



SDI Review Form 1.6

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	Ms_BJAST_31212
Title of the Manuscript:	Dispersion and Nonlinear Characteristics of a Doping Defected Core Spiral Photonic Crystal Fiber
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments		
Minor REVISION comments	1. Add some more detail about your material. 2. Improve result part by mention its proper application. 3. Add some more detail about experimental set up 4. Add some detail of simulation software or program or algorithm.	1. Line 125 to 131: The refractive index, n_2 for silica fiber varies in wide range from 2.23 to $3.95 \times 10^{-20} \text{ m}^2/\text{W}$ depending on the type of fiber and doping techniques. To get large range of variations in n_2 values, core is doped with other materials such as GeO_2 and fluorine. By using the doping materials, the refractive indices of fibers differ by a small amount which is typically less than 1%. To make dispersion shifted fiber, these doping concentration levels affect n_2 values. Our Proposed dd-SPCF is doped with GeO_2 whose refractive index value n_2 varies almost linearly due to relative refractive index of the core, $\Delta = 0.02$. 2. It is already discussed at Line 61, 62 & 206. And add some application in result part Line 207. ...such as soliton pulse transmission, laser tuning, nonlinear spectroscopy to biomedical imaging and frequency metrology. 3. It is elaborately discussed in Line 91 with solving method. 4. We have added details of simulated software in Line 92.
Optional/General comments	1. Improve grammar	We have read many times and corrected grammatical error.