

Munqez J Y Shtaya, Ph.D

Personal information:

Date of birth: 23/06/1973

Address:

Faculty of Agriculture and Vet. Med.
An-Najah National University
P. O. Box 7
Nablus
Palestinian Territories

Tel.: 00972 92 675893

Fax: 00972 92 675891

Mobile: 00972 59 800774

Email: mshtaya@najah.edu , mshtaya@yahoo.com



Web pages and social reds

- Personal Web. Page: <http://staff.najah.edu/mshtaya>
- ResearcherID: <http://www.researcherid.com/rid/G-6459-2018>
- ORCID: <http://orcid.org/0000-0003-3602-8518>
- Scopus: www.scopus.com/authid/detail.uri?authorId=14051148900
- Google Scholar:
<https://scholar.google.com/citations?user=U2opYdYAAAAJ&hl=en&authuser=1>

Academic qualifications:

- Doctor of Philosophy (PhD) in Plant Breeding and Genetic Engineering. University of Córdoba, Córdoba, Spain. October 2005.
- Diploma of Specialized Post-Graduate Studies (Plant Breeding). The Mediterranean Agronomic Institute of Zaragoza. Zaragoza, Spain. June 2001.
- Bachelor of Science (BSc) in Plant Production and Protection. Faculty of Agriculture, An-Najah National University. Nablus, Palestine. February 1997.

Employment and work experiences:

- **October 2015 - present:** Associate Professor, Department of Plant Production and Protection, Faculty of Agriculture and Veterinary Medicine, An-Najah National University.

- **July 2008 – July 2012:** Dean of Faculty of Agriculture, An-Najah National University, Palestine.
- **January 2006 – October 2015:** Assistant Professor, Department of Plant Production and Protection, Faculty of Agriculture, An-Najah National University.
- **February 1997 – September 2002:** Full time research assistant at the Faculty of Agriculture Experimental Station at An-Najah N. University.

Research interests

- Breeding of legumes and cereals for biotic and abiotic stress.
- Mechanisms of resistance.
- Gene mapping and QTL analysis.
- Plant genetic resources conservation.

Scientific publications:

- **Publications in journals with reference at SCI (Science Citation Index)**

1. Salam Y. Abu Zaitoun, Rana M. Jamous, **Munqez J. Shtaya**, Omar B. Mallah, Imad S. Eid and Mohammed S. Ali-Shtayeh. 2018. Characterizing Palestinian snake melon (*Cucumis melo* var. *flexuosus*) germplasm diversity and structure using SNP and DArTseq markers. BMC Plant Biology 18:246 (Impact Factor: 3.93)
2. Hassan Abu-Qaoud, Nuha Shawarb, Fatima Hussien, Nidal Jaradat, **Munqez Shtaya**. 2018. Comparison of qualitative, quantitative analysis and antioxidant potential between wild and cultivated *Borago officinalis* leaves from Palestine. Pakistan Journal of Pharmaceutical Sciences, 31(3) (Impact Factor: 0.804)
3. Nidal Jaradat, Lina Adwan, Shadi K'aibni, Abdel Naser Zaid, **Munqez JY Shtaya**, Naser Shraim, and Mohyeddin Assali. 2017. Variability of chemical compositions, antimicrobial and antioxidant activities of *Ruta chalepensis* leaf essential oils from three Palestinian regions. BioMed Research International, 2017 (Impact Factor: 2.583)
4. Mohammed S. Ali-Shtayeh, Rana M. Jamous, **Munqez J. Shtaya**, Omar B. Mallah, Imad S. Eid and Salam Y Abu Zaitoun. 2017. Morphological characterization of snake melon (*Cucumis melo* var. *flexuosus*) populations from Palestine. Genetic Resources and Crop Evolution. 64: 7–22 (Impact Factor: 1.130)
5. **Munqez Jamil Shtaya**, Jihad Abdallah, Heba Al-Fares, Hassan Abu-Qaoud, Maria von Korff, Marwan Haddad. 2015. Detecting genetic diversity among barley landraces

- grown in the West-Bank. *Journal of Animal and Plant Sciences*, 25 (5): 1365-1370. (Impact Factor: 0.407)
6. Habte Ermias, Müller Lukas, **Shtaya Munqez**, Davis Seth and von Korff Maria. 2014. Osmotic stress at the barley root affects expression of circadian clock genes in the shoot. *Plant, Cell & Environment*, 37 (6): 1321-1337. (Impact Factor: 5.415)
 7. Sánchez-Martín, J., D. Rubiales, F. Flores, A. A. Emeran, **M. J. Y. Shtaya**, J. C. Sillero, M. B. Allagui and E. Prats. 2014. Adaptation of oat (*Avena sativa*) cultivars to autumn sowings in Mediterranean environments. *Field Crops Research*, 156: 111-122 (IF = 3.127)
 8. Basheer-Salimia, R., **M. Shtaya**, M. Awad, J. Abdallah and Y. Hamdan. 2013. Genetic diversity of faba bean genotypes using RAPD markers. *Genetics and Molecular Research*, 12 (3): 3314-3323. (IF = 0.78)
 9. Campoli, C., **M. Shtaya**, S. J. Davis and M. von Korff. 2012. Expression conservation within the circadian clock of a monocot: natural variation at barley Ppd-H1 affects circadian expression of flowering time genes, but not clock orthologs. *BMC Plant Biology* 2012, 12:97 (IF = 3.93)
 10. Fernández-Aparicio M., **Shtaya M.**, Emeran A.A., Allagui M.B., Kharrat M and Rubiales D. 2011. Effects of crop mixtures on chocolate spot development on faba bean grown in Mediterranean climates. *Crop Protection* 30: 1015-1023. (IF = 1.920)
 11. **Shtaya, M. J. Y.**, Sillero, J. C., Flath, K., Pickering, R., and Rubiales, D. 2007. The resistance to leaf rust and powdery mildew of recombinant lines of barley (*Hordeum vulgare* L.) derived from *H. vulgare* x *H. bulbosum* crosses. *Plant Breeding*, 126: 259-267. (IF = 1.392)
 12. **Shtaya, M. J. Y.**, Sillero, J. C. and Rubiales, D. 2006. Screening for resistance to leaf rust (*Puccinia hordei*) in a collection of Spanish barleys. *Breeding Science* 56, 173-177. (IF = 1.792)
 13. **Shtaya, M. J. Y.**, Sillero, J. C. and Rubiales, D. 2006. Search for partial resistance against *Puccinia hordei* in barley landraces from Fertile Crescent. *Plant Breeding*, 125: 343-346. (IF = 1.392)
 14. **Shtaya, M. J. Y.**, Sillero, J. C. and Rubiales, D. 2006. Identification of a new pathotype of *Puccinia hordei* with virulence for the resistance gene *Rph7*. *European Journal of Plant Pathology*, 116 (2): 103-106. (IF = 1.466)

15. **Shtaya, M. J. Y.**, Marcel, T. C., Sillero, J. C., Niks, R. E. and Rubiales, D. 2006. Identification of QTLs for powdery mildew and scald resistance in barley. *Euphytica*, 151: 421-429. (IF = 1.546)

• **Publications in journals without reference at SCI (Science Citation Index).**

1. Raslan Shanableh, Hassan Abu Qaoud Numan Myzied, **Munqez Jamil Shtaya**. 2016. Forage yield of pearl millet (*Pennisetum glaucum*) under different water quality and accessions Indian Journal of Agricultural Research, 50 (3): 264-267
2. Mohammad Sawafta and **Munqez J Y Shtaya**. 2016. Resistance of Some Tomato Species to *Orobanche aegyptiaca* (Comparative Study). An-Najah University Journal for Research (Natural Sciences), 30(2):
https://journals.najah.edu/media/journals/full_texts/2_KspMzXt.pdf
3. **Shtaya, M J Y**. 2015. Sources of partial resistance to leaf rust in hard wheat landraces cultivated in Palestine. *Walailak Journal of Science and Technology*, 12(3): 245-250
4. Hassan Abu-Qaoud and **Munqez J Y Shtaya**. 2014. The effect of colchicine on adventitious shoot regeneration from cultured leaf explants of *Petunia hybrida*. *British Biotechnology Journal*, 4(5): 531-540
5. Alihan Cokkizgin and Munqez J. Y. Shtaya. 2013. Lentil: Origin, Cultivation Techniques, Utilization and Advances in Transformation. *Agricultural Science*, 1(1): 55-62
6. Talal Al Barri and **Munqez J Y Shtaya**. 2013. Phenotypic characterization of faba bean (*Vicia faba* L.) landraces grown in Palestine. *Journal of Agricultural Science*, 5 (2): 110-117.
7. Omar Abo Baker and **Munqez J Y Shtaya**. 2013. Identification of resistant sources to crown rust (*Puccinia coronata*) in oat. *An-Najah University Journal for Research (Natural Sciences)*, 27: 129 - 140.
8. Rezq Basheer-Salimia, Murad Awad, Yamen Hamdan and **Munqez Shtaya**. (2013). Genetic variability of some Palestinian fig (*Ficus carica* L.) genotypes based on pomological and morphological descriptors. *An-Najah University Journal for Research (Natural Sciences)*, 27: 83 - 110.
9. **Munqez J. Y. Shtaya** and Fernando Martínez. 2011. Identification of QTL Involved in Resistance of Barley Seedling to Scald (*Rhynchosporium secalis*). *Hebron University Research Journal (A)*, 5: 49-62

10. **Shtaya, M. J. Y.** 2009. Characterization of new sources of resistance in some Palestinian barley landraces against *Blumeria graminis* f.sp. *hordei* under controlled and field conditions. Journal of Al-Azhar University-Gaza (Natural Science), 11: 51-58.
11. Josefina C. Sillero, S. Carmona, F. Martínez, **M. Shtaya**, A. Del Olmo, A. Moral and D. Rubiales. 2007. Partial resistance to leaf rust in Spanish landraces of wheat, barley and oat. In: The COST SUSVAR workshop on varietal characteristics of cereals in different growing systems with special emphasis on below ground traits. Edited by Hanne Østergård and Géza Kovács. Velence, Hungary.
12. **Shtaya, M. J. Y.**, Sillero, J. C. and Rubiales, D. 2006. Search for resistance against *Blumeria graminis* f.sp. *hordei* in barley landraces from Fertile Crescent. Barley Newsletter, 49. <http://wheat.pw.usda.gov/ggpages/BarleyNewsletter/49/>

Supervision of MSc students:

1. **Thesis Title:** Study the morphological and agronomic variation of local and improved barley lines.
Student name: Tariq Abu Baker
Supervisor: Munqez Shtaya and Marwan Haddad
Year of graduation: 2019
2. **Thesis Title:** Screening for genetic and environmental variation in the circadian clock in diverse barley collection
Student name: Abd Al-Raheem Hamdan
Supervisor: Munqez Shtaya and Marwan Haddad
Year of graduation: on going
3. **Thesis Title:** Characterization of novel sources of Fusarium resistance in Fakous (*Cucumis melo* subsp. *melo* var. *flexuosus*), by phytopathological approaches
Student name: Imad Subhi Eid
Supervisor: Munqez Shtaya
Year of graduation: 2019
4. **Thesis Title:** Evaluation of different Pearl millet ecotypes under saline conditions
Student name: Ihsan Abu Ali
Supervisor: Hassan Abu Qaoud and Munqez Shtaya
Year of graduation: 2018
5. **Thesis Title:** Evaluation and Assessment of Growth, yield and uptake of Various non local Barley Cultivars Irrigated with Simulated Wastewater
Student name: Zakiyeh S. Namrotee
Supervisor: Marwan Haddad and Munqez Shtaya
Year of graduation: 2016

6. **Thesis Title:** Environmental risk assessment and modelling of heavy metals uptake by barely irrigated with water containing heavy metals.
Student name: Doa'a Majed Nassar
Supervisor: Munqez Shtaya and Marwan Haddad
Year of graduation: 2017
7. **Thesis Title:** In-vitro evaluation of acetylcholinesterase inhibition and antioxidant activity of selected Palestinian medicinal plants: Implications for Alzheimer's disease therapy
Student name: Salam Yousef Abu Zaitoun
Supervisor: Munqez Shtaya
Year of graduation: 2014
8. **Thesis Title:** Assessment of biodiversity among Palestinian landraces of *Cucumis melo* L. groups based on morphological descriptors and molecular markers (RAPD and ISSR)
Student name: Omar Bassam Mallah
Supervisor: Munqez Shtaya
Year of graduation: 2014
9. **Thesis Title:** Phenotypic characterization of faba bean (*Vicia faba* L.) landraces grown in Palestine
Student name: Talal Hassan Al Barri
Supervisor: Munqez Shtaya
Year of graduation: 2012
10. **Thesis Title:** Resistance of some tomato species to *Orobanche aegyptiaca* (Comparative study)
Student name: Mohammad Suleiman Sawafta
Supervisor: Munqez Shtaya
Year of graduation: 2012
11. **Thesis Title:** Identification of resistant sources to leaf rust and powdery mildew disease in oats
Student name: Omar Issam Abu Baker
Supervisor: Munqez Shtaya
Year of graduation: 2011

Teaching Experiences:

- Under graduate students (BSc): Protected agriculture, Principles of Genetics, Biotechnology, and Plant Breeding.
- Post graduate students (MSc): Plant biotechnology, Advanced plant breeding

Participation in research projects:

- Project title: Integrated European Project (FP6) Grain Legumes (New strategies to improve grain legumes for food and feed)
FP6-2002-FOOD-1-506223.

2004 - 2008.

General Coordinator: Noel Ellis (JIC-UK)

- Project title: Integrated oat production in the Mediterranean Basin under the Azahar Program: Physiological, phytopathological, and agronomical approaches.

Ref. AGL2007-65031/AGR

2007 – 2010.

General Coordinator: Elena Prats (IAS-CSIC)

- Project title: Circadian clocks and stress adaptation in barley.

Funded by: DFG

Duration: 60 months (2011 –2017)

General coordinator: Maria von Korf (Max Planck Institute for Plant Breeding, Köln)

- Project title: Transforming Agriculture Curriculum and Training Practices – TACT
Funded by: Ministry of Education and Higher Education, Quality Improvement Fund (QIF)

Grant number: C3-17-U-NNU-05

Duration: 36 months (2017 –2020)

General coordinator: Munqez Shtaya

Courses/Conferences Attended

- Food Security Prospects and Challenges Conference (FSPC-2014). Faculty of Agriculture and Veterinary Medicine, An-Najah National University, Nablus, Palestine. 30 October, 2014.
- The 6th International conference (Intellectual property rights in agriculture). Amman, Jordan. 18-19 September, 2012.
- The Scientific Conference for Agricultural Research (SCAR2012). Faculty of Agriculture, An-Najah National University, Nablus, Palestine. 25 March, 2012.
- The 1st international conference on olive in Palestine: Status and challenges. Tulkarm, Palestine. 8-10 February 2011.
- The 1st agricultural conference of the Agricultural Engineers Association (Agriculture in Palestine: Reality and Challenges), An-Najah National University, Nablus, Palestine. 23 December, 2009.

- The 1st workshop on: Horticultural productivity in Palestine: Current status and future challenges in education, outreach and applied research. Bethlehem University, 19-20 March, 2009.
- The 6th European Conference on grain legumes “Integrating Legume Biology for Sustainable Agriculture” Lisbon, Portugal. 12-16 November, 2007.
- The 6th Jordanian Agricultural Scientific Conference (Safe agriculture to human health and environment), Amman, Jordan, 9-12 April, 2007.

Other scientific activities:

- Membership of the editorial team for Journal of Plant Breeding and Genetics (<http://escijournals.net/JPBG/index>)
- Membership of the editorial team for Journal of Developmental Biology and Tissue Engineering (<http://www.acadjourn.org/JDBTE/Email.htm>).
- Trainer of 15 youth students in agriculture principles and agricultural practices. The project was organized by Nablus Municipality and in cooperation with The Glocal Forum. Nablus, Palestinian Territories. 2006-2007
- Trainer of 25 agricultural engineers in postharvest technology. Ministry of Agriculture, Tulkarm, Palestinian Territories. June 2007.

Skills:

A good knowledge of the following software systems:

- Windows (Microsoft word, PowerPoint and Excel).
- The Statistical Analysis System (SAS).
- Statistix 8.0.
- MAPQTL version 5.0 modified from version 3.0.

Scholarships and Prizes:

- An-Najah Award for research excellence and the quality of publishing, 2017.
- An-Najah Award for research excellence and the quality of publishing, 2015.
- Zamalah Fellowship for capacity building, 2014
- An-Najah Award for research excellence and the quality of publishing, 2013.
- An-Najah Award for research excellence and the quality of publishing, 2012.

- The German Academic Exchange Service (DAAD) scholarship for short scientific visits, provided to study the circadian clock and stress adaptation in barley (*Hordeum vulgare* L.). 15th of June – 30th of July, 2009.
- The Spanish Agency for International Cooperation (AECI), provided for Doctoral study. 2002-2005.
- The International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM), provided for a Specialized Post-Graduate Studies in Plant Breeding. 2000-2001.

Languages:

Language	Speaking	Reading	Writing
Arabic	<i>Mother tongue</i>		
English	Very Good	Very Good	Very Good
Spanish	Excellent	Excellent	Excellent