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## **SDI FINAL EVALUATION FORM 1.1**

## PART 1:

| Journal Name:            | Annual Research & Review in Biology   |
|--------------------------|---|
| Manuscript Number:       | Ms_ARRB_48336   |
| Title of the Manuscript: | DISTRIBUTION AND HEALTH RISK ASSESSMENT OF CHROMIUM, MANGANESE AND ARSENIC VIA INGESTION FOODS FROM INDUSTRALISED LOCATIONS IN THE SOUTH EASTERN STATES OF NIGERIA. |
| Type of Article:         | Original research Article   |

| PART 2:  |   |
|--|---|
| FINAL EVALUATOR'S comments on revised paper (if any)   | Authors' response to final evaluator's comments |
| There are still plenty of grammatical and technical errors.  |   |
| How is possible that Table 7 appears in the text before Table 1?   |   |
| I repeat some of the comments given to the original manuscript:  |   |
| What are the possible causes for so high amounts of Cr in most examined food crops and soil samples? How prevent this?   |   |
| What about the irrigation sources? Did Authors have information about the content of heavy metals in water for irrigation of examined food crops? What about its pH?   |   |
| What about the air quality at chosen industrial locations? This also can affect the metal content in soil and crops.   |   |
| What about the type of the soil examined and content of the soils since it may also affect the mobility and behaviour of heavy metals?   |   |
| I don't see that Authors examined the pH of the soil samples which were investigated and I am wondering why, since pH is very important factor which affects the mobility of the metals in the soil. It could help in explaining of the metal content both in soil and food crops. In particular, the authors cite references to the influence of pH on the behaviour of As in the soil. |   |
| Based on obtained results, what are the suggestions for reducing or maybe preventing the appearance of heavy metals in food crops at examined sites?   |   |

## **Reviewer Details:**

| Name:                            | Ivona Nuić                   |
|----------------------------------|------------------------------|
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Created by: EA Checked by: ME Approved by: CEO Version: 1.5 (4<sup>th</sup> August, 2012)