MOHSEN MANSOUR

Assistant Professor
Agroclimatology

Research activities around improving water use efficiency at plot scale (water requirements, management of irrigation under normal and stressed conditions). As well as the study of the effect of climate change on crops (trend, impact and adaptation).

PERSONAL INFORMATION

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WORK EXPERIENCE

Since February 2020	**Position** : **Assistant professor** **Institution**: Regional Research Centre on Horticulture and Organic Agriculture (**CRRHAB**)
Nov 2006 Jan 2015	**Position**: **Research assistant** **Institution :** Regional Research Centre on Horticulture and Organic Agriculture (**CRRHAB**)
June 2004 November 2006	**Position:** **Research Associate** **Institution**: Agricultural Research and Development pole in Central East
June 2002 June 2004	**Position** : **Research Associate** **Institution**: Institute for Rural Engineering Water and Forestry (**INRGREF**)
May 2000 June 2002	Position : **Contractual engineer** Institution : **INRGREF**

ACADEMIC BACKGROUND

Novembre 2017	**Diploma**: **Thesis in Agricultural Sciences** **Institution**: Higher Agronomic Institute of Chott-Meriem (ISA-CM) **Speciality** : sustainable Agriculture **Subject** : *Climate change in the sahel of Tunisia, Analysis of various climatic parameters trends.*
Avril 2000	**Diploma**: **Master in Horticultural Sciences** **Institution** : National Agronomic Institute of Tunis (INAT) **Speciality** : Horticultural Sciences
Juin 1996	**Diploma** : **Agricultural Engineer** **Institution** : National Agronomic Institute of Tunis (INAT) **Speciality** : Crop sciences
Juin 1991	**Diploma** : **High school diploma** (Baccalauréat) **Institution** : Boys High School of Sousse **Spécialité** : Math-Sciences

ADDITIONAL TRAINING

June August 2023	**Managing Risk in the face of Climate change**. International blended course, organized by the Wageningen Centre for Development Innovation (WCDI). June 27- August 15-2023
Mai 2022	Fourth International course on **climate change and modeling**. Presented by the Faculty of Agricultural sciences and technologies. Nigde ömer Halisdemir, Turkey- April 25-06 May 2022
May June 2019	AfriAlliance MOOC on **Water and Climate Change in Africa**. On line course Follow-up. May 5 to June 30, 2019
March 2018	Assessing Crop Production, Nutrient management, Climatic Risk and Environmental Sustainability with simulation Models. Advanced training on the use of the decision support program **DSSAT** : **Decision Support System for Agrotechnology Transfer**. Tunis from March 19 to 24, 2018.
May 2008	The third part of **Climate Change - Mitigation and Adaptation** program which is organized by the Swedish Meteorological and Hydrological Institute (SMHI) and the Swedish International Development Agency (SIDA), which is intended for the presentation of the results of personal projects - Entebbe-Uganda-26-30 May 2008.
November 2007	**Climate Change - Mitigation and Adaptation** - Advanced International Training Program Conducted by the Swedish Meterologocal and Hydrologocal Institute (SMHI) and Swedish International Development Cooperation Agency (SIDA).
November 2005	**Introduction to the SWAT model** (Soil and Water assessment Tool) as part of the IRRIMED project - Hammamet, Tunis – 28 Nov - 01 Dec. 2005
June 2005	Advanced Study Institute on Thermal Energy Storage for Sustainable Energy Consumption (TESSEC). NATO Summer school.), Cesme -Izmir, Turkey, June 6-17, 2005
April 2004	Strategies to prevent and mitigate the effects of drought in the Mediterranean region. International course organized by CIHEAM _ IAMZ - *Zaragoza (Spain), April 26-30, 2004*
June 2003	Participation in a training course on the irrigation management software developed by ACSAD as part of the Applied Research Project in the field of brackish water use in North Africa . ACSAD , DAMASCUS – June 17 to 24, 2003
June 2003	Scientific publications and data presentation, International course Organized by. ICARDA , ALEPPO, from June 8 to 13, 2003.
July 2002	The use of new techniques for measuring soil salinity and irrigation management Training organized by ACSAD – Tunis- July 3-8, 2002.

Research structure	**Establishment**	
	Year	
Production and Protection for Sustainable Horticulture (**2PHD- LR21AGR03**)	2021 2025	**CRRHAB**
Valorization of unconventional water (**LR VENC-16INRGREF02)**	2011 2020	**INRGREF**
Management of environmental risks in irrigated agriculture	2007 2011	**INRGREF**

PROJECT EXPERIENCE		
National Project	**Period**	**Participation as**
Improving water and fertilization efficiency for vegetable farming (**IRESA - SE/RST (PNM 97 BIRD 19)**	**1999 2002**	**Member**
Integrated and sustainable management of protected vegetable croping systems (**CléProD**)	**2015 2018**	**Member**
International Project		
Innovative Greenhouse Support System in the Mediterranean Region: efficient fertigation and pest management through IoT based climate control « **iGUESS-MED** » (PRIMA section I).	**2020 2024**	Member
Enhancement of tomato and onion production in Africa for maximum sustainable yield **(**KAFACI-VEG project)	**2020 2024**	Member
Management of salinity among small farmers and risks of salinization of soils and water tables in Central Eastern Tunisia (**PISEAU II**)	**2009 2012**	Member
Saving Freshwater Resources with Salt-tolerant Forage Production in Marginal Areas of the West Asia and North Africa (WANA) Region, an Opportunity to Raise the Income of the Rural Poor.	**2005 2008**	Member
Assessment of Impact and Adaptation to Climate Change in North Africa : Food Production and Water Resources – (**AIACC. AF 90**).	**2002 2004**	Member
Applied Research Program on the utilization of brackish and Saline water In North Africa.	**2002 2005**	Member
Humidity Passive Harvest Technologies' Assessment and Optimization (**HUPHAT.** PLICA3-2002-10079)	**2003 2005**	Member

PUBLICATIONS

2019	Basma Latrech, Hiba Ghazouani, Asma Lasram, Boutheina Douh M'hamdi, **Mohsen Mansour**, Abdelhamid Boujelben,. 2019. Assessment of different methods for simulating actual evapotranspiration in a semi-arid environment . **Italian Journal of Agrometeorology** (2): 21-34, 2019. DOI: https://doi.org/10.13128/ijam-650
2018	LATRECH, B.; GHAZOUANI, H.; ASMA, L.; DOUH, B. M.; **MOHSEN, M**.; BOUJELBEN, A. Long-term trend analysis of climatic variables and reference evapotranspiration over different urban areas in Tunisia. **Braz. J. Biol. Sci.** 2019, vol. 6, No. 12, p. 189-201. ISSN 2358-2731. DOI: 10.21472/bjbs.061218
2017	**Mansour Mohsen**, Hachicha Mohamed and Mougou Abdelaziz. 2017. Trend analysis of potential evapotranspiration-Case of Chott-Meriem Region (The Sahel of Tunisia). **International Journal of Agriculture Innovations and Research**. Volume 5, Issue 5, 2319-1473.
2014	**Mansour, M**., and Hachicha, M., 2014. Vulnerability of Tunisian Agriculture to Climate change. In Emerging technologies and management of crop stress Tolerance. Volume II. A Sustainable Apprach. Ed. Parvaiz A. and Saiema R., **Springer**. 485-500. http://www.sciencedirect.com/science/article/pii/B9780128008751000211
	Sami Bhouri Khila, Boutheina Douh, Amel Mguidiche, Françoise Ruget, **Mansour Mohsen** and Abdelhamid Boujelben. 2014. Application of STICS Model in Assessment of the Effects of Irrigation Practices and Soil Properties on Yield of a Durum Wheat (Triticum durum Desf.) Cultivar in the Irrigated Area of Oued Rmel in Tunisia. **Annual Research & Review in Biology**. 4(5): 747-765.

2015	Methamem, S.; Gouta, H.; Mougou, A.; Mansour, M.; Boujnah, D.2015. Yield, fruit and oil content of some olive trees (Olea europaea L.) field-grown in Tunisia. **Annals of Biological Research** 2015 Vol.6 No.9 pp.64-71 ref.25
2013	Bhouri Khila, S., Douh,B., Mguidiche,A., Ruget, F., **Mansour**,**M**., Boujelben, A.(2013).Yield and Water Use Efficiency of a Durum Wheat (Triticum Durum Desf.) Cultivar Under the Influence of Various Irrigation Levels in a Mediterranean climate**. J. Nat. Prod. Plant Resour**., **2013**, 3 (1):78-87. http://www.iosrjournals.org/iosr-jestft/papers/vol7-issue6/F0762539.pdf
	Boutheina Douh, Amel Mguidiche, Sami Bhouri Khila, **Mohsen Mansour**, Harrabi Rania, Abdelhamid Boujelben.(**2013**).Yield and Water Use Efficiency of cucumber (*Cucumis sativus* L.) conducted under subsurface drip irrigation system in a Mediterranean Climate. **Journal Of Environmental Science, Toxicology And Food Technology**. *Volume 2, Issue 4 (Jan. - Feb. **2013**), PP 46-51.*
	Mohamed Hachicha, Sabri Kanzari, **Mohsen Mansour**, Omar Jouzdan and Awadis Arselan (2013). Salinity Risk and Management in Tunisian Semi Arid Area**. Journal of Life Sciences**, Feb. **2013**, Vol. 7, No. 2, pp. 196-201. http://www.davidpublishing.com/DownLoad/?id=12474
	Sami Bhouri Khila, Boutheina Douh, Amel Mguidiche, **Mohsen Mansour**, Abdelhamid Boujelben,.2013. Assessment of yield and water use efficiency of durum wheat as affected by irrigation practices and soil properties in the irrigated area of oued rmel in Tunisia. IOSR **Journal Of Environmental Science, Toxicology And Food Technology (IOSR-JESTFT)**,Volume 7, Issue 6 (Nov. - Dec. 2013), PP 25-39.
	Mguidiche, A., Douh, B., Khila, S., Sami, G., **Mohsen, M**., & Boujelben, A. (2013). Water Quality Effects on Agronomic Parameters of Subsurface Drip Irrigated Potato (Solanum tuberosum L.) under Tunisian Climatic Condition. **Annual Research & Review in Biology**, 4(5), 720-727.
2011	Mougou, R., **Mansour. M,** Iglesias, A., Zitouna, R. and Battaglini, A. – Climate change and agricultural vulnerability: a case study of rain-fed wheat in Kairouan, Central Tunisia. In **Regional Environmental Change**. (**2011**) 11 (Suppl 1)S137–S142. https://doi.org/10.1007/s10113-010-0179-4
2010	Rafika Sta-baba**,** Mohamed Hachicha**, Mohsen Mansour,** Hassan Nahdi, Mohamed Ben Kheder,.**2010.** Response of Onion to Salinity. In The African Journal of Plant Science and Biotechnology 4 (Special Issue 2) 7-12. ©**2010 Global Science Books**. http://www.globalsciencebooks.info/Online/GSBOnline/images/2010/AJPSB_4(SI2)/AJPSB_4(SI2)7-12o.pdf
2009	J. P. Lhomme· R. Mougou · **M. Mansour**.**2009**.Potential impact of climate change on durum wheat cropping in Tunisia. **Climatic Change**, 2009, 96 (4), p. 549-564. https://doi.org/10.1007/s10584-009-9571-9
	MejdaDaami-Remadi, Hedia Ben Oun, Ahmed Souissi, **Mohsen Mansour**, HayfaJabnoun-Khiareddine, Bouzid Nasraoui.2009. Effects of Saline Irrigation Water on Verticillium Wilt Severity and Tomato Growth. Plant Stress 3 (1), pp 40-48.© **2009 Global Science Books**. http://www.globalsciencebooks.info/Online/GSBOnline/images/0906/PS_3(1)/PS_3(1)40-48o.pdf
	MejdaDaami-Remadi, Ahmed Souissi, Hedia Ben Oun**, Mohsen Mansour,** Bouzid Nasraoui**. (2009).**Salinity Effects on Fusarium Wilt Severity and Tomato Growth.Dynamic soil, Dynamic plant, 3 (1) ,pp61-69 ,© **2009 Global Science books**. http://www.globalsciencebooks.info/Online/GSBOnline/images/0906/DSDP_3(1)/DSDP_3(1)61-69o.pdf
2008	Mougou, R., A. Abou-Hadid, A. Iglesias, M. Medany, A Nafti, R. Chetali, **M. MANSOUR** and H. Eid.**2008**. Adapting dryland and irrigated cereal farming to climate change in Tunisia and Egypt. **In Climate Change and Adaptation**. N. Leary, J.Adejuwon, V. Barros, I. Burton, J. Kulkarni and R. Lasco, eds,. Earthscan **2008**, London, UK. pp181-195.
	Neil Leary, James Adejuwon, Vicente Barros, Punsalmaa Batima, Bonizella Biagini, Ian Burton, Suppakorn Chinvanno, Rex Cruz, Daniel Dabi, Alain de Comarmond, Bill Dougherty,Paul ine Dube, Andrew Githeko, Ayman Abou Hadid, Molly, Hellmuth, Richard

	Kangalawe, Jyoti Kulkarni, Mahendra Kumar, Rodel Lasco, Melchior Mataki, Mahmoud Medany, **Mansour Mohsen**, Gustavo Nagy, Momodou Njie, Jabavu Nkomo, Anthony Nyong, Balgis Osman-Elasha, El-Amin, Sanjak, Roberto Seiler, Michael Taylor, Maria Travasso, Graham von Maltitz, Shem Wandiga and Mónica Wehbe. A Stitch in Time:General Lessons from Specific Cases**. In *Climate Change and Adaptation***. N. Leary, J.Adejuwon, V. Barros, I. Burton, J. Kulkarni and R. Lasco, eds,. Earthscan **2008**, London, UK. pp181-195
2006	MARCO,J., **MANSOUR. M**., MOUGOU,R., REJEB,S. **2006**. Effet de deux fréquences d'irrigation et de deux modes de fertilisation sur la conduite de la tomate de saison. **Annales de l'INRGREF**.(2006),8,91-104.
2006	MOUGOU R, **MANSOUR**. M, J.VACHER, PIERRE CELLIER. **2006**. La valorisation agricole de l'eau des lacs collinaires cas du lac collinaire Kamech (Tunisie) (Agricultural valorisation of hill water reservoirs: The case of the Kamech hill reservoir (Tunisia). **Secheresse** (2006);17(3):385-90.
2005	**MANSOUR. M**, MOUGOU.R et MOUGOU.A. **2005** : Effect of several modes of irrigation and fertigation on artichoke crop. **Acta Hort. (ISHS)** 681:127-134. https://doi.org/10.17660/ActaHortic.2005.681.12
	MANSOUR. M, OUESLATI. T, MOUGOU. R, MOUGOU.A. **2005**. Etude du développement des deux variétés d'artichaut les plus cultivées en Tunisie (Violet d'Hyères et Blanc Oranais). **Revue de l'INAT**. Vol 20 n°1.
2004	**MANSOUR. M,** MOUGOU. R, et MOUGOU. A **2004** : Effets de trois doses d'irrigation et de deux dates de plantation sur le comportement de la tomate de saison. **Revue de l'INAT**.Vol19 n°2.