**JOB DESCRIPTION**

**Vacancy Ref: TUdi Tech**

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| **Job Title:** Technician | **Present Grade:** 6 point 24 |
| **Department/College:** Lancaster Environment Centre | |
| **Directly responsible to:** Profs. Nick Ostle, John Quinton & Ian Dodd | |
| **Supervisory responsibility for:** N/A | |
| **Other contacts** | |
| **Internal: TUdi Research Associate**  Research staff and undergraduate / postgraduate students within the Plant & Soil Ecology, Soil & Water Sciences and Plant Water Stress Research groups  **External:** Collaborating institutions within the EU TUdi project | |
| **To provide technical support to the TUdi project :**   1. Management and processing of soil samples in the laboratory including drying, grinding, sieving, filtering and chemical (EC, pH, SOM, TOC, CEC, total carbon and nitrogen, total/available phosphorus, exchangeable magnesium (Mg), potassium (K) and calcium (Ca)) and physical (textural, water content) analysis 2. Root sample measurements including separation from the soil, scanning and analysis with the image processing software winRHIZO, dry matter and rhizosheath analysis 3. Measurement of biological activity in soil samples (e.g. micro-respiration, enzyme activity) 4. Field sampling of soils 5. Cataloguing of samples and appropriate labeling and record keeping. 6. Collating data in spreadsheets 7. Help to ensure compliance and adherence with all safety and risk assessments procedures   In most cases the work will be carried out as part of a team and will be supervised by the project research associate | |
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