

**Corrections to paper**  
**“A theoretical study of the propagation of light soliton produced by semiconductor quantum dots through optical fibers”**

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**1. Table 1 should be changed in following manner:**

TABLE 1. Relation between the density of SQDs and FWHM of solitons

S.No.	Density of SQD ( $10^{11} \text{ cm}^{-3}$ )	FWHM (ps)
1.	2.63	6.18
2.	8.00	3.52
3.	22.88	2.06
4.	99.42	1.00

**2. The heading of Fig. 3 should be modified as:**

Fig. 3. Simulation of soliton generated by SQDs system with different densities of QDs. (a)  $n_0 = 2.63 \times 10^{11} \text{ cm}^{-3}$ ; (b)  $n_0 = 8.00 \times 10^{11} \text{ cm}^{-3}$ ; (c)  $n_0 = 22.88 \times 10^{11} \text{ cm}^{-3}$  and (d)  $n_0 = 99.42 \times 10^{11} \text{ cm}^{-3}$ .

**3. Reference [3] requires a change such that:**

S. D. Horta, et al. Study of the propagation of solitary waves produced by an assembly of quantum dots through optical fibers. A theoretical study. *J. Phys.: Conf. Ser.*, 2019, **1221**, P. 012020(1-6).