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B.Env Sc

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Summary

This research masters proposes to measure soil erosion at the plot scale using a rainfall simulator to derive interrill erosion, rill erosion and effective hydraulic conductivity to parameterise the Water Erosion Prediction Project (WEPP) model. The WEPP model, populated with climate, soil and management parameters, allows for long-term prediction of annual soil loss data, to inform the Revised Universal Soil Loss Equation (RUSLE) to then derive K, the soil erodibility factor.

Research Expertise

- Soil
- Hydrology
- Water quality
- WEPP modelling