

**IREM TUFEKÇIOĞLU****Address:** Istanbul / Türkiye**Phone:** 0536 343 85 92**E-mail:** [iremtuf@gmail.com](mailto:iremtuf@gmail.com)**Birth Place&Date:** Istanbul, 06.08.1985**Marital Status:** Single**Driver License:** B Class**WORK EXPERIENCE****August, 2019 - ongoing****Project Coordinator, Forest Ecology and Biodiversity Expert**

- Coordinator and Expert of the post-fire restoration project entitled **"Holistic Fire Management and Ecological Restoration"** conducted in Marmaris and its surroundings, with the partnership of WWF Türkiye. Determine burned areas from the last 30 years using remote sensing methods and GIS tools, conduct fieldwork to identify potential sampling areas for comparing the success of different restoration practices implemented by the General Directorate of Forestry, develop scientific methods and data collection systems, investigate plant species diversity, vegetation structure, and resilience capacities to fire and climate change, and propose ecological restoration strategies.
- Coordinator and Expert of the resilience research project entitled **"Resilient and Climate-Adapted Islands: Bozcaada and Gökçeada"** conducted in Bozcaada and Gökçeada, with the partnership of the Civil Society Support Foundation and Turquoise Coast Environmental Fund Turkey. Map vegetation mosaics using remote sensing methods, conduct fieldwork to assess the resilience and resistance capacities of island ecosystems to fire and climate change, analyze field data using GIS and R environments, prepare management plans for the study areas based on findings, and complete project reports.
- Coordinator and Expert of the biodiversity project entitled **"Tree Microhabitats: A Key for Forest Conservation Planning"** conducted in Yedigöller National Park, with the partnership of RUFFORD Foundation and Eastern Mediterranean Research Association, develop project idea, write and completion of project application, determine tree microhabitats by adapting Marteloscope and IBP (index of biodiversity) methods, collect field data for analyzing the impact of recreation activities on the National Park, and develop conservation and biodiversity strategies by revealing ecological value of tree microhabitats, prepare project progress and budget reports.
- Expert of the biodiversity and post-fire research project entitled **"Ecological Researches in İzmir Project"** conducted in İzmir, with the partnership of the Hacettepe University and İzmir Metropolitan Municipality, develop research method suitable for biodiversity inventory studies, create species databases and visualize maps by using GIS, conduct field works on plant diversity in burned areas to compare different post-fire restoration implementations, prepare project progress reports and support project management and budget.
- Expert of the post-fire restoration project entitled **"A Multi-Perspective Ecological Post-Fire Restoration Approach Project"**, conducted in Muğla and Antalya, with the partnership of the GEF SGP, General Directorate of Forestry, Muğla and Antalya Regional Forest Directorates and Eastern Mediterranean Research Association, develop project idea, write and completion of project application, determine burned areas and burn severities by using GIS tools in Muğla and Antalya, formulate research method and conduct field works on plant diversity in burned areas to compare different post-fire restoration implementations, develop post-fire restoration recommendations and prepare project progress reports.
- Coordinator and Expert of the post-fire information project entitled **"Monitoring the Recovery of Mediterranean Forest and Maquis After Fire and Sharing the Findings with the Public"** conducted in the Mediterranean of Türkiye, with the partnership of the Nature Conservation Centre and Support Foundation for Civil Society, determine burned areas in the Mediterranean of Türkiye in 2021 and 2022 by

using GIS tools, reveal important species affected because of fire by working with flora and fauna experts, create detailed content of burned areas for the project website, prepare project progress and budget reports.

- Expert of the post-fire restoration project entitled **“Marmaris and Köyceğiz Special Environmental Protection Area (SEPA) Ecological Rescue and Ecological Rehabilitation Project”** conducted in Marmaris and Köyceğiz SEPAs, with the partnership of the Hacettepe University and General Directorate of Cultural and Natural Heritage, determine burned areas and burn severities by using GIS tools, formulate research method and conduct field works in burned areas to determine the effects of fire on vegetation and plant diversity, develop post-fire restoration recommendations and prepare project progress.
- Coordinator and Expert of the project entitled **“Research on the Evaluation of Tree Microhabitats in Belgrade Forests in terms of Nature Conservation and Planning”** conducted in Belgrade Forest İstanbul, with the partnership İstanbul University-Cerrahpaşa Faculty of Forestry, develop project idea, write and completion of project application, determine tree microhabitats by adapting Marteloscope method, collect field data for analyzing the impact of recreation activities on the forest and develop conservation and biodiversity strategies by revealing ecological value of tree microhabitats, support project progress and budget reports.
- Coordinator and Expert of the biodiversity and forest conservation project entitled **“Preparing Biodiversity Management Plan and Protecting Forest Biodiversity”** conducted in Erzurum, with the partnership of Nature Conservation Centre, TANAP, General Directorate of Forestry and Erzurum Regional Forest Directorate, develop research method suitable for biodiversity inventory studies, conduct field works on forests with high value, evaluate biodiversity data to determine priority areas and prepare project progress reports.
- Expert of the biodiversity and forest conservation project entitled **“Preparation, Implementation and Monitoring of Species Action Plans for Endangered Species in Türkiye within the Concept of a New Methodology”**, with the partnership of European Union and Nature Conservation Centre, coordinate fauna and flora experts to create biodiversity database of Türkiye, prepare detailed research reports on species action plans in national, regional and global level, species conservation projects conducted in Türkiye and best examples on conservation studies conducted in Türkiye and Europe.
- Coordinator and Expert of the biodiversity and vegetation conservation project entitled **“Identifying conservation importance of maquis habitats and developing new approaches on integrating maquis vegetation to forest management plans in Türkiye”**, with the partnership of RUFFORD Foundation, Nature Conservation Centre and Muğla Regional Forest Directorate, develop project idea, write and completion of project application, formulate research method and conduct field work in Marmaris to determine woody plant species richness and diversity of maquis vegetation, evaluate field data to develop conservation recommendations for maquis species into the forest management plans, prepare project progress and budget reports.

**November, 2014 – April, 2019**

**Project Officer, Forest Conservation Programme**

**Nature Conservation Centre, Ankara**

- Responsible for the biodiversity and nature conservation project entitled **“Sustainable Land Management and Climate Friendly Agriculture”** conducted in Konya, with the partnerships of FAO, General Directorate of Forestry and Konya Regional Forest Directorate, develop research method suitable for biodiversity inventory studies, coordinate fauna and flora experts for the field works, evaluate biodiversity data to determine priority areas and develop prescriptions to reduce impact of forestry activities on biodiversity of forestland, steppe areas and degraded dryland ecosystems, create biodiversity management plans in terms of aspects of forest and agriculture sectors, prepare project progress reports and support project management and budget.
- Responsible for the biodiversity and nature conservation project entitled **“GEF-V: Integrated Approach to Management of Forests in Türkiye”** conducted in the Mediterranean region of Türkiye, with the partnerships of UNDP, General Directorate of Forestry and Muğla, Antalya, Adana, Mersin and Kahramanmaraş Regional Forest Directorates, develop research method suitable for biodiversity inventory studies, coordinate fauna and flora experts for the field works, evaluate biodiversity data to determine

priority areas and develop prescriptions to reduce impact of forestry activities on biodiversity of forests and integrate into the forest management plans of General Directorate of Forestry and prepare project progress reports.

- Overall management of the biodiversity monitoring subproject entitled **“Integrating Biodiversity into Forestry”** conducted in the northeastern part of Türkiye, with the partnerships of BTC and General Directorate of Forestry, develop a monitoring method suitable for the impacts of forestry activities on biodiversity, conduct field work to monitor how forest management plans are implemented by local foresters and formulate first monitoring report, prepare project progress and budget reports.
- Overall management of the plant species conservation projects as **“Conservation of *Phoenix theophrastii*”** and **“Conservation of *Centaurea tchihatcheffii*”** to conduct field work for inventory, prepare conservation plans, develop a monitoring method and start the first studies, work with local authorities for awareness raising in the local area and prepare project progress and budget reports.

**May - July, 2014**

**Volunteer (European Voluntary Service),**

**Management Body of Mountain Parnonas & Moustos Wetland, Greece**

- Support local flora and fauna experts in the field work and prepare biodiversity maps of the protected areas by using GIS tools.
- Guard/patrol in the protected area accompanying the qualified personnel, and surveil in order to prevent illegal activities within the protected area.

**August, 2011 – January, 2013**

**Project Officer, Department of Forestry and Rural Development,**

**TEMA Foundation, Istanbul**

- Overall management of the rural development project entitled “Raising of quality and efficiency in Pistachio production” conducted in Gaziantep, with the partnerships of Nestle and Pistachio Research Institute, coordinate local experts and project activities, prepare project progress and budget reports.
- Responsible for reforestation projects conducted in Türkiye, with the partnership of Türkiye İş Bankası (“81 Forests in 81 Cities” project), Koç Holding (“Forests for my country” project) and several companies (“Memorial Forests” projects), coordinate reforestation stages by controlling the preparation of the plantation areas, organizing planting activities with volunteers, monitoring the reforestation success, and prepare project progress and budget reports.

**September, 2010 – July, 2011**

**Volunteer,**

**GEO Magazine and WWF Turkey, Istanbul**

- Research about forestry and nature conservation projects and develop new project ideas.
- Write articles about environmental issues and article translations from English and German to Turkish and vice versa.

**September, 2007 – August, 2010**

**Assistant Student, Department of Forest Engineering Silviculture Program**

**Istanbul University Faculty of Forestry,**

- Organize lecture notes on Silviculture undergraduate courses.
- Translation of the dictionary entitled “Terminology of Forest Management Planning” to Turkish from German, edit term definitions and prepare the edition of the book.

## EDUCATION

<b>2022 - 2024</b>	<b>Hacettepe University, Ankara</b> Institute of Graduate Studies in Science, Biology (Ecology) Programme PostDoc Degree
<b>2015 - 2022</b>	<b>Hacettepe University, Ankara</b> Institute of Graduate Studies in Science, Biology (Ecology) Programme PhD Degree
<b>2010 - 2017</b>	<b>Anadolu University, Eskişehir</b> Faculty of Open University, Department of Sociology Undergraduate Degree
<b>2008 - 2013</b>	<b>Istanbul University, Istanbul</b> Institute of Science, Department of Forest Engineering, Silviculture Programme Master Degree
<b>2006, 02 - 07</b>	<b>Universität für Bodenkultur Wien, Vienna</b> Forstwirtschaft (Erasmus Student) Department of Forest Engineering (Erasmus Student)
<b>2004 - 2008</b>	<b>Istanbul University, Istanbul</b> Faculty of Forestry, Department of Forest Engineering Undergraduate
<b>1996 - 2004</b>	<b>Sankt Georg Austrian College in Istanbul</b> Middle & High school

## CERTIFICATES

<b>2023, 12</b>	Monitoring Land Use Change with Remote Sensing Techniques By TUBITAK (Scientific and technological research council of Turkey)
<b>2022, 10</b>	Introduction to Ecosystem Restoration UNDP & Convention on Biological Diversity
<b>2021, 8</b>	Land Use and Ecosystem Change Summer School Karlsruhe Institute of Technology (KIT)
<b>2020, 6</b>	IUCN Red List of Ecosystems Deakin University, Melbourne Australia
<b>2019, 02</b>	Training of Trainers on the use of the C3S Climate Data Store By Wageningen University&Research
<b>2018, 11</b>	Young Leadership Programme on Forest-based Bioeconomy: Focus on Mediterranean By EFI (European Forest Institute)
<b>2018, 02</b>	Analytical Nature, Clustering Analysis and Ordination Techniques By TUBITAK (Scientific and technological research council of Turkey)
<b>2016, 12</b>	Concepts, Methods and Tools for an Integrated Approach of Resilience in Mediterranean Forests By CIHEAM: Instituto Agronomico Mediterraneo de Zaragoza
<b>2014, 02</b>	Introduction to ArcGIS I and II By Environmental Systems Research Institute, ESRI Turkey
<b>2014, 01</b>	Project Cycle Management (PCM) By AB Academy

## RESEARCH STUDIES

<b>PhD's Thesis</b>	: Quantifying the resistance and resilience of maquis vegetation to fire regime and climatic changes, and suggestions for the integration of maquis vegetation to forest management plans
<b>Master's Thesis</b>	: Structural Characteristics of Forest Edges in Belgrade Forest
<b>Undergraduate Thesis</b>	: Characteristics of Materials used for Cultivation in Istanbul

## PUBLICATIONS

- Yebra, M., Scortechini, G., Adeline, K., Aktepe, N., Almoustafa, T., Bar-Massada, A., Beget, M.E., Boer, M., Bradstock, R., Brown, T., Castro, F.X., Chen, R., Chuvieco, E., Danson, M., Değirmenci, C.Ü., Delgado-Dávila, R., Dennison, P., Di Bella, C., Domenech, O., Féret, J.B., Forsyth, G., Gabriel, E., Gagkas, Z., Gharbi, F., Granda, E., Griebel, A., He, B., Jolly, M., Kotzur, I., Kraaij, T., Kristina, A., Kütküt, P., Limousin, J-M., Martín, M.P., Monteiro, A.T., Morais, M., Moreira, B., Mouillot, F., Msweli, S., Nolan, R.H., Pellizzaro, G., Qi, Y., Quan, X., Resco de Dios, V., Roberts, D., Tavşanoğlu, Ç., Taylor, A.F.S., Taylor, J., **Tüfekcioğlu, İ.**, Ventura, A., Cardenas, N.Y. 2024. Globe-LFMC 2.0, an enhanced and updated dataset for live fuel moisture content research. Scientific Data, 11(1), 332, DOI: 10.1038/s41597-024-03159-6. in english.
- **Tüfekcioğlu, İ.**, Tavşanoğlu, Ç. 2024. Growth form, regeneration mode, and vegetation type explain leaf trait variability at the species and community levels in Mediterranean woody vegetation. Ecology and Evolution, 14(3), DOI: 10.1002/ece3.11145. in english.
- **Tüfekcioğlu, İ.**, Bilgin, C.C., Güngöroğlu, C., Kavgacı, A., Tavşanoğlu, Ç. 2023. Maquis vegetation in Mediterranean-climate region of Türkiye and recommendations for conservation and forestry practices. Turkish Journal of Forestry, 24(4): 452-462. DOI: 10.18182/tjf.1301954. in english.
- Verdú, M., Garrido, J.L., Alcántara, J.M., Montesinos-Navarro, A., Aguilar, S., Aizen, M.A., Al-Namazi, A.A., Alifriqui, M., Allen, D., Anderson-Teixeira, K.J., Armas, C., Bastida, J.M., Bellido, T., Bonanomi, G., Paterno, G.B., Briceño, H., de Oliveira, R.A.C., Campoy, J.G., Chaieb, G., Chu, C., Collins, S.E., Condit, R., Constantinou, E., Degirmenci, C.Ü., Delalandre, L., Duarte, M., Faife, M., Fazlioglu, F., Fernando, E.S., Flores, J., Flores-Olvera, H., Fodor, E., Ganade, G., Garcia, M.G., García-Fayos, P., Gavini, S.S., Goberna, M., Gómez-Aparicio, L., González-Pendás, E., González-Robles, A., Hubbell, S.P., İpekdağ, K., Jorquera, M.J., Kikvidze, Z., Kütküt, P., Ledo, A., Lendínez, S., Li, B., Liu, H., Lloret, F., López, R.P., López-García, A., Lortie, C.J., Losapio, G., Lutz, J.A., Luzuriaga, A.L., Máliš, F., Manrique, E., Manzaneda, A.J., Marcilio-Silva, V., Michalet, R., Molina-Venegas, R., Navarro-Cano, J.A., Novotny, V., Olesen, K.M., Ortiz-Brunel, J.P., Pajares-Murgó, M., Parissis, N., Parker, G., Perea, A.J., Pérez-Hernández, V., Pérez-Navarro, M.A., Pistón, N., Pizarro-Carbonell, E., Prieto, I., Prieto-Rubio, J., Pugnaire, F.I., Ramírez, N., Retuerto, R., Rey, P.J., Rodríguez Ginart, D.A., Rodríguez-Sánchez, M., Sánchez-Martín, R., Schöb, C., Tavşanoğlu, Ç., Tedoradze, G., Tercero-Araque, A., Tielbörger, K., Touzard, B., **Tüfekcioğlu, İ.**, Turkis, S., Usero, F.M., Usta, N., Valiente-Banuet, A., Vargas-Colin, A., Vogiatzakis, I., Zamora, R. 2023. RecruitNet: A global database of plant recruitment networks. Ecology, DOI: 10.1002/ecy.3923. in english.
- Çolak, A.H., Kırca, S., Arslangündoğdu, Z., **Tüfekcioğlu, İ.**, Özalp, G. 2022. Forest Edges – Bridges Between Forest and Open Landscapes. T.C. Tarım ve Orman Bakanlığı Orman Genel Müdürlüğü. 299 pages. ISBN: 978-625-8451-51-1. in turkish.
- **Tüfekcioğlu, İ.**, Ergen, G., Kaynaş, B., Aktepe, N., Tavşanoğlu, Ç. 2022. Developing recommendations by rapid ecological assessment for post-fire restoration in low altitude forests and shrublands in Mediterranean climate region: A case study for Datça-Bozburun Special Protection Area. Turkish Journal of Forestry , 23 (3) , 163-177 . DOI: 10.18182/tjf.1118883. in turkish.
- **Tüfekcioğlu, İ.**, Tavşanoğlu, Ç. 2022. Diversity and regeneration strategies in woody plant communities of the Mediterranean Basin: Vegetation type matters, Plant Biosystems - An International Journal Dealing with all Aspects of Plant Biology, DOI: 10.1080/11263504.2022.2036845. in english.
- Aktepe, N., **Tüfekcioğlu, İ.** 2021. Maquis Vegetation and Flammability of Maquis Species. Orman ve Av Dergisi. Orman Yangını Özel Sayısı. Temmuz-Ağustos. 4. Cilt 99. ISSN: 1302-040X. in turkish.
- **Tüfekcioğlu, İ.**, Sayın, M.A., Ertürk, T., Mızraklı, A., Zeydanlı, U. 2020. Guide how to integrate into the forest management plans. Nature Conservation Centre, Ankara. 40 pages. ISBN: 978-605-06990-3-6. in turkish.
- Balkız, Ö., Bucak, T., Demirbaş Çağlayan, S., Ülker, E.D., **Tüfekcioğlu, İ.**, Bilgin, G.D., Pamukçu Albers, P., Durmuş, M., Turak, A., Aslan, A.T., Taş, S., Kurtoğlu, S., Bilgin, C., Otrakçier, T., Özbağdatlı, N., Kurt, B., Küçük, M., Kamiloğlu, M., Lise, Y., Zeydanlı, U. 2020. Assessment of Adana Regional Forest Directorate and Pos Forest Manegement Directorate in terms of Sustainable Forest Management. Nature Conservation Centre, Ankara. 140 pages. ISBN: 978-605-82749-6-9. in turkish.
- Balkız, Ö., Bucak, T., Demirbaş Çağlayan, S., Ülker, E.D., **Tüfekcioğlu, İ.**, Bilgin, G.D., Pamukçu Albers, P., Durmuş, M., Turak, A., Aslan, A.T., Taş, S., Kurtoğlu, S., Bilgin, C., Otrakçier, T., Özbağdatlı, N., Kurt, B., Küçük, M., Kamiloğlu, M., Lise, Y., Zeydanlı, U. 2020. Assessment of Antalya Regional Forest Directorate and Gazipaşa

Forest Manegement Directorate in terms of Sustainable Forest Management. Nature Conservation Centre, Ankara. 145 pages. ISBN: 978-605-82749-5-2. in turkish.

- Balkız, Ö., Bucak, T., Demirbaş Çağlayan, S., Ülker, E.D., **Tüfekcioğlu, İ.**, Bilgin, G.D., Pamukçu Albers, P., Durmuş, M., Turak, A., Aslan, A.T., Taş, S., Kurtoğlu, S., Bilgin, C., Otrakçier, T., Özbağdatlı, N., Kurt, B., Küçük, M., Kamiloğlu, M., Lise, Y., Zeydanlı, U. 2020. Assessment of Kahramanmaraş Regional Forest Directorate and Andırın Forest Manegement Directorate in terms of Sustainable Forest Management. Nature Conservation Centre, Ankara. 144 pages. ISBN: 978-605-82749-9-0. in turkish.
- Balkız, Ö., Bucak, T., Demirbaş Çağlayan, S., Ülker, E.D., **Tüfekcioğlu, İ.**, Bilgin, G.D., Pamukçu Albers, P., Durmuş, M., Turak, A., Aslan, A.T., Taş, S., Kurtoğlu, S., Bilgin, C., Otrakçier, T., Özbağdatlı, N., Kurt, B., Küçük, M., Kamiloğlu, M., Lise, Y., Zeydanlı, U. 2020. Assessment of Mersin Regional Forest Directorate and Gülnar Forest Manegement Directorate in terms of Sustainable Forest Management. Nature Conservation Centre, Ankara. 144 pages. ISBN: 978-605-82749-8-3. in turkish.
- Balkız, Ö., Bucak, T., Demirbaş Çağlayan, S., Ülker, E.D., **Tüfekcioğlu, İ.**, Bilgin, G.D., Pamukçu Albers, P., Durmuş, M., Turak, A., Aslan, A.T., Taş, S., Kurtoğlu, S., Bilgin, C., Otrakçier, T., Özbağdatlı, N., Kurt, B., Küçük, M., Kamiloğlu, M., Lise, Y., Zeydanlı, U. 2020. Assessment of Muğla Regional Forest Directorate and Köyceğiz Forest Manegement Directorate in terms of Sustainable Forest Management. Nature Conservation Centre, Ankara. 144 pages. ISBN: 978-605-82749-7-6. in turkish.
- Lise, Y., **Tüfekcioğlu, İ.**, Çağlayan, S.D., Turak, A., Kaya, B., Balkız, Ö., Ertürk, T., Mızraklı, A., Çort, A., Gündüz, Y., Bilgin, C.C., Zeydanlı, U. 2019. Integrating Biodiversity into Forestry: Gazipaşa Forest Management Directorate. Nature Conservation Centre, Ankara. 120 pages. ISBN: 978-605-06990-4-3. in turkish.
- Lise, Y., Özüt, D., **Tüfekcioğlu, İ.**, Ülgen, H. 2019. Introduction. Page 1-7. Özüt, D., Tufanoğlu, G.Ç., Zeydanlı U. (editors) 2019. Integrating Biodiversity into Forestry Practitioner's Guide. Nature Conservation Center, Ankara. 306 pages. ISBN: 978-605-82749-3-8. in english and turkish both.
- Lise, Y., **Tüfekcioğlu, İ.**, Ülgen, H., Bilgin, C.C., Zeydanlı, U. 2019. Introduction. Page 1-22. Zeydanlı, U., Özüt, D. (editors) 2019. Integrating Biodiversity into Forestry – Planner's Guide. Nature Conservation Center, Ankara. 173 pages. ISBN: 978-605-82749-4-5. in english and turkish both.
- Özüt, D., Lise, Y., **Tüfekcioğlu, İ.**, Ülgen, H. 2019. Monitoring of the Practices. Page 121-129. Zeydanlı, U., Özüt, D. (editors) 2019. Integrating Biodiversity into Forestry – Planner's Guide. Nature Conservation Center, Ankara. 173 pages. ISBN: 978-605-82749-4-5. in english and turkish both.
- **Tüfekcioğlu, İ.** 2011. Workers of deep waters. GEO Magazine Türkiye. Issue January 2011. in turkish.
- **Tüfekcioğlu, İ.** 2010. Vertical Gardens: Gardens deft the earth. GEO Magazine Türkiye. Issue December 2010. in turkish.

## COMPUTER AND LANGUAGE SKILLS

### Computer Skills:

- Microsoft Office & Adobe Programmes
- ArcGIS Geographical Information Systems
- R Statistical Computing

### Language Skills:

- Turkish : Mother tongue
- German : Good Level
- English : Good Level