



Afr. J. Agric. Res.

[Vol. 2 No.2](#)

Viewing options:

- Abstract
- **Full text**
- [Reprint \(PDF\)](#) (88K)

Search Pubmed for articles by:

[Telesca L](#)
[Lasaponara R](#)

Other links:

[PubMed Citation](#)

[Related articles in PubMed](#)

African Journal of Agricultural Research Vol. 2(2), pp. 036-040, February, 2007
Available online at <http://www.academicjournals.org/AJAR>
ISSN 1991- 637X© 2007 Academic Journals

Full Length Research Paper

Long-range persistent correlations in decade-long SPOT-VGT NDVI records of fire affected and fire un-affected sites

Luciano Telesca* and Rosa Lasaponara

Istituto di Metodologie per l'Analisi Ambientale, Consiglio Nazionale delle Ricerche, Tito, Italy.

*Corresponding author's. E-mail: ltelesca@imaa.cnr.it.

Accepted 21 November, 2006

Abstract

We investigated the fire-induced variability in the 1998-2003 time series of Normalized Difference Vegetation Index (NDVI) from SPOT-VEGETATION sensor for two different kinds of vegetation sites: fire un-affected and fire-affected. The statistical analysis, performed by using the detrended fluctuation analysis (DFA), showed that fires contribute in increasing the persistence of time dynamics of vegetation, driving unstable patterns in vegetation dynamics of burned areas.

Key words: Fires, NDVI, detrended fluctuation analysis

Powered by

Search

jn WWW jn AJAR

