



Preface: Understanding spatio-temporal variability of water resources and the implications for IWRM in semi-arid eastern and southern Africa

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This volume contains 14 peer-reviewed papers that focus on integrated water resources management in the southern Africa region and are a culmination of extensive research in five broad themes, namely, (1) hydrological modelling (2) groundwater hydrology (3) application of earth observations in water resources assessments (4) water allocation and use and (5) water quality management. Southern Africa offers wide research opportunities to solve challenges related to the assessment of surface and groundwater resources, water supply and sanitation, water pollution and allocation. However, data scarcity and difficulty in accessing research sites discourage many research efforts. The papers in this Volume are research outputs from mainly postgraduate studies conducted at universities in southern Africa with the sole aim of contributing to knowledge in water sciences that will facilitate informed decision-making and policy formulation by water managers and practitioners in the region.

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