

**Write on the following research points:**

| <b>The research topic</b>  |
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| <p><b>1- Bio magnification</b></p> <ul style="list-style-type: none"> <li>-Dangers of it</li> <li>-Mercury, DDT</li> <li>-Its toxic effect on animal and human</li> <li>-Reducing its effect</li> </ul>  |
| <p><b>2-Economic and health effects of mycotoxicosis</b></p> <ul style="list-style-type: none"> <li>-Adverse effect of mycotoxin pollution</li> <li>-Effect of mycotoxins on human and animal health</li> <li>-New strategies for their control</li> </ul>   |
| <p><b>3- General line of treatment for a toxicity case</b></p> <ul style="list-style-type: none"> <li>-Nonspecific treatments</li> <li>-Specific treatments</li> <li>-Chelating agents</li> <li>-Using of nanotechnology</li> </ul>  |
| <p><b>4- Potential risks of rodenticides to non-target mammals</b></p> <ul style="list-style-type: none"> <li>-Sources of exposure</li> <li>-Mode of toxicity</li> <li>-Hazards data</li> <li>-Control</li> </ul>  |
| <p><b>5- Adverse effects of heavy metals pollution to water</b></p> <ul style="list-style-type: none"> <li>-Sources of heavy metals pollution to water</li> <li>-Toxic effects of heavy metals on aquatic life</li> <li>-Indirect effect on human health</li> <li>-How can you control this problem</li> </ul>   |
| <p><b>6- Evaluation of food and feed pollution by pesticides</b></p> <ul style="list-style-type: none"> <li>-Sources of pesticides pollutions</li> <li>-Impacts of pesticides pollutions to food and feed</li> <li>-Toxicological effects of this pollution on human and animal health</li> <li>-Advanced methods to minimize that effects</li> <li>-Synthetic insecticides instead of pesticides</li> </ul> |
| <p><b>7- Review on the ability of chronic toxicity to cause carcinogenic and mutagenic effects by several mechanisms</b></p> <ul style="list-style-type: none"> <li>-Mechanisms</li> <li>-Mycotoxins</li> <li>-Heavy metals</li> <li>-Pesticides</li> <li>-Control of these effects</li> </ul>   |

### **8- Impacts of bio transformation on the toxicity**

- Mechanisms of bio transformation
- Detoxification
- Bio activation
- OPC
- AFT
- Pb

### **9- Poisons deviate reproductive performance**

- Mechanisms of action
- Heavy metals
- Mycotoxins
- Ameliorating trials

### **10- Airborne toxicity**

- Causes
- Pesticides
- Heavy metals
- Mycotoxins
- Protective measures

**Good luck**

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