CORRIGENDUM

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To cite this article: Subhodeep Barman *et al* 2022 *Phys. Scr.* **97** 079502

Physica Scripta

RECEIVED
24 May 2022

ACCEPTED FOR PUBLICATION
8 June 2022

PUBLISHED
20 June 2022

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Corrigendum: Green synthesis of $Mn_xZn_{(1-x)}O$ nanostructure using *Azadirachta indica* leaf extract and its microstructural and optical study (2022 *Phys. Scr.* **97** 045002)

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1. On page 5, the formula '$\beta_s \approx \varepsilon/\tan\theta$' would be replaced by the formula '$\beta_s \approx \varepsilon\tan\theta$'. The slash symbol between the epsilon (ε) and tan θ would be removed.

2. Equation (3) should read as follows. In the published article, the lambda (λ) is missing in the right-handed first term. The equation would take the form as follows.

$$\beta_{hkl}\cos\theta = \left(\frac{k\lambda}{D}\right) + 4\varepsilon\sin\theta$$

3. Equation (4) should read as follows. In the published article, the lambda (λ) in the first part of the right-handed term and the sigma (σ) in the second part are missing.

$$\beta_{hkl}\cos\theta = \left(\frac{k\lambda}{D}\right) + \left(\frac{4\sigma\sin\theta}{Y_{hkl}}\right)$$

4. On page 6, in the last line 'Energy can be calculated using the relationship $U = \frac{1}{2}\varepsilon Y_{hkl}$, for any elastic system' would be replaced by 'Energy density can be calculated using the relationship $U = \frac{1}{2}\varepsilon^2 Y_{hkl}$, for any elastic system'.

5. Equation (6) is missing the lambda (λ) symbol in the published article and the equation should read as follows.

$$\beta_{hkl}\cos\theta = \left(\frac{k\lambda}{D}\right) + (4\sin\theta)\left(\frac{2U}{Y_{hkl}}\right)^{\frac{1}{2}}$$

6. In equation (7), the 't' in the exponential part should be replaced with the complex number 'i' and the final equation will take the form as follows

$$\rho(x, y, z) = \frac{1}{V}\sum_{hkl}|F_{(hkl)}|\exp[-2\pi i(hx + ky + lz - \alpha_{hkl})]$$

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Data availability statement

No new data were created or analyzed in this study.