated rhizospheric soil properties. Journal of Hazardous Materials, Volume 470, 15 May 2024, 134234, <https://doi.org/10.1016/j.jhazmat.2024.134234>

Indexed journals

- 1-Dbara, S ;** Ben Mimoun, M et Hellali, R. Incidence de la cyanamide d'hydrogène sur la production et la végétation de deux variétés de pommier (*Malus communis*, L). Revue INAT. vol.21. N°2, 195-206.
- 2-Dbara, S ;** Ben Mimoun, M et Hellali, R. Etude de l'effet de produit de levée de dormance sur la floraison, la qualité des fruits et la croissance végétative après deux années consécutives d'essai: cas de deux variétés précoces de pêcher. Revue INAT. vol.21. N°1, 103-112.
- 3- Dbara, S;** Ben Mimoun, M et Hellali, R. Amélioration de la croissance végétative et de la constitution des réserves en amidon des pêchers par les traitements avec la cyanamide d'hydrogène. Revue Tropicultura, 2009, 27, 2, 119-122.
- 4- Dbara, S;** Ben Mimoun, M et Hellali, R. Etude de l'effet du dessèchement partiel des racines, comme nouvelle technique d'irrigation déficitaire, sur les échanges gazeux et les teneurs relatives en eau des feuilles de l'olivier. Revue des régions arides, numéro spécial 24 (2 /2010). 1123-1127.
- 5-Dbara, S ;** Ben Mimoun, M et Hellali, R. Réponse de l'olivier à la technique de dessèchement partiel des racines durant trois années consécutives d'essai. Revue Tropicultura. 2011, 29, 2, 70-74.
- 6- Dbara, S ;** Ben Mimoun, M ; Lahmar, K et Hellali, R. Effets des différents régimes hydriques sur les caractéristiques des fruits et l'huile d'olive après deux années d'essai. Revue INAT, 2012, vol.27. N°2, 1-12.
- 7- Dbara, S;** Gader, T et Ben Mimoun, M. 2016. Improving yield and fruit quality of peach cv. „Flordastar“ by potassium foliar spray associated to regulated deficit irrigation. Journal of new science: Agriculture and biotechnology, 28 (10): 1631-1637.
- 8- Dbara, S;** Mougou, A et Fezai, N. 2016. Morpho-physiological Responses of Olive Saplings (*Olea europaea* L. cv Chétoui) to Partial Root Drying Irrigation Technique with Salt Water. International Journal of Agriculture Innovations and Research, 4 (6) : 1122-1125.

9- **Dbara, S**; Ouni, R; Fezai, N et Mars, M. 2016. Réponses physiologiques de deux variétés de poirier (*Pyrus communis* L.) au déficit hydrique. Journal of new science: Agriculture and biotechnology, 31 (2): 1736-1741.

10- **Dbara, S**; Lahmar, K et Ben Mimoun, M. 2018. Potassium Mineral Nutrition Combined with Sustained Deficit Irrigation to Improve Yield and Quality of a Late Season Peach Cultivar (*Prunus persica* L. cv „Chatos“). International journal of fruit science 1-14, DOI: 10.1080/15538362.2018.1438329.

11- **Dbara, S** et Mars, M. 2021. Comparative analysis of pomegranates harvested from an organic orchard and a conventional one irrigated with treated wastewater, Journal of Horticulture and post harvest research, vol. 4 (special issue: plant nutrition in horticulture), 11-20.

12- **Dbara, S**; Boussetta, W ; Hafi, M et Mars, M. 2021. Promoting the performance of three old pear cultivars (*Pyrus communis* L.) to cope drought caused by climate change, Journal of horticulture and postharvest research, 4(3), 351-366.

13- **Dbara, S** et Lahmar, K. 2021. The use of treated waste water in agriculture: impact on soil characteristics. Larhyss journal, 45, 107-118.

14- Lahmar, K; Tlili, D; Saied, S et **Dbara, S**. 2021. Hydro-Geoenvironmental Analysis by the Study of Surface Sediments: Case of Wadi Elguelta, Ouardanine, Tunisia, Journal of Applied Geology and Geophysics, 9, Issue 4 Ser. II, 26-33.

Research project

National project: Optimization of the technical management of an olive tree plantation under saline stress, 2014-2018 (member)

International project: Production des Biostimulants, Biofertilisants, Biopolymers et Bioenergie à partir des résidus de la chaîne de l'huile d'olive: 4BIOLIVE, 2021-2024 (Tunisian coordinator)

Language

Arab, French, English