



**TAGEM**  
R&D AND INNOVATION



## Azad Kılıç, BSc, MSc, PhD Agricultural Genetic Engineer

### EDUCATION

- PhD** 2017-2022 University of Nottingham  
Plant Science - Biosciences
- MSc** 2015-2016 University of Nottingham  
Plant Genetic Manipulation -  
Biosciences
- Bachelor's Degree** 2008-2013 Harran University  
Agricultural Engineering  
(Minor in Horticulture)

**LANGUAGE** English 6.5 (IELTS, 2013)

### CAREER


- 2022- Researcher, Bati Akdeniz  
Agricultural Research Institute, Antalya, Türkiye
- 04.2021 - 10.2021 Lab Technician, Eurasian  
Arabidopsis Stock Centre (uNASC), Nottingham, UK
- 06.2011 - 09.2011 Intern, Faculty of Agriculture,  
Harran University, Türkiye

### ABOUT ME


I was born in 1989 in Mardin. I earned my bachelor's degree at Harran University during which I also received an Erasmus scholarship to study at Politechnika Bydgoska, Poland. I won fully-funded scholarship (YLSY) and received my MSc and PhD degrees at the University of Nottingham, UK. I have been supported by the Rank Prize Fund which helped me conduct the final year of my research work.

I am interested in characterising several novel genes and processes which enable plant roots to alter their branching pattern, allowing crops to capture more resources using both computational and experimental approaches.

### CONTACT

 Batı Akdeniz Tarımsal Araştırma Enstitüsü  
Müdürlüğü  
Demircikara Mah., Paşa Kavakları Cd.,  
No:13, Muratpaşa/Antalya  
07100 TÜRKİYE

 [azad.kilic@tarimorman.gov.tr](mailto:azad.kilic@tarimorman.gov.tr)

 +90 242 724 52 92



▪ **PUBLICATIONS**

▪ **INTERNATIONAL ARTICLES AND PAPERS**

▪ **Articles Published in International Journals**

1. Huang, G., **Kilic, A.**, Karady, M., Zhang, J., Mehra, P., Song, X., Sturrock, C. J., Zhu, W., Qin, H., Hartman, S., Schneider, H. M., Bhosale, R., Dodd, I. C., Sharp, R. E., Huang, R., Mooney, S. J., Liang, W., Bennett, M. J., Zhang, D., Pandey, B. K. (2022). Ethylene inhibits rice root elongation in compacted soil via ABA-and auxin-mediated mechanisms. *Proceedings of the National Academy of Sciences of the United States of America*, 119(30), e2201072119. <https://doi.org/10.1073/pnas.2201072119>
2. Dinu, V., **Kilic, A.**, Wang, Q., Ayed, C., Fadel, A., Harding, S. E., Yakubov, G. E., Fisk, I. D. (2020). Policy, toxicology and physicochemical considerations on the inhalation of high concentrations of food flavour. *npj Science of Food*, 4(1), 1-10. <https://doi.org/10.1038/s41538-020-00075-y>

▪ **International Papers, Conferences, Seminars, Symposiums, etc.**

1. **Kılıç, A.** and Özalp, R. (2022). 'Applications on CRISPR Technology in Pepper (*Capsicum annuum* L.) Breeding'. XIII Symposium on Vegetable Crops Cultivation. Poster Presentation. Abstract Book, p. 95. September 2022. Ege University, Izmir, Türkiye.
2. **Kilic, A.** (2019). 'Genetic Dissection of Tomato Root Development'. XVI Solanaceae Conference (SOL 2019): Yield & Nutrition. Poster Presentation. September 2019. Jerusalem, Israel.
3. **Kilic, A.** (2019). 'Genetic Dissection of Tomato Root Development'. 11<sup>th</sup> European Plant Science Retreat (EPSR). Poster Presentation. July 2019. University of Nottingham, UK.
4. **Kilic, A.** (2019). 'Genetic Dissection of Tomato Root Development'. PGR Symposium. Poster Presentation. June 2019. University of Nottingham, UK.
5. **Kilic, A.** (2018). 'Characterization of Tomato Root Development'. PGR Symposium. Oral Presentation. April 2018. University of Nottingham, UK.
6. **Kilic, A.** (2016). 'Mapping Tomato Root System Architecture (RSA) Quantitative Trait Loci (QTL) and Identifying Underlying Candidate Genes'. PGR Symposium. Poster Presentation. September 2016. University of Nottingham, UK.



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▪ **OTHER PUBLICATIONS**

▪ **PhD Thesis, Master Thesis, Reports, Books etc.**

1. Kılıç, Azad (2022). *Environmental Regulation of Plant Root Development*. PhD thesis. University of Nottingham, UK.

Main supervisor: Prof. Malcolm J. Bennett

Co-supervisors: Prof. Graham B. Seymour  
Prof. Rupert Fray

<https://eprints.nottingham.ac.uk/68891/>

<https://ethos.bl.uk/OrderDetails.do?uin=uk.bl.ethos.859869>

2. Kılıç, Azad (2016). *Mapping Tomato Root System Architecture (RSA) Quantitative Trait Loci (QTL) and Identifying Underlying Candidate Genes*. Master thesis. University of Nottingham, UK.

Supervisor: Prof. Graham B. Seymour



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▪ **Courses, Seminars and Symposiums Attended**

1. International Society of Root Research (ISRR) Dundee Medal Lecture and Root Research Workshop. November 2022.
2. 1<sup>st</sup> International Congress on Biotech Studies. November 2022.
3. 11<sup>th</sup> European Plant Science Organisation (EPSO) Plant Science Seminar. March 2022.
4. 10<sup>th</sup> European Plant Science Organisation (EPSO) Plant Science Seminar. February 2022.
5. 9<sup>th</sup> European Plant Science Organisation (EPSO) Plant Science Seminar. January 2022.
6. The G2P-SOL: “Multi-omics-based management of plant genetic resources”. December 2021.
7. 7<sup>th</sup> European Plant Science Organisation (EPSO) Plant Science Seminar. November 2021.
8. The G2P-SOL: “Using Genetic Resource Data for Breeding”. October 2021.
9. 4<sup>th</sup> European Plant Science Organisation (EPSO) Plant Science Seminar. June 2021.
10. 11<sup>th</sup> Symposium of the International Society of Root Research (ISRR11/Rooting21). University of Missouri. May 2021.
11. Academic Writing: Biosciences. Center for English Language Education (CELE). February 2021.
12. CRISPR Technology. University of Nottingham, UK. February 2020.
13. Accurate and fast quantification of transcriptomes using RNA-seq. The James Hutton Institute, UK. November 2019.
14. 3D RNA-seq Application. University of Dundee, UK. November 2019.
15. qTower qPCR. Analytik Jena - Thistle Scientific. March 2019.
16. Introduction to Macro Programming in Fiji. School of Life Sciences Imaging (SLIM), Medical School, University of Nottingham, UK. September 2018.
17. Lateral Root Workshop. Center for Plant Integrative Biology (CPIB), University of Nottingham, UK. September 2018.
18. Statistics and Experimental Design for Bioscientists. University of Nottingham, UK. September 2017.