

## Contents

<b>Present status of soil fertility in lowland rice fields of Ghana and recommended management practices .....</b>	<b>1</b>
<b>Potential sources, application, and contribution of organic matter to soil fertility restoration for lowland rice production in Ghana .....</b>	<b>7</b>
<b>Importance of various organic materials in lowland rice production systems in the forest zone of Ghana .....</b>	<b>13</b>
<b>Effect of rice straw application on lowland rice cultivation in the Guinea savanna zone, Ghana .....</b>	<b>19</b>
<b>Poultry manure-based composting with rice straw and saw dust for lowland rice production in the forest zone of Ghana .....</b>	<b>27</b>
<b>Implication of the direct application and residual effects of phosphate rock in the lowland rice system of Ghana .....</b>	<b>31</b>
<b>Combination and timing of application of phosphate rock and organic amendments in the lowland rice field of Ghana .....</b>	<b>39</b>
<b>Technology for the solubilization of phosphate rock and its advantages —Phosphate rock solubilization by low-temperature calcination .....</b>	<b>45</b>
<b>Technology for the solubilization of phosphate rock and its advantages —Phosphate rock solubilization via rice straw composting .....</b>	<b>51</b>
<b>Effects of pre-seed and seedling treatment by phosphorus fertilizer on growth and grain yield of lowland rice .....</b>	<b>57</b>
<b>Blending science with indigenous knowledge: An assessment of rice farmer's views on soil improvement technologies in northern Ghana .....</b>	<b>65</b>

<b>Assessment of biochar application for lowland rice cultivation through locally available feedstocks in Ghana .....</b>	<b>71</b>
<b>Plant nutrient content of some animal manure types in the Guinea savanna (GS) agro-ecological zone of Ghana .....</b>	<b>77</b>
<b>The Outlines of the Workshop .....</b>	<b>83</b>