Jambay

BSc Life Science, MSc Forestry, Postgraduate Diploma in Higher Education

jambay.jambay@griffithuni.edu.au

orcid.org/0000-0002-8472-4553

https://www.researchgate.net/profile/Jambay-Jambay

https://scholar.google.com/citations?user=lVvBt9kAAAAJ&hl=en

Summary

In certain regions of the world, water sources, especially those used for drinking, completely drying up. This has resulted in a multitude of problems for both local communities and wildlife. To address this pressing issue, we must address the underlying factors responsible for the drying up of these water sources. This requires a comprehensive understanding of the factors contributing to a decline in natural groundwater discharge (spring), along with predictions regarding the potential outcomes of different intervention options, such as planting trees in the catchment and adapting to changing climate scenarios.

My Ph.D. research is largely focused on identifying the factors responsible for the drying up of water sources and developing predictions regarding potential outcomes under different scenarios. Additionally, I am exploring methods to revive the drying water sources with a focus on Bhutan, leveraging my expertise in the hydrogeological mapping of recharging areas of dry springs and increasing recharge throughout the region. Advanced spatial and statistical analysis will be employed in conjunction with climate change modelling to safeguard water sources around the world.

Research Expertise

- Field identification of algae and identification using dichotomous keys
- Watershed and Springshed Planning
- Ecohydrology and Hydrogeological Mapping
- Ecological and Biodiversity Assessment
- Forest and Wildlife Management
- Spatial and Statistical Analysis
- Climate Change Modelling