

**UNIVERSITY OF SWAZILAND**

**MAIN EXAMINATION PAPER 2009**

**TITLE OF PAPER :** RESEARCH TECHNIQUES

**COURSE CODE :** ERM610

**TIME ALLOWED :** THREE HOURS

**INSTRUCTIONS :**

1. THIS PAPER HAS FOUR (4) QUESTIONS
2. ANSWER QUESTION 1 (COMPULSORY) PLUS ANY TWO (2) OTHER QUESTIONS
3. WHEREVER POSSIBLE ILLUSTRATE YOUR ANSWERS WITH LARGE CLEARLY LABELLED DIAGRAMS

**SPECIAL REQUIREMENTS:** NONE

**THIS PAPER IS NOT TO BE OPENED UNTIL PERMISSION HAS BEEN GRANTED BY THE INVIGILATORS**

**Question 1 (Compulsory)**

A journal article is provided. Read the article and write your own abstract. Your abstract should be properly formatted, ensuring that it includes all critical information.

[25 marks]

**Question 2**

Discuss in detail the concept of biodiversity assessment and elaborate on techniques which may be used to accomplish this.

[25 marks]

**Question 3**

Give a comparative assessment of molecular techniques employed in plant genetic diversity studies, highlighting their suitability in resource-limited settings

[25 marks]

**Question 4**

Outline the research steps you would adopt in evaluating the impact of microbially mediated bioremediation.

[25 marks]