

## Template for Evidence(s) UI GreenMetric Questionnaire

University : Gebze Technical University  
Country : Turkiye  
Web Address : www.gtu.edu.tr

### [6] Education and Research (ED)

#### [16] Number of sustainability-related startups

No.	Information
1	<p><b>Startup Code:</b> TTO-AR-GE 24-019  <b>Startup category in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED):</b> WS  <b>Income:</b> 1051,96 (\$ USD)  <b>Description:</b> Processing agricultural wastes with biotechnological processes and developing biodegradable/biofunctional biomaterials.</p>
2	<p><b>Startup Code:</b> TTO-AR-GE 24-043  <b>Startup category in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED):</b> EC  <b>Income:</b> 41236,93 (\$ USD)  <b>Description:</b> Optimization of the production of microalgae with high added value and carbon capture potential in a designated photobioreactor system and the use of microalgal biomass in agricultural applications.</p>
3	<p><b>Startup Code:</b> TTO-AR-GE 24-053  <b>Startup category in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED):</b> WR  <b>Income:</b> 6311,77 (\$ USD)  <b>Description:</b> Development of Water and Oil Resistant Materials with C6/C8 Fluoride Content.</p>
4	<p><b>Startup Code:</b> TTO-AR-GE 24-079  <b>Startup category in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED):</b> WS  <b>Income:</b> 25247,10 (\$ USD)  <b>Description:</b> Development of Innovative Water Recovery Processes for on-site disposal of hazardous industrial wastewater resulting from Titanium-Based Precision Casting Process and Ceramic Coating Process.</p>
5	<p><b>Startup Code:</b> TTO-AR-GE 24-093  <b>Startup category in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED):</b> EC  <b>Income:</b> 15148,26 (\$ USD)  <b>Description:</b> Development Of Cathode For Sodium Ion Batteries</p>
6	<p><b>Startup Code:</b> TTO-AR-GE 23-043  <b>Startup category in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED):</b> WR  <b>Income:</b> 8415,70 (\$ USD)  <b>Description:</b> Recovery of Salt Used in the Chemical Tempering Process and Post-Process Washing Water.</p>
7	<p><b>Startup Code:</b> TTO-AR-GE 23-046  <b>Startup category in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED):</b> SI  <b>Income:</b> 35383,39 (\$ USD)  <b>Description:</b> Technical Consultant on Soil Pollution (SPC)</p>
8	<p><b>Startup Code:</b> TTO-AR-GE 23-083  <b>Startup category in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED):</b> EC  <b>Income:</b> 15774,18 (\$ USD)</p>

	<b>Description:</b> Research on New Plant Species to Adapt to Vahaa Smart Garden System and Development of LED Light Spectrum.
9	<b>Startup Code:</b> TTO-AR-GE 23-094 <b>Startup category in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED):</b> WS <b>Income:</b> 42078,51 (\$ USD) <b>Description:</b> Innovative (sustainable) bioproduction model: production of bioactive components and determination of their biological activities.
10	<b>Startup Code:</b> TTO-AR-GE 23-112 <b>Startup category in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED):</b> SI <b>Income:</b> 22617,19 (\$ USD) <b>Description:</b> Preparation of National Agricultural Drought Risk Map and Web-Based Monitoring of Agricultural Drought.
11	<b>Startup Code:</b> TTO-AR-GE 23-127 <b>Startup category in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED):</b> EC <b>Income:</b> 1262,35 (\$ USD) <b>Description:</b> Design and development of a lithium-ion battery pack with hybrid. Smart, Modular, and Adaptive Battery Thermal Management System.
12	<b>Startup Code:</b> TTO-AR-GE 23-154 <b>Startup category in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED):</b> WS <b>Income:</b> 2146 (\$ USD) <b>Description:</b> ESAN JSC Determination of Acid Rock Drainage Potential of Canakkale SerCeler Mine Tailings Waste with Sulfide/Sulfur Analysis and Static Test Procedures.
13	<b>Startup Code:</b> TTO-AR-GE 23-172 <b>Startup category in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED):</b> ED <b>Income:</b> 9257,27 (\$ USD) <b>Description:</b> Green Industry Project Consultancy.

**Description:** There are a total of 13 startups related to sustainability. All available data regarding these startups have been processed. The exchange rate is calculated by taking the annual buying-selling average exchange rate of the Central Bank of the Republic of Turkey for 2023. This data regarding the exchange rate is given below.

**The dollar exchange rate in 2023 = 23.7651 TL**