## CORRECTION TO MY PAPER "CHARACTERIZATION OF THE IDENTITY FUNCTION WITH AN EQUATION FUNCTION"

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The above mentioned paper was published in the same journal **52** (2021) 195–216. The Conjecture 1 on page 196 is not correct. We would like to correct this as follows:

**Conjecture 1.** Assume that an arithmetical function  $f : \mathbb{N} \to \mathbb{C}$  and  $D \in \mathbb{N}$  satisfy the following equation

 $f(n^2+Dnm+m^2)=f^2(n)+Df(n)f(m)+f^2(m) \quad for \ every \quad n,m\in\mathbb{N}.$ 

Then one of the following assertions holds:

$$\begin{array}{ll} \circ & f(n)=0 \quad \textit{for every} \quad n \in \mathbb{N}, \\ \circ & f(n)=\frac{1}{D+2} \quad \textit{for every} \quad n \in \mathbb{N}, \\ \circ & f(n)=n \quad \textit{for every} \quad n \in \mathbb{N}. \end{array}$$

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