

INFORMACIÓN SUPLEMENTARIA

Artículo: Caracterización espectral de los bosques de manglares en Cuba a través de sensores remotos: un enfoque metodológico/Remote sensing assessment of spectral characteristics of mangrove forests in Cuba: a methodological approach

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Anexo 1. Nombre, siglas, fórmulas y fuentes de los índices de vegetación empleados en este trabajo para la caracterización espectral de los manglares de Cuba.

Appendix 1. Names, abbreviation, formula and bibliographic source of vegetation indexes used in this research for spectral characterization of Cuban mangrove.

Nombre en español / (Nombre en inglés)		
Sigla	Fórmula	Referencia
Índice de Diferencia Normalizada de Vegetación / (<i>Normalized Difference Vegetation Index</i>)		
NDVI	$NDVI = \frac{(NIR - Red)}{(NIR + Red)}$	Rouse <i>et al.</i> (1974)
Índice de Vegetación Resistente a la Atmósfera / (<i>Atmospheric Resistant Vegetation Index</i>)		
ARVI	$ARVI = \frac{NIR - [Red - \gamma(Blue - Red)]}{NIR + [Red - \gamma(Blue - Red)]}$	Kaufman y Tanre (1992)
Índice de Diferencia de Vegetación / (<i>Vegetation Difference Index</i>)		
DVI	$DVI = NIR - Red$	Tucker (1979)
Índice de Vegetación Mejorado / (<i>Enhanced Vegetation Index</i>)		
EVI	$EVI = 2.5 * \frac{(NIR - Red)}{(NIR + 6 * Red - 7.5 * Blue + 1)}$	Huete <i>et al.</i> (2002)
Índice de Diferencia Normalizada de Vegetación Verde / (<i>Green Normalized Difference Vegetation Index</i>)		
GNDVI	$GNDVI = \frac{(NIR - Green)}{(NIR + Green)}$	Gitelson y Merzlyak (1996)
Índice de Vegetación Verde / (<i>Green Vegetation Index</i>)		
GVI	$GVI = (-0.2848 * TM_1) + (-0.2435 * TM_2) + (-0.5436 * TM_3) + (0.7243 * TM_4) + (0.084 * TM_5) + (-0.18 * TM_7)$	Kauth y Thomas (1976)
Índice de Área Foliar / (<i>Leaf Area Index</i>)		
LAI	$LAI = (3.618 * EVI - 0.118)$	Boegh <i>et al.</i> (2002)
Índice de Vegetación Ajustada al Suelo / (<i>Soil-Adjusted Vegetation Index</i>)		
SAVI	$SAVI = \frac{(\rho NIR - \rho Red)}{(\rho NIR - \rho Red + L)} * (1 + L)$	Huete (1988)
Índice de Diferencia Renormalizada de Vegetación / (<i>Re-Normalized Vegetation Index</i>)		
RDVI	$RDVI = \frac{(NIR - Red)}{\sqrt{(NIR + Red)}}$	Roujean y Breon (1995)
Índice de Diferencia Transformada de Vegetación / (<i>Transformed Difference Vegetation Index</i>)		
TDVI	$TDVI = \sqrt{0.5 + \frac{(NIR - Red)}{(NIR + Red)}}$	Bannari <i>et al.</i> (2002)
Índice Visible de Resistencia a la Atmósfera / (<i>Visible Atmospheric Resistant Index</i>)		
VARI	$VARI = \frac{Green - Red}{Green + Red - Blue}$	Gitelson <i>et al.</i> (2002)

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