

**Erratum of article:**

El-Gioushy, Sherif Fathy Eid El-Sayed, Kareem, Abdul, & Baiea, Mohamed Hemdan Mohamed. (2019). Pre-isolation, isolation and regeneration protoplasts from leaf mesophyll of *in vivo* *Malus domestica* 'Anna' cv.. *Revista Brasileira de Fruticultura*, 41(4), e-561 <https://dx.doi.org/10.1590/0100-29452019561>

**In the page 1, Corresponding author:**

**where it reads:**

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**should read:**

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**In the page 1,**

**Author** Mohamed Hemdan Mohamed Baiea

**ORCID Author Is**

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**In the page 4,**

**where it reads:**

**Impact of protoplast:** Different protoplast densities (0.5, 1, 1.5, 2.0 and 2.5 10<sup>5</sup> /ml) were tried to affirm the reasonable protoplast density enhanced the best protoplast development.

**should read:**

**Impact of protoplast density:** Different protoplast densities (0.5, 1, 1.5, 2.0 and 2.5 10<sup>5</sup> /ml) were tried to affirm the reasonable protoplast density enhanced the best protoplast development.

**In the page 5,**

**where it reads:**

**Effect of protoplast source and enzyme mixture:** The protoplast yield was increased when mix between *in vitro* source and protein blend 244 EM1 (1.5% cellulase + 0.5% pectinase + 1.5% Macrozyme) treatment was used as compared 245 and the other combination treatment *in vivo* source and a similar enzyme (Table 1). Nonetheless, EM3 (1% cellulase + 1% pectinase 248 + 1% macerozyme) possessed the second rank in improving protoplast yield at the mean time pursued by EM2 (1% cellulase + 0.5% pectinase + 1% macerozyme) as appeared in (Table 1) EM6 (1% cellulase + 1% pectinase) was the slightest protoplast yield.

**should read:**

**Effect of enzyme mixture:**

The protoplast yield was increased when mix between *In vivo* source and enzyme mixture EM1 (1.5% cellulase + 0.5% pectinase + 1.5% Macrozyme) treatment was used as compared to the other combinations treatments (Table 1). Nonetheless, EM3 (1% cellulase + 1% pectinase 248 + 1% macerozyme) possessed the second rank in improving protoplast yield at the mean time pursued by EM2 (1% cellulase + 0.5% pectinase + 1% macerozyme) as appeared in (Table 1) EM6 (1% cellulase + 1% pectinase) was the slightest protoplast yield.