

## GIS RS

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(GIS)

(NDVI)

MODIS

GIS

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کلید واژه

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.(Wooster, 1998)

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.(Giglio, 2005)

.(Ardakani, et al., 2009)

(FAO)

MODIS  
Terra Aqua  
<sup>3</sup>NDVI  
/ ARCGIS / ENVI  
GIS  
(NDVI)  
( )  
(Giglio, et al., 2003)  
NDVI  
<sup>4</sup>MVC  
<sup>2</sup>MODIS  
Terra  
NDVI  
NDVI  
Aqua MODIS  
(kaufman, et al., 2003)  
MODIS  
( )  
( kaufman, et al.,1998)  
( )  
GIS

$$SAC \approx \frac{\sum_{i=1}^n \sum_{j=1}^n C_{ij} W_{ij}}{\sum_{i=1}^n \sum_{j=1}^n W_{ij}} \quad (1)$$

$$C_{ij} = (x_i - x_j)^2 \quad (2)$$

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$$C = \frac{\sum_{i=1}^n \sum_{j=1}^n C_{ij} W_{ij}}{2 \sum_{i=1}^n \sum_{j=1}^n W_{ij} \delta^2} = \frac{\sum_{i=1}^n \sum_{j=1}^n W_{ij} (x_i - x_j)^2}{2 \sum_{i=1}^n \sum_{j=1}^n W_{ij} \delta^2} \quad (3)$$

$$\delta^2 = \frac{\sum_{i=1}^n (x_i - \bar{x})^2}{(n-1)} \quad (4)$$

$$C_{ij} = (x_i - \bar{x})(x_j - \bar{x}) \quad (5)$$

$$I = \frac{\sum_{i=1}^n \sum_{j=1}^n C_{ij} W_{ij}}{\sum_{i=1}^n \sum_{j=1}^n W_{ij}} = \frac{\sum_{i=1}^n \sum_{j=1}^n W_{ij} (x_i - \bar{x})(x_j - \bar{x})^2}{S^2 \sum_{i=1}^n \sum_{j=1}^n W_{ij}} \quad (6)$$

$$S^2 = \frac{\sum_{i=1}^n (x_i - \bar{x})^2}{n} \quad (7)$$

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$\dots$   $j$   $i$   $W_{ij}$

$(\dots)$

(Tobler, 1970)

MODIS

$(\dots)$

$d_{ij}$   $1/d_{ij}$   $W_{ij}$

(Lee, et al., 2000)  $j$   $i$

(NDVI)

GIS

NDVI

$(\dots)$

$(\dots)$

:( Mather, 1999)

(NDVI)

(NDVI)  $NDVI = NIR - IR / NIR + IR$   $(\dots)$

NDVI

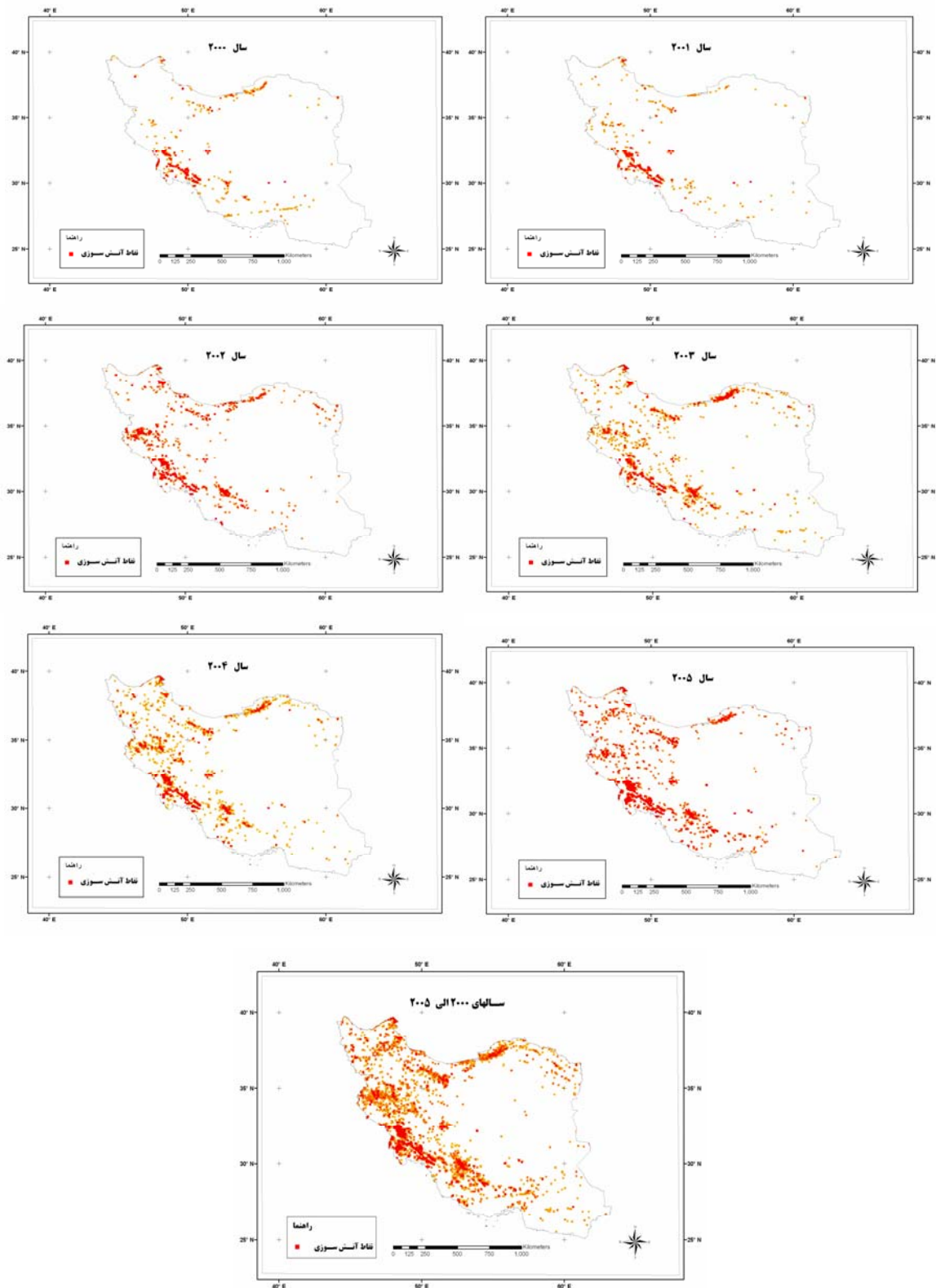
NDVI

NDVI

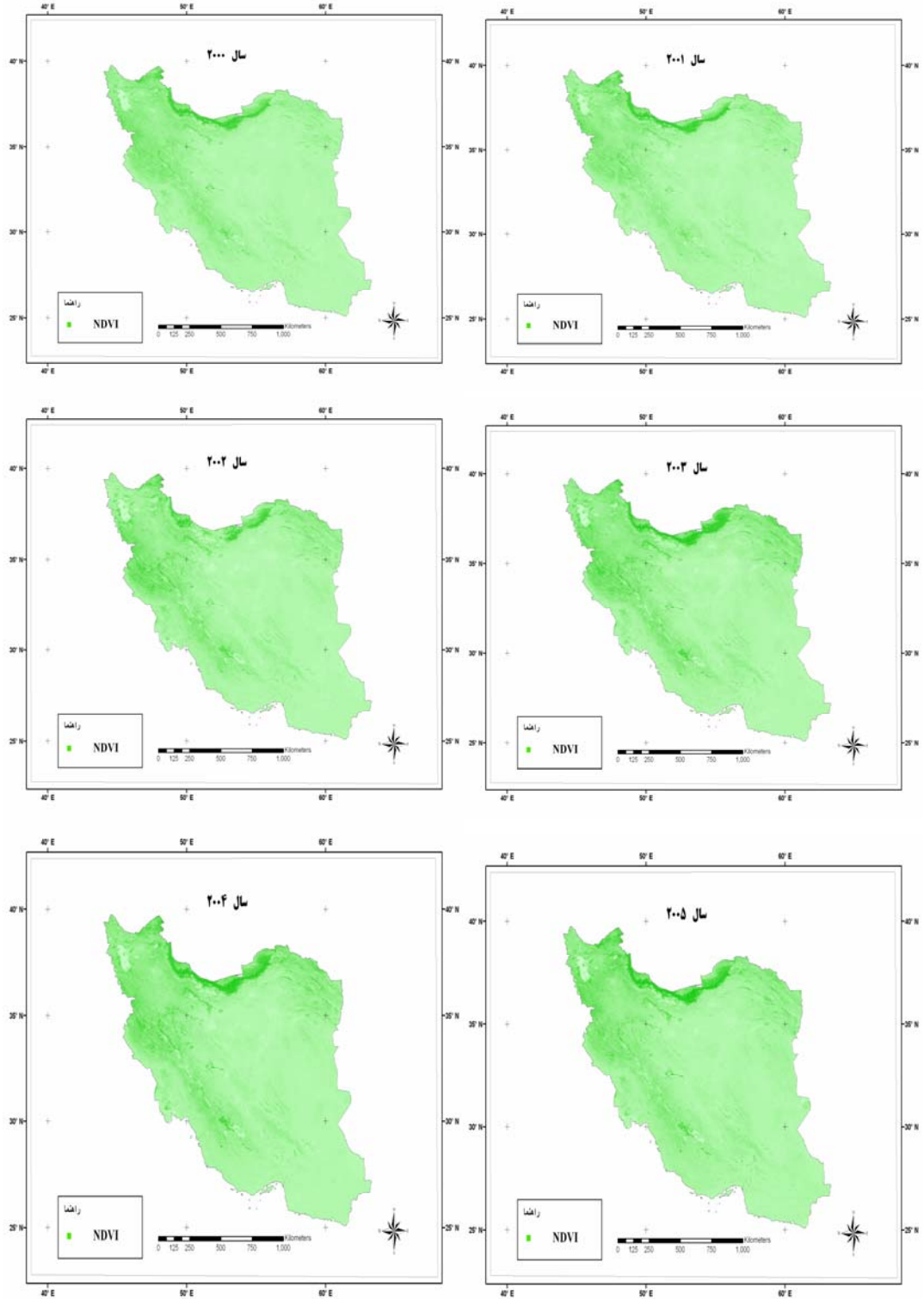
(Jensen, 2005)

$(\dots)$

GIS RS

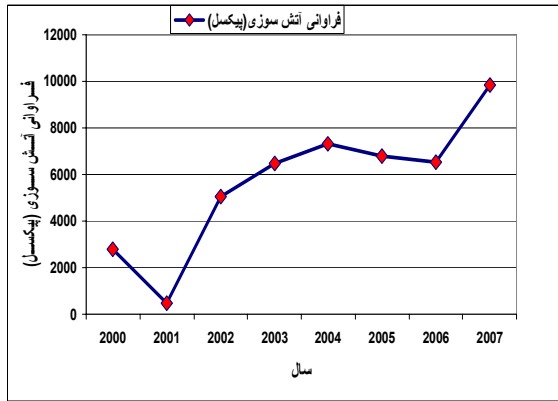


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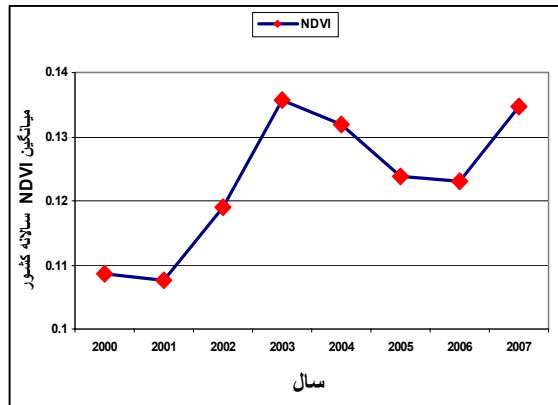


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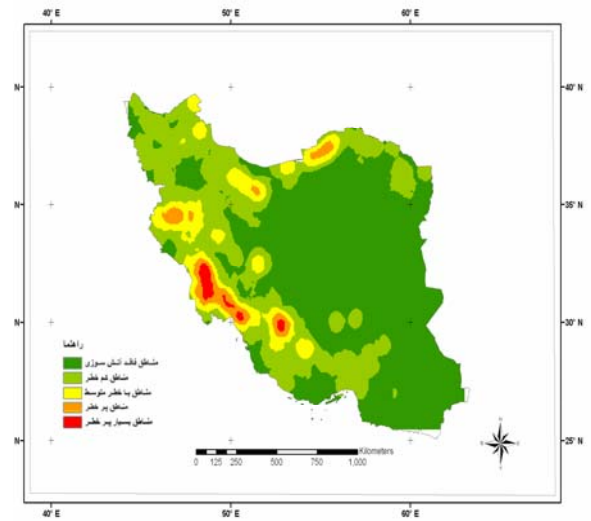
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NDVI

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- 1- Geographic Information System(GIS)
- 2- Moderate Resolution imaging pectoradiometer
- 3- Normalized Difference Vegetation Index
- 4-Maximum Value Composition

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GIS RS

NOAA

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