



Volume 20, February 2013

ISSN 0303-2434

International Journal of

APPLIED EARTH OBSERVATION AND GEOINFORMATION



Editor-in-Chief
F. D. van der Meer, The Netherlands

Special Issue:
Earth Observation and
Geoinformation for Environmental
Monitoring

Guest Editor:
Rosa Lasaponara

CONTENTS

Geospatial analysis from space: Advanced approaches for data processing, information extraction and interpretation R. Lasaponara (Tito, Italy)	1
Spatio-temporal variability in remotely sensed land surface temperature, and its relationship with physiographic variables in the Russian Altay Mountains R. Van De Kerchove (Ghent, Belgium), S. Lhermitte (De Bilt, The Netherlands and La Serena, Chile), S. Veraverbeke (Ghent, Belgium and Pasadena, CA, USA) and R. Goossens (Ghent, Belgium)	4
Studying interactions between climate variability and vegetation dynamic using a phenology based approach S. Horion (Ispra, Italy and Belgium), Y. Cornet, M. Erpicum and B. Tychon (Belgium)	20
Assessment of the abnormal growth of floating macrophytes in Winam Gulf (Kenya) by using MODIS imagery time series L. Fusilli (Rome, Italy), M.O. Collins (Kenya), G. Laneve (Rome, Italy), A. Palombo, S. Pignatti and F. Santini (Potenza, Italy)	33
Multiscale mapping of burn area and severity using multisensor satellite data and spatial autocorrelation analysis A. Lanorte, M. Danese, R. Lasaponara and B. Murgante (Potenza, Italy)	42
Towards a pan-European burnt scar mapping methodology based on single date medium resolution optical remote sensing data F. Sedano, P. Kempeneers, J.S. Miguel, P. Strobl and P. Vogt (Ispra, Italy)	52
Mapping post-fire forest regeneration and vegetation recovery using a combination of very high spatial resolution and hyperspectral satellite imagery G.H. Mitrí (Lebanon and Tripoli, Lebanon) and I.Z. Gitas (Thessaloniki, Greece)	60
Analysis of position time series of GPS-DORIS co-located stations S. Khelifa, S. Kahlouche (Arzew, Algeria) and M.F. Belbachir (Oran, Algeria)	67
Supervised change detection in VHR images using contextual information and support vector machines M. Volpi, D. Tuia (Switzerland), F. Bovolo (Italy), M. Kanevski (Switzerland) and L. Bruzzone (Italy)	77

Available online at www.sciencedirect.com

SciVerse ScienceDirect

Important Note to Authors

Please note change in address for the Editorial Office: Editorial Office, International Journal of Applied Earth Observation and Geoinformation, P.O. Box 6, 7500 AA Enschede, The Netherlands

