



**SDI Review Form 1.6**

Journal Name:	<a href="#">Asian Journal of Physical and Chemical Sciences</a>
Manuscript Number:	Ms_AJOPACS_35001
Title of the Manuscript:	Determination of Pesticide Residues in Edible Crops and Soil from University of Agriculture Makurdi Farm Nigeria Part 1 in the series of pesticide residues
Type of the Article	Original Research Paper

**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.

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(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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)
<b>Compulsory</b> REVISION comments	<p><b>General Major Comments:</b></p> <ol style="list-style-type: none"> <li>1. The manuscript should be reviewed by a native speaker.</li> </ol> <p><b>Specific major comments:</b></p> <ol style="list-style-type: none"> <li>1. <u>Section 4</u>. Please provide the analysis conditions and add the analytical parameters in a table with the LOD, LOQ, correlation coefficient, slope, repeatability inter- and intra-day.</li> <li>2. <u>Section 4</u>. Please describe the validation of the proposed methodology according with the analytical process.</li> <li>3. <u>Section 4</u>. Page 13, line 314. The table 3 describe the mean concentration, please describe how ensure standard deviation of <math>\pm 0</math></li> <li>4. <u>Section 4</u>. Page 13. Please check the significant numbers in table 3.</li> <li>5. <u>Section 4</u>. Figure 2-3. Please provide other chromatograms with high resolution that shows the peak resolution.</li> <li>6. <u>Section 4</u>. Figure 4. Please explain the assignation of each pesticide in the chromatogram taking in to account the relation signal/noise.</li> <li>7. Please describe in a table the principal contributions of the present work in comparison with all the methodology previously developed by other authors taking in to account the MRLs.</li> </ol>	<ol style="list-style-type: none"> <li>1. Any English-speaking reviewer in this field could be used since the context is chemistry and botanical names of crops were used. Specific comments: 1. Analytical conditions and parameters have been added in red clour 2.Validation of the methods for vegetables &amp; soil have been added in section 4.1 &amp; 4.2 respectively 3. Replicate concentrations measured in the crop (carrot) was the same, giving same mean &amp; standard deviation of 0. 4. Three significant figures were used for mean &amp; standard deviation except very small number (effected). 5. Figure 3 has been replaced with another chromatogram. No real visible peaks in fig.4 as it is for a controlled sample where pesticides were supposedly not applied 6. Noise interaction/interference has been taken care of during analysis process 7. The novelty of this work lies in its ability to provide adequate data base information to the university community &amp; its environs on crops &amp; soil holding to the precision of the method when replicated, sensitivity of the detector used (electron capture i.e section 4.1), % recovery obtained as shown in tables 2-4.</li> </ol>



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<p><b><u>Minor</u></b> REVISION comments</p>	<ol style="list-style-type: none"> <li>1. <u>Section 1</u>. Page 3, line 63. The paragraph “one of the isomers of hexachlorocyclohexane (HCH) [3.” Please check the reference format.</li> <li>2. <u>Section 1</u>. Page 3, 89. The paragraph “(direct sampling -microextraction (DM-SPME), headspace sampling–microextraction (HS-SPME) and solid phase micro-extraction (SPME) please provide the adequate references for this techniques.</li> <li>3. <u>Section 1</u>. Page 4, line 94-98. The paragraph “reverse- phase octadecyl (C18), normal-phase aminopropyl (-NH<sub>2</sub>) and primary-secondary amine (PSA), anion-exchanger three-methyl ammonium (SAX) and adsorbents such as graphitized carbon black (GCB). Normal-phase sorbents such as florisil (MgSiO<sub>3</sub>), aluminum oxide (Al<sub>2</sub>O<sub>3</sub>) and silica (SiO<sub>2</sub>) are usually used in combination with the previously mentioned sorbents”, please provide the references in the use of these materials.</li> <li>4. <u>Section 1</u>. Page 4, line 111. In the paragraph “SPE technique was used by [18] for determination of 446 pesticides in some vegetable crops in Ghana” please define the name of the authors or explain the SPE technique.</li> <li>5. <u>Section 3</u>. Page 6, line 151. Please provide the name of the authors according to a method by [19], and describe the methodology.</li> <li>6. <u>Section 4</u>. Page 6, line 151. Please provide the name of the authors according to a method by [19], and describe the methodology.</li> </ol>	<ol style="list-style-type: none"> <li>1. Corrected</li> <li>2. References 11, 12 &amp; 13 are for this techniques.</li> <li>3. Pang <i>et al.</i>, 2006; Schenck <i>et al.</i>, 2092. References Nos. 12, 13,14 were provided to that effect (i.e their uses).</li> <li>4. by Pang <i>et al.</i> (author's name provided)</li> <li>5. by Dem <i>et al.</i> (effected, description above is part of the applied method)</li> <li>6. Effected</li> </ol>
<p><b><u>Optional/General</u></b> comments</p>		