



**TAGEM**  
R&D AND INNOVATION

AEGEAN AGRICULTURAL RESEARCH INSTITUTE /  
IZMIR

## NEŞE ADANACIOĞLU, PhD Agricultural Engineer

### EDUCATION

- PhD** Ege University Institute of Graduate School of  
2002-2011 Natural and Applied Sciences Department of  
Horticulture Sciences
- MSc** Ege University Institute of Graduate  
2002-2011 School of Natural and Applied Sciences  
Department of Horticulture Sciences
- Bachelor's Degree** Ege University  
1995-2000 Department of Horticulture

**LANGUAGE** English YÖKDİL 83.75 / YDS 78.75


### CAREER

- 2010 -** Agricultural Engineer, Aegean Agricultural  
Research Institute, Department of Biodiversity  
& Genetic Resources
- 2006-2010** Research Assistant, Ege University Institute of  
Graduate School of Natural and Applied  
Sciences Department of Horticulture Sciences


### ABOUT ME

She was born in Bornova in 1977. She graduated from Ege University Department of Horticulture Faculty of Agriculture in 2000. She received her M.Sc. in 2002 and Ph.D. in 2011 from Ege University Department of Horticulture. She worked at Ege University Department of Horticulture Faculty of Agriculture as research assistant between the years 2006-2010. She has been working as a researcher at Aegean Agricultural Research Institute since 2010. Her researches mainly on cultivation and conservation of mushroom genetic resources. Besides, she has been involved to research projects related to conservation of plant genetic resources material by using *ex-situ* conservation methods such as *in vitro* and cryopreservation.

### CONTACT

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### ▪ **PROJECTS**

#### ▪ **Projects Conducted**

1. Investigations on the cultivation of *Lentinula edodes* on bag culture without using laminar air flow hood. 2001 ZRF-051/ Ege Uni. Scientific Research Projects Department (SRP). Researcher
2. Researches on the cultivation techniques of *Agaricus brasiliensis* (Syn. *A. blazei* Murrill.) mushroom 2001 ZRF-051/ Ege Uni. Scientific Research Projects Department (SRP). Researcher
3. Improvement of Cultivation Techniques of *Morel* (*Morchella* spp.) Mushrooms. 06 DPT 007/ State Planning Organization. Researcher
4. Mainstreaming Biodiversity Conservation and Sustainable Use for Improved Human Nutrition and Well-being GEF Project. 2012-2018 (Aegean Region Working Packages- Researcher).
5. Collection and *Ex Situ* Conservation of Rare, Endemic and Threatened Plant Species of Izmir Province. General Directorate of Agricultural Research and Policies (TAGEM), Researcher.

#### ▪ **Ongoing Projects**

1. Research Project on Macrofungi Genetic Resources. General Directorate of Agricultural Research and Policies (TAGEM), Leader
2. Researches on Conservation of Plant Genetic Resources in Ultra Cold Conditions (Cryopreservation) and Establishment of National Cryobank. General Directorate of Agricultural Research and Policies (TAGEM), Researcher.
3. *Ex Situ* (Seed) Conservation of Plant Genetic Resources. General Directorate of Agricultural Research and Policies (TAGEM), Researcher.
4. Documentation of Plant Genetic Resources. General Directorate of Agricultural Research and Policies (TAGEM), Researcher.
5. Identification of landraces or non-collecting regions that are not adequately represented in the National Gene Bank and filling the gaps., TAGEM, Researcher
6. Eco Conscious Biodiversity: A Green Way. (Tübitak 4004, 2022-)

### ▪ **PUBLICATIONS**

#### ▪ **INTERNATIONAL ARTICLES AND PAPERS**

##### ▪ **Articles Published in International Journals**

1. **Adanacioglu, N.**, Boztok, K., Akdeniz, R.C., 2015. The Effects of Light Intensity, Casing Layers, and Layering Styles on Royal Sun Medicinal Mushroom, *Agaricus brasiliensis* (Higher Basidiomycetes) Cultivation in Turkey. *International Journal of Medicinal Mushrooms* 17/ 397-405pp /4
2. Adanacioglu H., **Adanacioglu N.**, 2016. Use of Direct Marketing Strategies by Farmers in Izmir, Turkey: A Case Study of Artichoke Growers. *Hungarian Agricultural Engineering* 29, 32-35 pp.
3. T. Borelli, N. A. Guzelsoy, D. Hunter, A. Tan, S. Karabak, H. O. Ucurum, F. Cavus, S. T. Ay, **N. Adanacioglu**, K. Ozbek, B. Ozen, E. Tokat & R. Tasci. 2022. Assessment of the Nutritional Value of Selected Wild Food Plants in Türkiye and Their Promotion for Improved Nutrition, Sustainability, 2071-1050, 14, 17.



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### International Papers, Seminars, etc.

1. **Adanacioglu, N.**, Boztok, K., Akdeniz, R.C., 2011. Effect Of Light Intensity on *Agaricus brasiliensis* (A. blazei Murill.) Cultivation. Synergy In The Technical Development Of Agriculture and Food Industry Gödöllö, Hungary (Poster).
2. **Adanacioglu, N.**, Boztok, K., Akdeniz, R.C., 2009. Some Growing Media for *Agaricus brasiliensis* Cultivation. Synergy and Technical Development International Conferences In Agricultural Engineering. 33rd R&D Conference Of The Agricultural Engineering Board of Hungarian Academy of Sciences, Hungary (Oral Presentation).
3. Adanacioglu H., **Adanacioglu N.**, 2015. Use of Direct Marketing Strategies by Farmers in Izmir, Turkey: A Case Study of Artichoke Growers. Turkey Synergy International Conferences- Engineering, Agriculture and Green Industry Innovation Gödöllö, Hungary (Oral presentation).
4. **Adanacioglu, N.**, Adanacioglu H, 2015. Analysis of Consumer Preferences Toward Cultivated Mushrooms: A Case Study of Izmir, Turkey Synergy International Conferences- Engineering, Agriculture and Green Industry Innovation Gödöllö, Hungary (Oral presentation).
5. **Adanacioglu, N.**, Tan, A, Güzelsoy, Aysar, N., Aykas, L., Taş, N., Taylan, T., 2016. Traditional Uses of Wild Edible Plants for Health and Nutrition: A Case Study of Aegean Region of Turkey. The 4th International One Health Congress & 6th Biennial Congress of the International Association for Ecology and Health. 3 - 7 December, Melbourne, Australia (Poster).
6. Tan, A, Tuğrul Ay S., **Adanacioglu, N.**, Güzelsoy Aysar, N., Karabak S., Çınar, A., 2016. Biodiversity for Food and Nutrition: Edible Wild Species, Wild Mushrooms and Underutilized Species of Turkey. The 4th International One Health Congress & 6th Biennial Congress of the International Association for Ecology and Health, 3 - 7 December, Melbourne, Australia (Poster).
7. Adanacioglu H., **Adanacioglu N.**, Saner G., 2016. Slow Food Movement in Turkey. The 4th International One Health Congress & 6th Biennial Congress of the International Association for Ecology and Health 3 - 7 December, Melbourne, Australia (Poster).
8. **Adanacioglu, N.**, Kalyoncu, F., Adanacioglu, H., Taylan T., 2017. Commercialized wild mushroom species : A case study Balıkesir/Sındırgı, Turkey. 1th International Eurasia Mycology Congress, 03 – 05th July, Manisa / Turkey (Poster).
9. Kalyoncu, F., **Adanacioglu, N.**, 2017. Antioxidant and antibacterial properties of *Pleurotus ostreatus* and *P. eryngii* collected from Anatolia. International Symposium on Biodiversity and Edible Wild Species, 3-5 April, Antalya.(Poster)
10. **Adanacioglu, N.**, Tan, A., Karabak, S., Güzelsoy, N., Ayas, F., Aykas, L., Taş, N., Taylan, T., 2017. Economically important wild mushroom saffron milk cap (*Lactarius deliciosus* (L.) Gray) of Aegean Region, Turkey. International Symposium on Biodiversity and Edible Wild Species, 3-5 April, Antalya. (Oral presentation).
11. Kır, A., Tan, A., **Adanacioglu, N.**, Karabak, S., Aysar, N. A., 2017. Traditional underutilized crop of Turkey: Cowpea (*Vigna unguiculata* (L.) Walp.) landraces. International Symposium on Biodiversity and Edible Wild Species, 3-5 April, Antalya. (Oral presentation).



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12. Tan, A, **Adanacioglu, N.**, Karabak, S., Aykas, L., Taş, N., Taylan, T., 2017. Biodiversity for food and nutrition: Edible wild plant species of Aegean Region of Turkey. International Symposium on Biodiversity and Edible Wild Species, 3-5 April, Antalya. (Oral presentation).
13. Tan, A, **Adanacioglu, N.**, Karabak, S., Aysar, N., Tan, A. Ş., Aykas, L., 2017. Sea beets (*Beta vulgaris* subsp. *maritima*), wild edible and home garden beets of Turkey International Symposium on Biodiversity and Edible Wild Species, 3-5 April, Antalya. (Oral presentation).
14. Eldogan, S., Adanacioglu, N., Ogur, E., 2021. *In vitro* propagation of a high value medicinal plant: *Origanum sipyleum* L. III. Balkan Agricultural Congress August 29-September 1, 2021, Edirne, Turkey
15. Doğan, S., Oğur E., **Adanacioğlu, N.**, 2022. Cryopreservation of Well-Known Turkish Medicinal & Aromatic Plant: *Origanum sipyleum* L. 1st International Symposium of Biodiversity Studies., 23 Mayıs 2022, 25 Mayıs 2022. (Oral Presentation).
16. Oğur, E., **Adanacioğlu, N.**, Doğan, S., & Şenel, Ü., 2022. Long-Term Conservation of Two Garlic (*Allium sativum* L.) Local Varieties of Turkey via Cryopreservation, 1st International Symposium of Biodiversity Studies. (Oral Presentation).

### ▪ NATIONAL ARTICLES AND PAPERS

#### ▪ Articles Published in National Journals

1. Boztok, K. ve **Erkip, N.**, 2002. Cultivation of Shiitake Mushroom (*Lentinula edodes*) on Synthetic Logs The Journal of Ege University Faculty of Agriculture, 39 (3):144-151, 2002. (in Turkish).
2. Boztok, K. ve **Erkip, N.**, 2002. Cultivation of Shiitake Mushroom (*Lentinula edodes*) on Logs . The Journal of Ege University Faculty of Agriculture, 39 (1): 149-155, 2002 (in Turkish).
3. **Erkip, N.**, Boztok, K., Eşiyok, D., 2007. A Product gains in popularity “Mushroom” – Journal of Dünya Gıda (in Turkish).
4. **Erkip, N.** ve Boztok K., 2003. Influence Of Hydrogen Peroxide Treatment on The Yield of *Lentinula edodes* Cultivated On Bag Culture The Journal of Ege University Faculty of Agriculture, 40 (1):1-7. (in Turkish)
5. **Adanacioglu, N.**, Yildiz, U., Ogur, E., Aykas, L., Tan, A., Taylan, T., 2016. Genetic Resources of Macrofungi of Turkey I. Aegean Region Journal of Anadolu 26 (1), 46-61 (in Turkish)
6. Aykas L., Taş N., **Adanacioğlu N.**, Oğur O., Özer U., 2016. National Seed Gene Bank. Anadolu, J. of AARI. 26 (2) 2016, 44-50. (in Turkish)
7. **Adanacioğlu, N.**, Tan, A., Karabak, S., Güzelsoy, N., Ayas, F., Aykas, L., Taylan, T., 2017. Economically Important Wild Mushroom Saffron Milk Cap [*Lactarius deliciosus* (L.) Gray] of Aegean Region. J. of AARI 27 (2) 2017, 91 - 96pp.
8. Kır, A., Tan, A., **Adanacioğlu, N.**, Karabak, S., Aysar, N. A., 2017. A Traditional Underutilized Crop of Turkey: Cowpea (*Vigna unguiculata* (L.) Walp.) Landraces J. of AARI 27 (2) 2017, 62-68 pp.
9. Tan, A, **Adanacioğlu, N.**, Karabak, S., Aysar, N., Tan, A. Ş., Aykas, L., 2017. Sea Beets (*Beta vulgaris* subsp. *maritima*), Wild Edible and Home Garden Beets of Turkey J. of AARI 27 (2) 2017, 54 - 61
10. Tan, A, **Adanacioglu, N.**, Karabak, S., Aykas, L., Taş, N., Taylan, T., 2017 Biodiversity for Food and Nutrition: Edible Wild Species of Aegean Region J. of AARI 27 (2) 2017, 1 – 8
11. Kaya, M., Berktaş, S., **Adanacioğlu, N.**, Çam, M. 2021. Determination of Total Phenolic Content, Antioxidant Activity and Eritadenine Compound of Wild Mushrooms In Kayseri Region and Cultivated Medicinal Mushrooms GIDA - Journal of Food 2021 Vol.46 No.2 pp.376-395
12. Doğan, S., Adanacioğlu N., Oğur, E., 2022. *In Vitro* Propagation of Endemic Mor Mercan Plant (*Origanum sipyleum* L.), ANADOLU Journal of AARI, 1300-0225, 32, 1, 124-132 (in Turkish).



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### ▪ National Papers, Seminars, etc.

1. **Erkip, N.**, Boztok, K., Akdeniz, C.R., 2004. Possibilities of Mechanization in Mushroom Compost Production. VII. Turkey Edible Mushroom Congress, Korkuteli, Antalya. (in Turkish-Poster).
2. **Erkip, N.** ve Boztok, K., 2004. Infection of *Trichoderma* spp. on *Lentinula edodes* Cultivation and its management . VII. Turkey Edible Mushroom Congress, Korkuteli, Antalya (in Turkish-Poster).
3. **Erkip, N.** ve Boztok, K., 2008. Cultivation of *Agaricus brasiliensis*. VIII. Turkey Edible Mushroom Congress, İzmit. (Presentation).
4. **Adanacıoğlu, N.**, Yıldız Ü., Oğur, E., 2012. Some Economically Important Wild Mushrooms: A case study of Izmir” IX Turkey Edible Mushroom Congress, 18-20 October, Denizli (in Turkish-Poster).
5. Yıldız Ü., **Adanacıoğlu, N.**, Oğur, E., 2012. Morel Mushrooms of Izmir (*Morchella* spp.) IX Turkey Edible Mushroom Congress, 18-20 October, Denizli (in Turkish-Poster).

### ▪ OTHER PUBLICATIONS

#### ▪ Ph.D. Thesis, Master Thesis, Reports, Books etc.

- 1- **Erkip, N.**, 2002. Investigations on the cultivation of *Lentinula edodes* on bag culture without using laminar air flow hood. Master Thesis, Ege University Institute of Graduate School of Natural and Applied Sciences Department of Horticulture Sciences, Bornova, Izmir. (in Turkish).
- 2- **Adanacıoğlu, N.**, 2011. Researches On The Cultivation Techniques of *Agaricus brasiliensis* (*A. blazei* Murrill.) Mushroom. Ph.D. Thesis, Ege University Institute of Graduate School of Natural and Applied Sciences Department of Horticulture Sciences, Bornova, Izmir, 242 pp. (in Turkish).

#### ▪ Books & Book Parts

1. Tan, A, **Adanacıoğlu, N.**, Tugrul Ay, S., Cinar, A., Cinar, O., Ozbek, K., Karabak, S., Deniz, D., 2019. Some edible wild plants, Wild Mushroom and underutilized crop species of Turkey. BFN Project Book. 113 pp.
2. Tan, A, **Adanacıoğlu, N.**, Tugrul Ay, S., Batal, M., Ghattas, H., Talhouk, S., 2020. Where the wild things are Agrobiodiversity, School Gardens and Healthy Diets Promoting Biodiversity, Food and Sustainable Nutrition.

#### ▪ Membership, Training, Course, Meeting, Congress, Symposium and Other Activities

- 1- 2013. Macrofungi Genetic Resources and Some Popular Mushroom Species In The World. 2<sup>nd</sup> International Course On Genebank Management and Biodiversity Conservation. IARTC, IZMIR-TURKEY (Lecturer).
- 2- 2016. Conservation and usage of Macrofungi Genetic Resources. 4<sup>th</sup> International Course On Genebank Management and Biodiversity Conservation. IARTC, IZMIR-TURKEY (Lecturer).
- 3- 2016 Cryopreservation Techniques. 4<sup>th</sup> International Course On Genebank Management and Biodiversity Conservation IARTC, IZMIR-TURKEY (Lecturer).
- 4- 2017. Conservation of Macrofungi Genetic Resources. International Course on Genebank Management. Tagem/UTAEM (Lecturer)