**Vegetation Index List**

Add yours

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| **Name** | **Formula** | **Reference** |
| Blue Index |  | (Calderón et al. 2013) |
| Blue Product 1 |  | (Zarco-Tejada et al. 2018) |
| Blue Product 2 |  | (Zarco-Tejada et al. 2018) |
| Blue/Green Indices |  | (Zarco-Tejada et al. 2005) |
| Blue/Red Index 1 |  | (Zarco-Tejada et al. 2005) |
| Blue/Red Index 2 |  | (Zarco-Tejada et al. 2012) |
| Blue/Red Indices |  | (Zarco-Tejada et al. 2012) |
| Carotenoid Reflectance Indices |  | (Gitelson et al. 2006) |
| Carotenoid Reflectance Indices |  | (Anatoly A Gitelson et al. 2002) |
| Carotenoid Reflectance Indices |  | (Anatoly A Gitelson et al. 2002) |
| Carotenoid/Cholophyll Ratio Index |  | (Garrity et al. 2011) |
| Carter Index |  | (Carter 1995) |
| Carter Indices |  | (Peñuelas et al. 1994) |
| Chlorophyll Index Red Edge |  | (Haboudane et al. 2002) |
| Datt |  | (Datt 1998) |
| Enhanced Vegetation Index |  | (Liu & Huete 1995) |
| Gitelson and Merzlyak Indices |  | (Gitelson & Merzlyak 1996) |
| Gitelson and Merzlyak Indices |  | (Gitelson & Merzlyak 1996) |
| Green NDVI |  | (Gitelson & Merzlyak 1996) |
| Green vegetation index |  | (Anatoly A. Gitelson et al. 2002) |
| Greenness index |  | (Zarco-Tejada et al. 2005) |
| Greenness Index |  | (Calderón et al. 2013) |
| Healthy-Index |  | (Mahlein et al. 2013) |
| Hyperspectral NDVI |  | (Oppelt & Mauser 2004) |
| Hyperspectral Vegetation Index |  | (Gitelson et al. 1996) |
| Lichtenthaler Index |  | (Lichtenthaler et al. 1996) |
| Lichtenthaler Index |  | (Lichtenthaler et al. 1996) |
| Lichtenthaler Index |  | (Lichtenthaler et al. 1996) |
| Modified chlorophyll absorption Ratio Index |  | (Daughtry 2000)  ?? where does this one come from?? |
| Original MCARI is apparently 🡪 |  | (Daughtry 2000) |
| Modified Chlorophyll Absorption Ratio Indices |  | (Haboudane et al. 2004) |
| Modified Chlorophyll Absorption Ratio Indices |  | (Haboudane et al. 2004) |
| Modified Simple Ratio |  | (Chen 1996) |
| Modified Soil-Adjusted Vegetation Index |  | (Qi et al. 1994) |
| Modified Triangular Vegetation Indices |  | (Haboudane et al. 2004) |
| Modified Triangular Vegetation Indices |  | (Haboudane et al. 2004) |
| NIR/Green Index |  | (Castro et al. 2015) |
| Normalized Difference Vegetation Index |  | (Rouse Jr 1973) |
| Normalized Phaeophytinization Index |  | (Barnes et al. 1992) |
| Normalized Pigments Index |  | (Peñuelas et al. 1993) |
| Normalized PRI |  |  |
| Optimized Soil-Adjusted Vegetation Index |  | (Rondeaux et al. 1996) |
| Photochemical Reflectance Index |  | (Gamon et al. 1992) |
| Photochemical Reflectance Index (515) |  | (Hernández-Clemente et al. 2011) |
| Photochemical Reflectance Index (570) |  | (Gamon et al. 1992) |
| Pigment Specific Normalized Difference |  | (Blackburn 1998) |
| Pigment Specific Simple Ratio Chlorophyll a |  | (Blackburn 1998) |
| Pigment Specific Simple Ratio Chlorophyll b |  | (Blackburn 1998) |
| Pigment Specific Simple Ration Carotenoids |  | (Blackburn 1998) |
| Plant Senescencing Reflectance Index |  | (Merzlyak et al. 1999) |
| PRI(670&570) |  |  |
| R/G |  | (Castro et al. 2015) |
| Ratio Analysis of Reflectance Spectra |  | (Chappelle et al. 1992) |
| Red/Green Index |  | (Zarco-Tejada et al. 2005) |
| Red-Edge Vegetation Stress Index |  | (Merton & Huntington 1999) |
| Redness Index |  | (Gitelson et al. 2000) |
| Reflectance Band Ratio Index |  | (Datt 1998) |
| Renormalized Difference Vegetation Index |  | (Roujean & Breon 1995) |
| SIF |  | (Zarco-Tejada, Miller, Mohammed & Noland 2000) |
| SIF |  | (Zarco-Tejada, Miller, Mohammed, Noland, et al. 2000) |
| Simple Ratio |  | (Jordan 1969) |
| Simple Ratio Pigment Index |  | (Penuelas et al. 1995) |
| Structure Insensitive Pigment Index |  | (Penuelas et al. 1995) |
| Transformed chlorophyll Absorption in Reflectance Index |  | (Haboudane et al. 2002) |
| Triangular Vegetation Index |  | (Broge & Leblanc 2001) |
| Vogelmann Indices |  | (Vogelmann et al. 1993) |
| Vogelmann Indices |  | (Vogelmann et al. 1993) |
| Vogelmann Indices |  | (Vogelmann et al. 1993) |
| Water Index |  |  |
|  |  |  |
| Red edge 1 |  | (Cloutis et al. 1996) |
| Red edge 2 |  | (Cloutis et al. 1996) |
| Moment distance index | MDI 🡪 a general approach | Salas et al. |
| Prospect inversion | Leaf rtm | Shiklemanon et al 2016 RSE  Feret et al 2008, 2011 RSE |
| Chlorophyll green index |  | Gitelson AA, Keydan GP, Merzlyak MN. Three-band model for noninvasive estimation of chlorophyll, carotenoids, and anthocyanin contents in higher plant leaves. Geophys Res Lett. 2006;33:L11402. |
| Chlorophyll red edge index |  | “ “^ |
| Modified normalized difference index |  | Sims DA, Gamon JA. Relationships between leaf pigment content and spectral reflectance across a wide range of species, leaf structures and developmental stages. Remote Sens Environ. 2002;81:337–54 |
| Modified simple ratio 2 |  | “ “^ |
| Atmospherically resistant vegetation index |  | Kaufman & Tanre, 1992  When atmospheric correction has been performed, a value of 1 for gamma is commonly used |
| SAVI |  | L=0.5 (lim(-0.9 1.6))  (Huete 1988) |
| Normalized difference lignin index | * something for a general approach? | Included in the data driven approach |
|  |  |  |
| moisture stress index |  | (Hunt & Rock 1989) |
| normalized difference infrared index |  | (Serrano et al. 2000) |
| Normalized difference water index |  | (Serrano et al. 2000) |
| normalized multi-band drought index |  | (Wang & Qu 2007) |
| Anthocyanin reflectance index |  | (Gitelson 2001) |
| Browning reflectance index |  | NIR=780:1400  (Merzlyak et al. 2003) |
| Red-Edge Stress Vegetation Index |  |  |
| Red-Edge Inflection Point 1 |  | (Vogelman et al. 1993)  Or form Guyot and Baret 1988? |
| Red-Edge Inflection Point 2 |  | (Vogelman et al. 1993) |
| Red-Edge Inflection Point 3 |  | (Vogelman et al. 1993) |
| Nitrogen reflectance index |  | (Filella et al. 1995) |
| Physiological reflectance index |  | (Gamon et al. 1992) |
| Normalized pigment chlorophyll ratio index |  | (Peñuelas et al. 1994) |
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| <https://cubert-gmbh.com/applications/vegetation-indices/> |  |  |
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