
CONTENTS

Special Issue:
Updating Badlands Research

Edited by:
Estela Nadal-Romero, Dino Torri, Aaron Yair and Ad de Roo

Updating the badlands experience E. Nadal-Romero, D. Torri and A. Yair	1
Thirty years of studies on badlands, from physical to vegetational approaches. A succinct review F. Gallart, M. Marignani, N. Pérez-Gallego, E. Santi and S. Maccherini	4
The resilience of a badland area to climate change in an arid environment A. Yair, R.B. Bryan, H. Lavee, W. Schwanghart and N.J. Kuhn	12
The recurring cycles of <i>biancana</i> badlands: Erosion, vegetation and human impact D. Torri, E. Santi, M. Marignani, M. Rossi, L. Borselli and S. Maccherini	22
Badlands denudation "hot spots": The role of parent material properties on geomorphic processes in 20-years monitored sites of Southern Tuscany (Italy) F. Vergari, M. Della Seta, M. Del Monte and M. Barbieri	31
Badlands in marl lithologies: A field guide to soil dispersion, subsurface erosion and piping-origin gullies H. Faulkner	42
Clay mineralogy as a crucial factor in badland hillslope processes M. Kasanin-Grubin	54
High rates of erosion and rapid weathering in a Plio-Pleistocene mudstone badland, Taiwan K. Higuchi, M. Chigira and D.-H. Lee	68
Role of erosion processes on the morphogenesis of a semiarid badland area. Bardenas Reales (NE Spain) G. Desir and C. Marín	83
Uncertainty in the evaluation of sediment yield from badland areas: Suspended sediment transport estimated in the Araguás catchment (central Spanish Pyrenees) D. Regúes and E. Nadal-Romero	93
Soil erosion and hydrology of the western Mediterranean badlands throughout rainfall simulation experiments: A review J.F. Martínez-Murillo, E. Nadal-Romero, D. Regúes, A. Cerdà and J. Poesen	101
Dendrogeomorphology in badlands: Methods, case studies and prospects J.A. Ballesteros-Cánovas, J.M. Bodoque, A. Lucía, J.F. Martín-Duque, A. Díez-Herrero, V. Ruiz-Villanueva, J.M. Rubiales and M. Genova ...	113