

Correction

Correction: Erfanifard et al. Assessment of Iran’s Mangrove Forest Dynamics (1990–2020) Using Landsat Time Series. *Remote Sens.* 2022, 14, 4912

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Error in Table

In the original article [1], there was a mistake in Table 1 as published. The equation related to MVI is not written correctly. The corrected Table 1 appears below.

Table 1. The commonly used vegetation indices (VIs) and mangrove-specific indices (MSIs) developed for mangrove mapping. All of the indices have been used on Landsat images.

	Vegetation Indices	Formula	Reference
VIs	NDVI (Normalized Difference Vegetation Index)	$(\text{NIR} - \text{Red}) / (\text{NIR} + \text{Red})$	[30]
	SAVI (Soil Adjusted Vegetation Index)	$\frac{(\text{NIR} - \text{Red})(1 + L)}{\text{NIR} + \text{Red} + L}$	[33]
	NDWI (Normalized Difference Water Index)	$(\text{Green} - \text{NIR}) / (\text{Green} + \text{NIR})$	[36]
	EVI (Enhanced Vegetation Index)	$2.5 \times \left(\frac{\text{NIR} - \text{Red}}{\text{NIR} + 6 \times \text{Red} - 7.5 \times \text{Blue} + 1} \right)$	[39]
	MSIs	MI (Mangrove Index)	$(\text{NIR} - \text{SWIR1}) / \text{NIR} \times \text{SWIR1} \times 10,000$
NDMI (Normalized Difference Mangrove Index)		$\text{SWIR2} - \text{Green} / \text{SWIR2} + \text{Green}$	[28]
CMRI (Combined Mangrove Recognition Index)		$\text{NDVI} - \text{NDWI}$	[25]
SMRI (Submerged Mangrove Recognition Index)		$(\text{NDVI}_L - \text{NDVI}_H) \times \frac{\text{NIR}_L - \text{NIR}_H}{\text{NIR}_H}$	[41]
MDI (Mangrove Discrimination Index)		$(\text{NIR} - \text{SWIR}) / \text{SWIR}$	[43]
MMRI (Modular Mangrove Recognition Index)		$(\text{MNDWI} - \text{NDVI}) / (\text{MNDWI} + \text{NDVI})$	[45]
MVI (Mangrove Vegetation Index)		$\text{NIR} - \text{Green} / \text{SWIR1} - \text{Green}$	[22]
L8MI (Landsat 8 Mangrove Index)		$[\text{ASST} > \text{T}]$ and $[\text{SAVI} > \text{T}]$	[7]



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Text Correction

There was an error in the original article. The comparison is not correct now and may confuse readers. A correction has been made to “3.1. Comparison of VIs and MSIs, Paragraph 1”:

“The results of the accuracy assessment of the VIs and MSIs from the low-tide and multi-tidal Landsat images at three study sites (S2, S6, and S9) selected for the first phase are presented in Table 2. As the main aim of this study was mangrove mapping, the accuracy of mangrove delineation (i.e., statistics of accuracy, precision, recall, and f1-score) was reported in addition to OA and K. Mangrove detection in the selected study sites using 14 VIs and MSIs showed contrasting results. In S2, for instance, the accuracy and f1-score of mangrove mapping on the SAVI image (0.86 and 0.53, respectively) were less than the MVI results (0.95 and 0.86, respectively); however, the accuracy and f1-score of mangrove delineation on the SAVI image (0.93 and 0.91, respectively) were higher than the MVI results (0.90 and 0.87, respectively) in S6 (Table 2). Mangrove mapping on the NDVI images, as the commonly used index for mangrove mapping in the literature, showed lower accuracy and f1-scores compared to some VIs and MSIs in the selected study sites (e.g., 0.77 and 0.53 in S2). In general, the accuracy and f1-score of mangrove mapping were the highest on the SMRI images in S2, S6, and S9.”

The authors apologize for any inconvenience caused and state that the scientific conclusions are unaffected. The original article has been updated.

Reference

1. Erfanifard, Y.; Lotfi Nasirabad, M.; Stereńczak, K. Assessment of Iran's Mangrove Forest Dynamics (1990–2020) Using Landsat Time Series. *Remote Sens.* **2022**, *14*, 4912. [[CrossRef](#)]

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