



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	Journal of Advances in Mathematics and Computer Science
Manuscript Number:	2019/JAMCS/52742
Title of the Manuscript:	On the interplay of geometrical shapes and the analysis of a dispersal model for pattern formations
Type of Article:	

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
<p>1. See Page 2, "where D may be a function of x, and is known as a diagonal matrix of positive constant diffusion coefficients", it is a bit confusing that D is a function of x or a matrix. Please mention clearly.</p>	<p>Yes, the reviewer is correct. In the previous version it was confusing and incorrect due to the rising word constant. In the revised version, we have changed the description. The equation (1.1) present a system of PDEs, where f and c are both vectors and denitely D is a diagonal matrix and may be space dependent. For more details, please check page 2, after Eq. (1.1) in the revised version.</p>
<p>2. See Page 2, "In this paper we limit our discussion on this model since Schnackenberg model can be used to described the emergence of patterns on the animal skin." It is still having a grammatical mistake. Please check and do the correction carefully.</p>	<p>Corrected.</p>
<p>3. See Page 3, "In this group, the four systems are typically important", what does "this group" refer to? Please mention clearly.</p>	<p>The sentence is rewritten. We introduced the background and various classes of chemical or biochemical populations for reaction-diffusion equations which includes important pattern formations; one is Schnackenberg model and all four are listed in page 3 and we dene this as a group. Please check the revised version of the manuscript.</p>
<p>4. See Page 9, "It is observe that", It is still having a grammatical mistake. Please check and do the correction carefully.</p>	<p>Corrected.</p>