



SDI Review Form 1.6

Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	2014_BJMCS_13726
Title of the Manuscript:	Existence of coupled Quasi-solutions of Nonlinear Integro-Differential Equations of Volterra Type in Banach Spaces
Type of the Article	Original Research Article

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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.

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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	(1) In page number 2, the Lemma 1.2 and Lemma 1.3 are the same. This should be rectified. (2) Complementary references must be included and the author must provide an upto date list of references. (3) The paper titled "Extremal Solutions and Comparison Principle Nonlinear Integro-Differential Equations in a Banach Space*" Acta Mathematica Sinica, New Series 1993, Vol.9, No.2, pp.152-159, also proves the existence of unique solution of the same equation (1.1). The authors must mention their contribution in this case. (4) There are also recent papers dealing with the existence of coupled quasi solutions of second order nonlinear integrodifferential equation of Volterra type similar to equation (1.1). The authors must explain the advantage of this paper over the existing similar papers of recent years.	(1) It has been modified. (See modified paper) (2) Complementary references have been added. (3) The references [8] and [9] are removed. Add a new reference: [8] Yubo Chen, Wan Zhuang, Extremal solutions and comparison principle for nonlinear integro-differential equations in a Banach space, Acta Mathematica Sinica, 2(1993), 152-159. In this paper, authors only considered single H and the condition of measure of noncompactness is relative strong. The proof methods are also different. (4) In our paper, $H = H_0 + H_1 + H_2$, where H_0, H_1, H_2 satisfied different conditions respectively. Other papers are concerned with single H, their conditions of measure of noncompactness are relatively strong.
Minor REVISION comments	(1) Kuratowski Measure of noncompactness is not used in the paper, thus there is no point in mentioning it. (2) Monch von Harten theorem must be stated in the preliminaries. (3) The authors must cite references for the Lemmas 1.1,	(1) Kuratowski Measure of noncompactness is removed. (see modified paper) (2) Lemma 1.1 is the Monch von Harten theorem (it has been marked in Lemma 1.1). (3) Cite references are made for the Lemmas



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	1.2 and 1.4, or prove them. (4) The authors must explicitly define operator "A" in page no. 4. (5) Some misprints such as "diffeential" in Reference 1 page 8 are detected.	1.1, 1.2 and 1.4 (Lemma 1.4 → Lemma 1.3, The original Lemma 1.3 is removed). (4) P4, line 4 is the definition of the operator "A". (5) It has been modified. (see modified paper)
<u>Optional/General</u> comments	The authors may show an example from the point of view of concrete applications. It would be certainly useful to the readers. In the recent years there much interest in coupled quasi-solutions of nonlinear differential equations. This paper will be useful for further research. Consequently, this paper may be accepted after incorporating the above recommendations.	