

# Gender dynamics in agricultural innovations in sub-Saharan Africa: Evidence from a bibliometric study

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SUPPORTING PATHWAYS TO SUSTAINABLE LAND MANAGEMENT IN AFRICA



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# Content

# Introduction

- Women constitute nearly 50% of the agricultural labour force but face significant disparities in access to land, credit, training, and inputs compared to men.
- However, the development and adoption of innovations often fail to account for the gender dynamics, resulting in unequal access and benefits for men and women.
- These inequalities hinder women`s access and ability to adopt innovations and limit the broader impact on household and community well-being.
- Understanding the gender dynamics and how knowledge about women`s participation in agricultural innovation is exchanged within scientific circles is critical for addressing the gaps that still exist.

# Method

- Bibliometric analysis provides a valuable method for assessing the growth, trends, and gaps in research.
- In this study, we analysed scientific publications related to agricultural innovations and gender dynamics using platforms such as Scopus, Web of Science and PubMed.

# Method: Scopus articles including and not including gender

Search within Article title, Abstract, Keywords	Search documents * "Sub Saharan Africa"
AND	
Search within Article title, Abstract, Keywords	Search documents smallhold*
AND	
Search within Article title, Abstract, Keywords	Search documents "Innovation" OR "Technolog*" OR "Adoption" OR "Uptake"
AND NOT	
Search within Article title, Abstract, Keywords	Search documents "Gender*" OR "Women" OR "Female"

Search within Article title, Abstract, Keywords	Search documents * "Sub Saharan Africa"
AND	
Search within Article title, Abstract, Keywords	Search documents smallhold*
AND	
Search within Article title, Abstract, Keywords	Search documents "Innovation" OR "Technolog*" OR "Adoption" OR "Uptake"
AND	
Search within Article title, Abstract, Keywords	Search documents "Gender*" OR "Women" OR "Female"

# Results: Innovations Identified

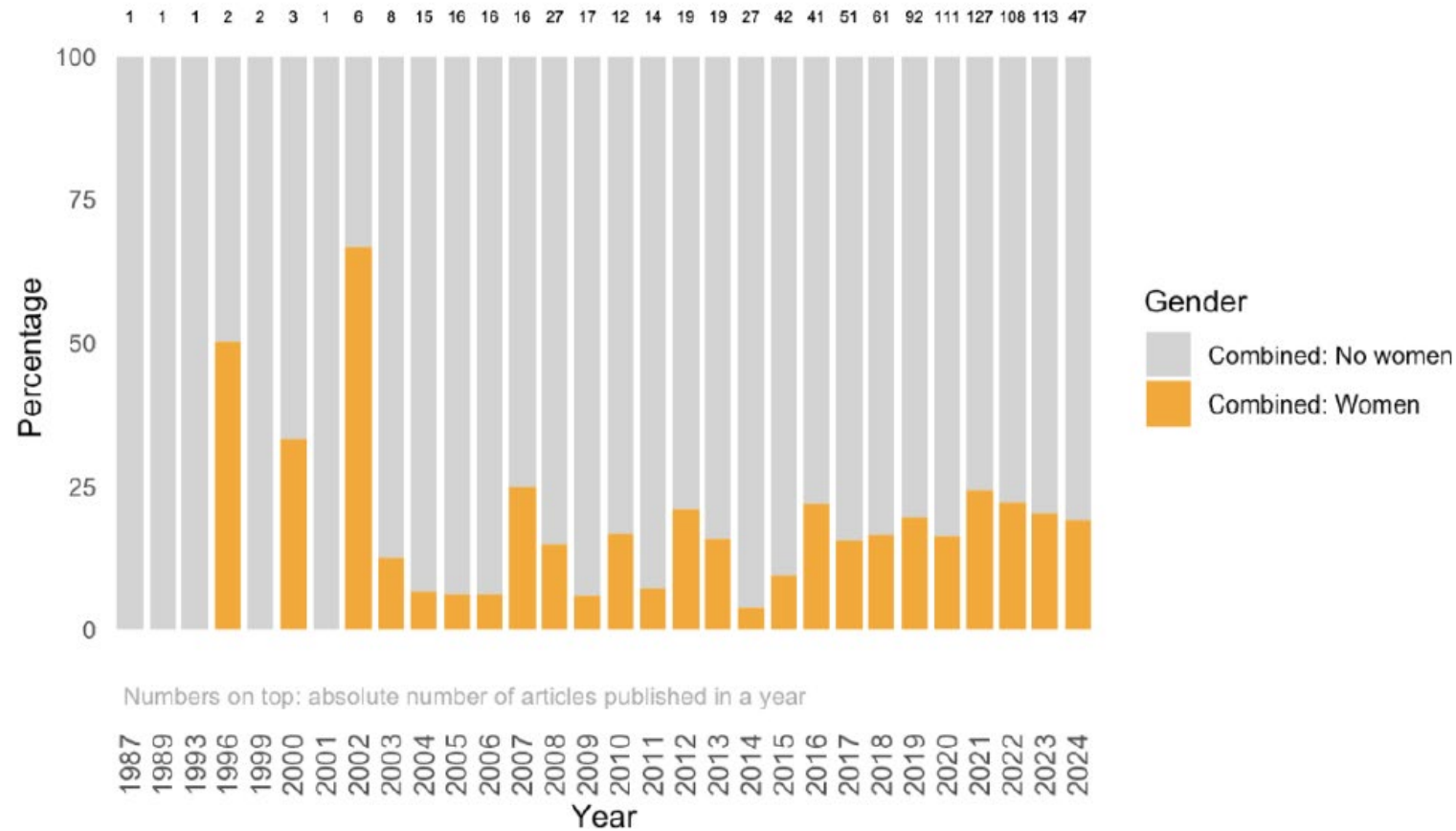
- Irrigation
- Climate smart agriculture
- Digitalisation/ICT
- Animal feed
- Nutrition
- Farm operations
- Agri-based entrepreneurship

# Results: Articles including and not including gender

	Scopus(No Gender)	WOS (No Gender)	PubMed (No Gender)	Scopus(with Gender)	WOS (with Gender)	PubMed (with Gender)
Initial results	755	738	65	135	131	11
Non-English	2	-	-	2	-	-
Not related to the topic	14	22	0	-	-	-

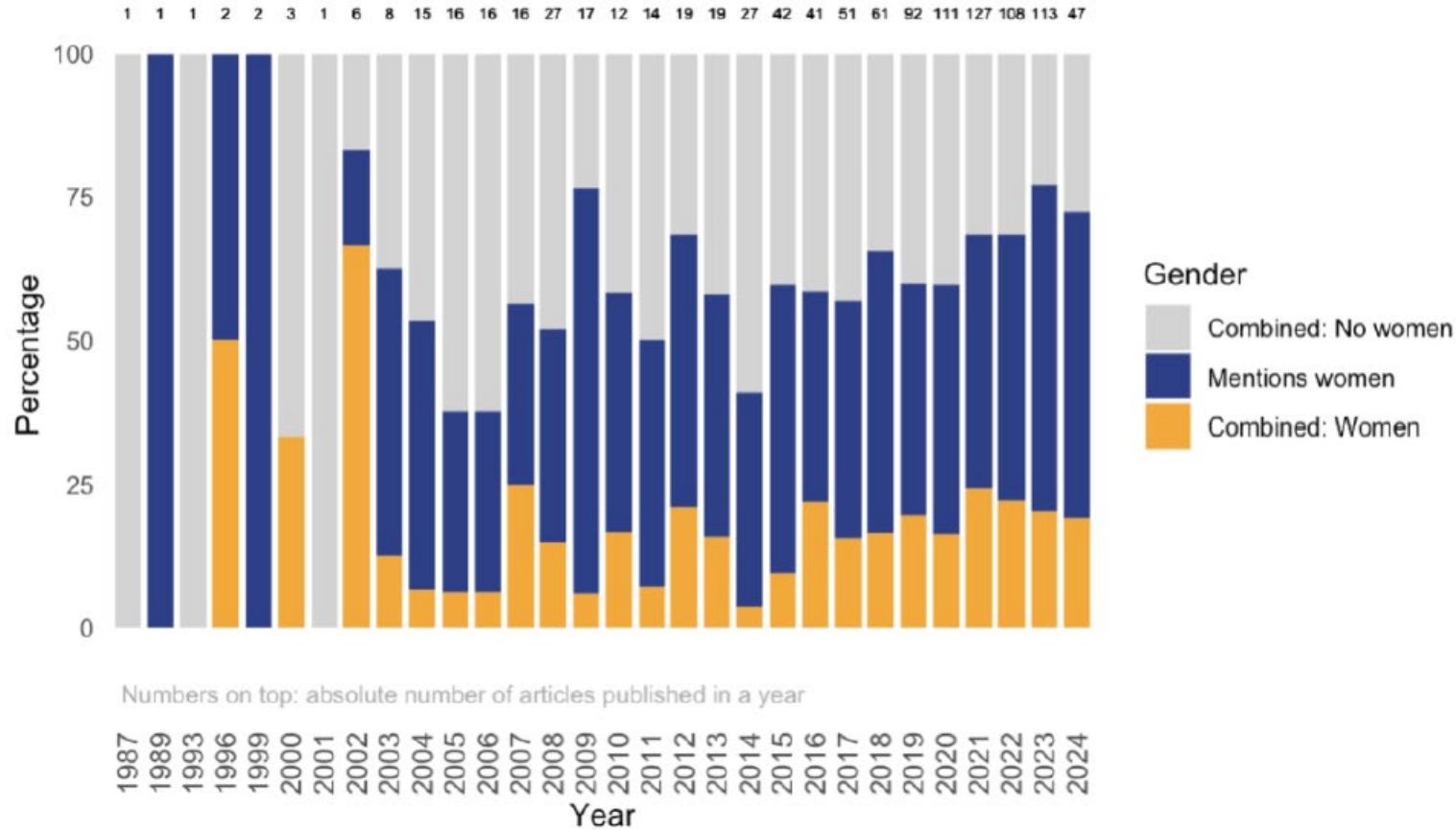
# Results:

All 3 databases combined initial search results

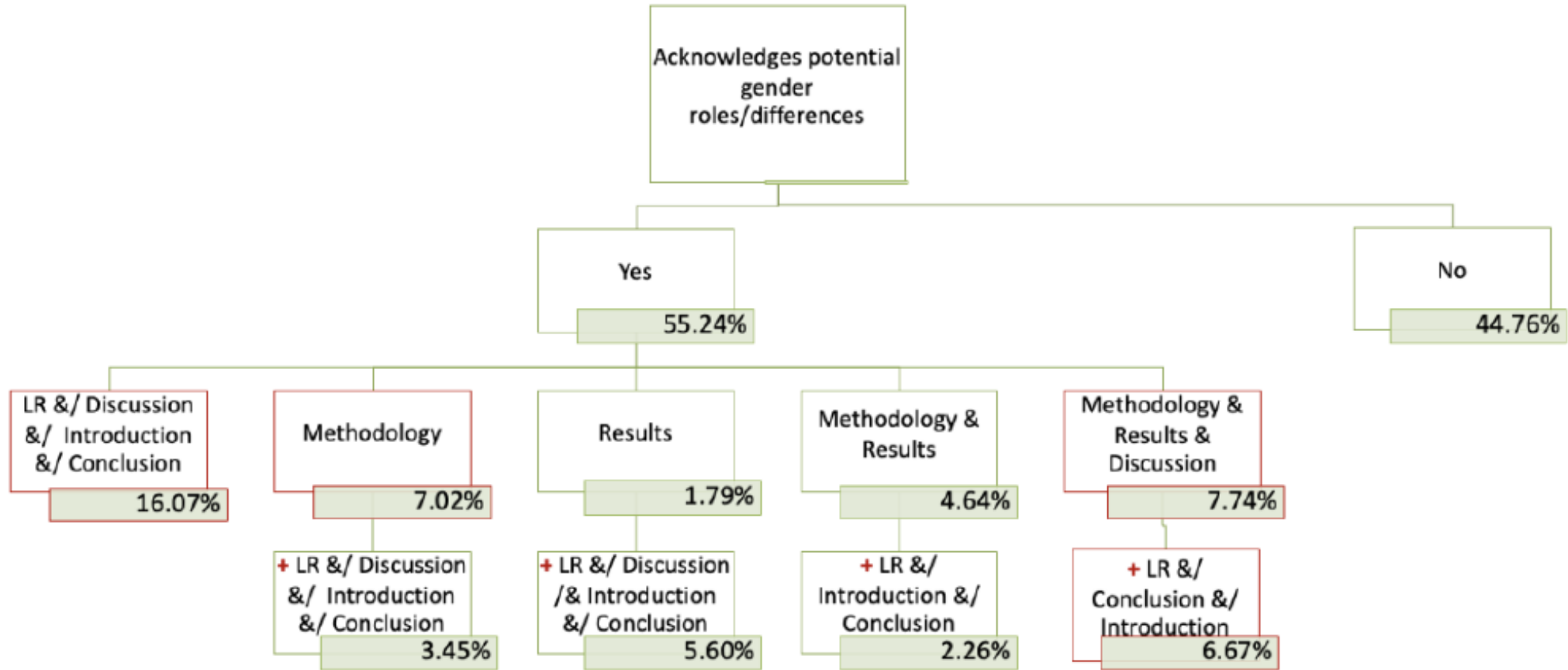


# Results

All 3 databases combined results after content analysis



# Results: categories of articles after content analysis



# Conclusion

- There has been a growing trend in articles that focus on gender than expected.
- Women are mainly involved in climate smart agriculture and agri-based entrepreneurship innovations.
- Although most of the articles mentioned women, the mention was mainly about the fact that women should be included.

# Thank you for listening



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