**List of MSc degrees and PhD dissertations**

|  |  |
| --- | --- |
| 1 | WREM-MSc **Open Water ET Lake Tana; Ethiopia** |
| 2 | WREM-MSc **Rainfall Rates MSG; Western Europe** |
| 3 | WREM-MSc **TRMM Diurnal Rainfall variability Upper Blue Nile; Ethiopia** |
| 4 | WREM-MSc **Satellite Based Large Scale Rainfall-Runoff modelling Cuvelai; Namibia** |
| 5 | WREM-MSc **Remote Sensing based Hydrologic Modelling; Ecuador** |
| 6 | WREM-MSc **Rain Rate Estimation of NW Europe and Kenya from SEVIRI Sensor Retrievals: Comparison of Precipitation Properties Visible and Near Infrared and Hydro-Estimator Algorithms** |
| 7 | WREM-MSc **Satellite based Evapotranspiration Estimation and Runoff Simulation: a TOPMODEL application to the Gilgel Abay Catchment, Ethiopia** |
| 8 | WREM-MSc **Remote Sensing Evapotranspiration using GEONETCast and in-situ Data Streams for Drought Monitoring and Early Warning: Case study for the Amhara Region in Ethiopia** |
| 9 | WREM-MSc **Remote Sensing Based Hydrological Modelling for Flood Early Warning; Ethiopia** |
| 10 | WREM-MSc **Assessment of Drought Early Warning in Ethiopia. A Comparison of WRSI by Surface Energy Balance and SW balance, Ethiopia** |
| 11 | WREM-MSc **Remote Sensing and Regionalization for Integrated water Resources Modelling in Upper and Middle Awash River Basin, Ethiopia** |
| 12 | WREM-MSc **Assessing the Potential of GEONETCast Earth Observation and In-situ data for Drought Early Warning and Monitoring in Tigray, Ethiopia.** |
| 13 | WREM-MSc **Drought Trend Assessment using Multi-Temporal Satellite Products; Ethiopia** |
| 14 | WREM-MSc **Assessment of Meteorological Remote Sensing Products for Stream flow Modelling; Rwanda** |
| 15 | PhD thesis - **Rainfall Variability and Estimation for Hydrological Modelling; A remote Sensing Based Approach** |
| 16 | PhD thesis **- Irrigation Assessment via Remote Sensing and Land Surface Model Data** |
| 17 | PhD thesis - **Integrating Water Resource Modelling and Remote Sensing in Karkheh River Basin, Iran** |

REMOTE SENSING BASED HYDROLOGIC MODELING

IN THE BABAHOYO RIVER SUB-BASIN

FOR WATER BALANCE ASSESSMENT

Scientific articles

|  |  |  |
| --- | --- | --- |
| 24 | 1 | Bias Correction of Satellite-Rainfall Estimates on Runoff Simulations, Ethiopia |
| 25 | 2 | Evaluation of CMORPH and TMPA Satellite Rainfall Products over the Nile Basin |
| 26 | 3 | Multispectral remote sensing for rainfall detection and estimation at the source of the Blue Nile River |
| 27 | 4 | Inter-comparison of satellite rainfall products for representing rainfall diurnal cycle over the Nile basin |
| 28 | 5 | Utilizing satellite precipitation estimates for streamflow forecasting via adjustment of mean field bias in precipitation data and assimilation of streamflow observations |
| 29 | 6 | Diurnal rainfall variability over the Upper Blue Nile Basin: A remote sensing based approach |