



Abstract Formatting Guidelines

MRC KIU 2026 Conference Proceedings

1. General Requirements

- File Format – Microsoft Word (.docx)
- Paper Size – A4 (210 x 297 mm)
- Margins – 2.5 cm on all sides (top, bottom, left, right)
- Length – Single page only
- Add the abstract number at the upper left corner of the paper.

2. Typography Specifications

I. Title

- Font – Times New Roman, Bold
- Font Size – 14
- Alignment – Center
- Spacing – Single line spacing
- First letter of each major word should be capitalized.

II. Author Information

- Font – Times New Roman, Regular
- Font Size – 12
- Alignment – Center
- Format – Author Name (Surname, Initials)¹, Author Name (Surname, Initials)², Author Name (Surname, Initials)³
- Spacing – One blank line after title

III. Affiliations

- Font – Times New Roman, Italic
- Font Size – 11
- Alignment – Center
- Format – ¹Department, Faculty, University Name, City, Country
- Corresponding Author – Should be marked by the * symbol as a superscript.
- Email – Include the corresponding author's email after a blank line from affiliations with the superscript * symbol.
- Spacing – One blank line after affiliations

Sample Header Format:

Innovative Approaches to Sustainable Energy Solutions in Developing Countries

Smith J.^{1*}, Garcia M. T.², Hassan A.¹

¹Department of Biomedical Sciences, KIU Campus, Battaramulla, Sri Lanka

²Institute of Renewable Energy, University of Barcelona, Barcelona, Spain

**Corresponding Author: john.smith@kiu.ac.lk*

IV. Abstract Text

- Font – Times New Roman, Regular
- Labels - Times New Roman, Bold (Introduction, Objective, Methodology, Results, Conclusion)
- Font Size – 11
- Alignment – Justify
- Spacing – Single line spacing
- Paragraph Spacing – 6pt spacing after each paragraph
- Word Limit – 300 words maximum

V. Keywords

- Font – Times New Roman, Regular
- Label - Times New Roman, Bold
- Font Size – 11
- Number of Keywords – 3-5 keywords
- Format – Separate by commas, no period at the end
- Placement – One blank line after abstract text

3. Technical Specification

I. File Name Convention

- Format – Abstract ID_Last Name of Corresponding Author_MRC2025
- Example – AB001_Smith_MRC2025

Please find the template of the abstract below.

Exploring the Role of Plant-Based Bioactive Compounds in Enhancing Antimicrobial Resistance Management

add a * mark to highlight the Corresponding Author Smith J.^{1*}, Garcia M.T.², Hassan A.¹ underline the Presenting Author

¹Department of Biomedical Sciences, Faculty of Health Sciences, KIU Campus, Battaramulla, Sri Lanka for KIU authors use this

²Department of Microbiology, University of Peradeniya, Peradeniya, Sri Lanka

*Corresponding Author: smith.j@kiu.ac.lk
clearly mention the corresponding author like this

Keep the sub-paragraph for Introduction

Introduction: Antimicrobial resistance (AMR) has emerged as a critical global health challenge, driven largely by the overuse of antibiotics and the limited availability of novel therapeutic agents. Plant-derived bioactive compounds have shown promising antimicrobial properties, yet their role in addressing resistance mechanisms remains underexplored.

Alignment
Justify

Keep the sub-paragraph for Objective/s

Objectives: This study aimed to evaluate the antimicrobial potential of selected plant-based bioactive extracts against clinically relevant multidrug-resistant bacterial strains and to assess their potential as adjunct therapeutic agents.

Alignment
Justify

Keep the sub-paragraph for Methodology

Methodology: A cross-sectional experimental design was employed. Ethanolic extracts from five medicinal plants commonly used in Sri Lanka were prepared and tested against multidrug-resistant *Escherichia coli* (*E. coli*) and *Staphylococcus aureus* (*S. aureus*) using agar well diffusion and minimum inhibitory concentration (MIC) assays. Synergistic effects with standard antibiotics were evaluated using checkerboard assays. Statistical analysis was performed with SPSS v.25, applying ANOVA for group comparisons.

Alignment
Justify

Keep the sub-paragraph for Results

Results: All tested plant extracts demonstrated varying degrees of antimicrobial activity, with *Azadirachta indica* showing the largest inhibition zone (18.4 ± 1.2 mm) against *S. aureus*. MIC values ranged between 64–256 $\mu\text{g/mL}$, indicating moderate inhibitory potential. Synergistic testing revealed that combining extracts with ciprofloxacin reduced MIC values by up to fourfold, suggesting enhanced antibiotic effectiveness. Statistical analysis confirmed significant differences ($p < 0.05$) between plant extracts and control groups.

Alignment
Justify

Keep the sub-paragraph for Conclusion

Conclusion: The findings indicate that plant-derived bioactive compounds, particularly from *A. indica*, exhibit significant antimicrobial activity and synergistic potential with conventional antibiotics. This suggests their applicability as supportive agents in AMR management. Future research should focus on in vivo studies and molecular characterization of active compounds.

Alignment
Justify

Keep a space between Conclusion and Keywords

Keywords: antimicrobial resistance, plant extracts, bioactive compounds, multidrug-resistant bacteria, synergistic therapy

Strictly limit the maximum word count to 300. Your abstract should only be in 1 page.

Page layout should be as follows.



Normal

Top: 2.54 cm Bottom: 2.54 cm
Left: 2.54 cm Right: 2.54 cm