

CORRECTION

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# Correction to: Some generalizations for $(\alpha - \psi, \phi)$ -contractions in $b$ -metric-like spaces and an application

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## 1 Correction

In the publication of this article [1], there is an error in Section 3.

The error:

**Corollary 3.22** *Let  $(X, \sigma_b)$  be a complete  $b$ -metric-like space with parameter  $s \geq 1$ , and let  $f, g$  be two self-maps of  $X$  with  $\psi \in \Psi$ ,  $\varphi \in \Phi$  satisfying the condition*

$$\psi(\alpha_{qs^p} \sigma_b(fx, fy)) \leq \lambda \psi(M(x, y))$$

*for all  $x, y \in X$ , where  $M(x, y)$  is defined as in (3.15) and  $q > 1$ . Then  $f$  and  $g$  have a unique common fixed point in  $X$ .*

Should instead read:

**Corollary 3.22** *Let  $(X, \sigma_b)$  be a complete  $b$ -metric-like space with parameter  $s \geq 1$ ,  $f : X \rightarrow X$  be a self-mapping, and  $\alpha : X \times X \rightarrow [0, \infty)$ . Suppose that the following conditions are satisfied:*

- (i)  $f$  is an  $\alpha_{qs^p}$ -admissible mapping;
- (ii) there exists a function  $\psi \in \Psi$  such that

$$\psi(\alpha_{qs^p} \sigma_b(fx, fy)) \leq \lambda \psi(M(x, y));$$

- (iii) there exists  $x_0 \in X$  such that  $\alpha(x_0, fx_0) \geq qs^p$ ;
- (iv) either  $f$  is continuous or property  $H_{qs^p}$  is satisfied.

*Then  $f$  has a fixed point  $x \in X$ . Moreover,  $f$  has a unique fixed point if property  $U_{qs^p}$  is satisfied.*

The error:

## Corollary 3.17

- (ii) there exist functions  $\psi, \varphi \in \Psi$  such that

$$\psi(\alpha(x, y) \sigma_b(fx, fy)) \leq \beta(N(x, y))N(x, y);$$

Should instead read:

**Corollary 3.17**

(ii) *there exists function  $\beta \in \mathbb{S}$  such that*

$$\alpha(x, y)\sigma_b(fx, fy) \leq \beta(N(x, y))N(x, y);$$

This has now been included in this erratum.

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**References**

1. Zoto, K, Rhoades, BE, Radenović, S: Some generalizations for  $(\alpha - \psi, \phi)$ -contractions in  $b$ -metric-like spaces and an application. *Fixed Point Theory Appl.* **2017**, 26 (2017). <https://doi.org/10.1186/s13663-017-0620-1>