

# Gender Discrepancy in Open Access LIS Research: A Case Study of Journal of Scientometric Research



Presented by

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# Introduction

- Research is one of the most important four-pillars for the progress of disciplines, institutions, organizations, societies and nations. With the passage of time and development of new concepts and ideas, the research in the field of Library and Information Science (LIS) have undergone through various phases. Mode of research publications in the field of Library and Information Science are laterally moving towards open access publications (Rufai et al., 2011). The Open Access movement have influenced the scholarly communication specifically regarding the mode of its access by making the published literature free of cost and easily accessible through the internet. However, despite the development in the mode of publications, the gender gap considering the research performance in the LIS field is still persistent (Saikia & Verma, 2024).
- Gender disparity is a great challenge for any developing society including academics and research. A society or a nation cannot achieve sustainable development without inclusive gender participation in diverse activities. Several studies have reported that there are significant gender gap in academics and research across various disciplines where the field of Library and Information Science is no exception (Patel & Verma, 2020). So, the present study aims to identify the participation of female researchers in Library and Information Science Research based on the bibliometric parameters in an open-access journal i.e, DESIDOC Journal of Scientometric Research.

# About the Journal




- Journal of Scientometric Research is an internationally targeted, peer-reviewed, open access journal that publishes both empirical and theoretical contributions that advance scientometric research in sociology, economics and other related fields that use scientometric data as the ‘object of investigation’.
- Publisher- Phcog.Net
- ISSN- 2321-6654 (Print); 2320-0057 (Online)
- Frequency- Quarterly
- CiteScore- 1.7
- Impact Factor- 0.8

## Scope of the Study

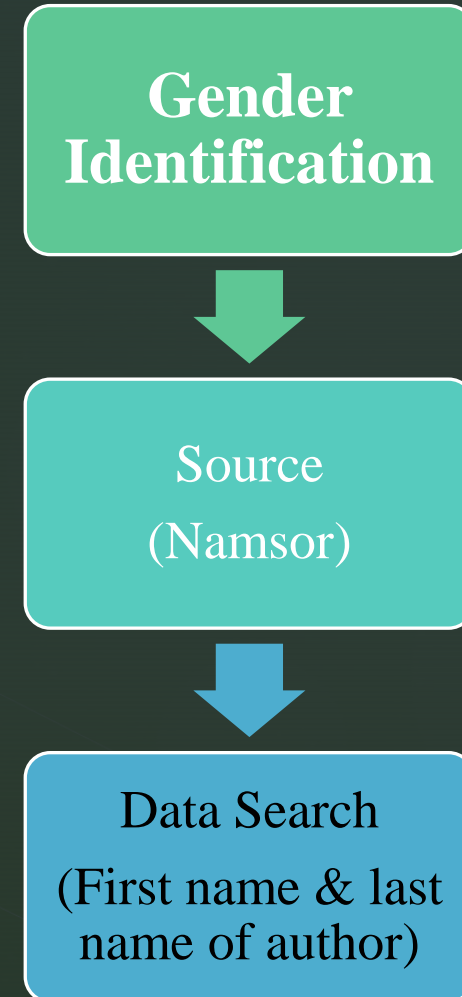
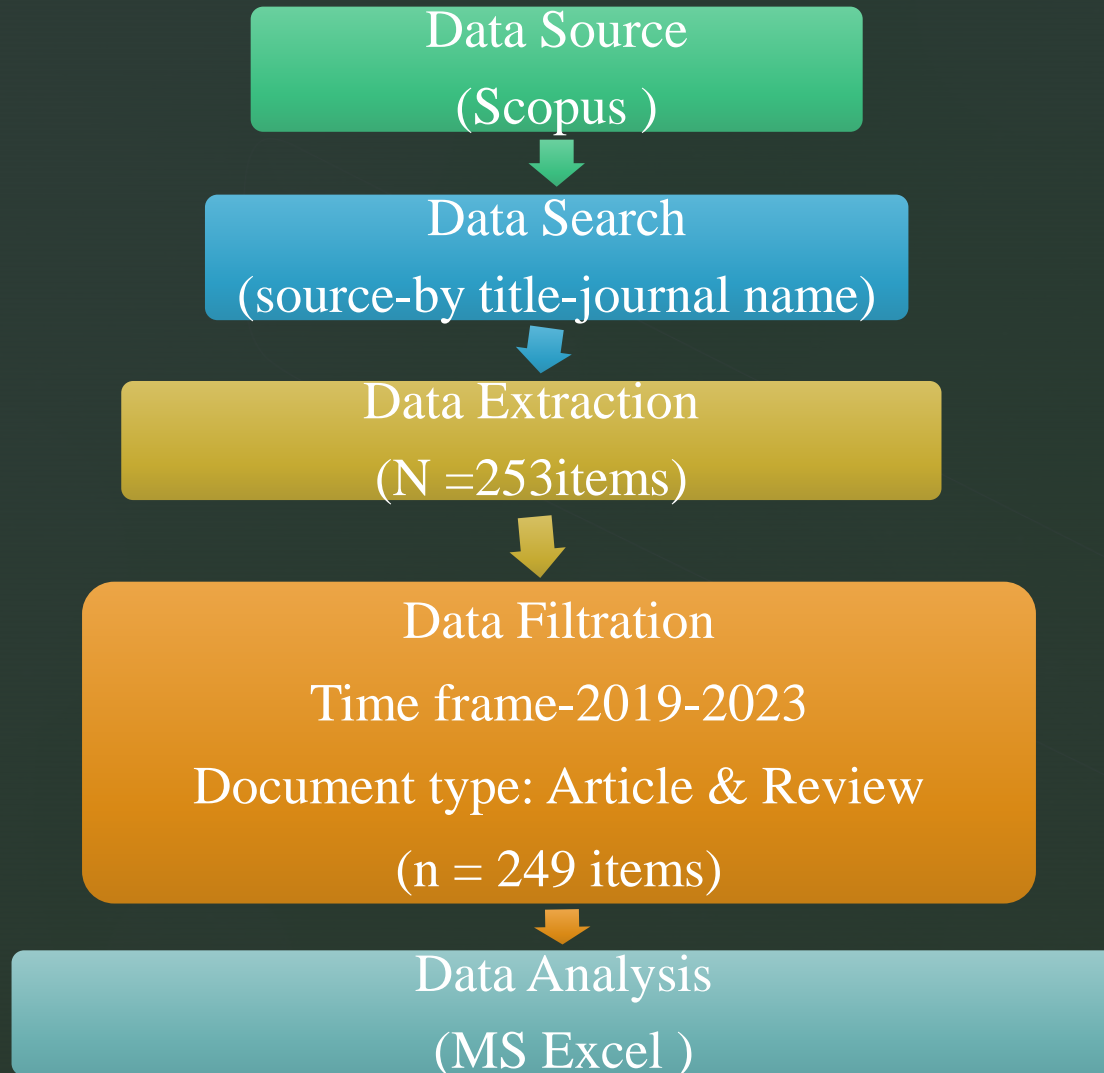
- The scope of the present study is limited to the published literature of the journal i.e. “Journal of Scientometric Research” only during 2019-2023 as reflected in the Scopus database.



# Objectives

1. To assess the growth of published literature based on the gender of the first author.
  2. To compare the research productivity of the first authors on gender perspective.
  3. To compare the share of citations to the published literature on the basis of first authors' gender.
  4. To compare the research productivity and share of citations of single-authored research publications through gender lens.
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# Methodology



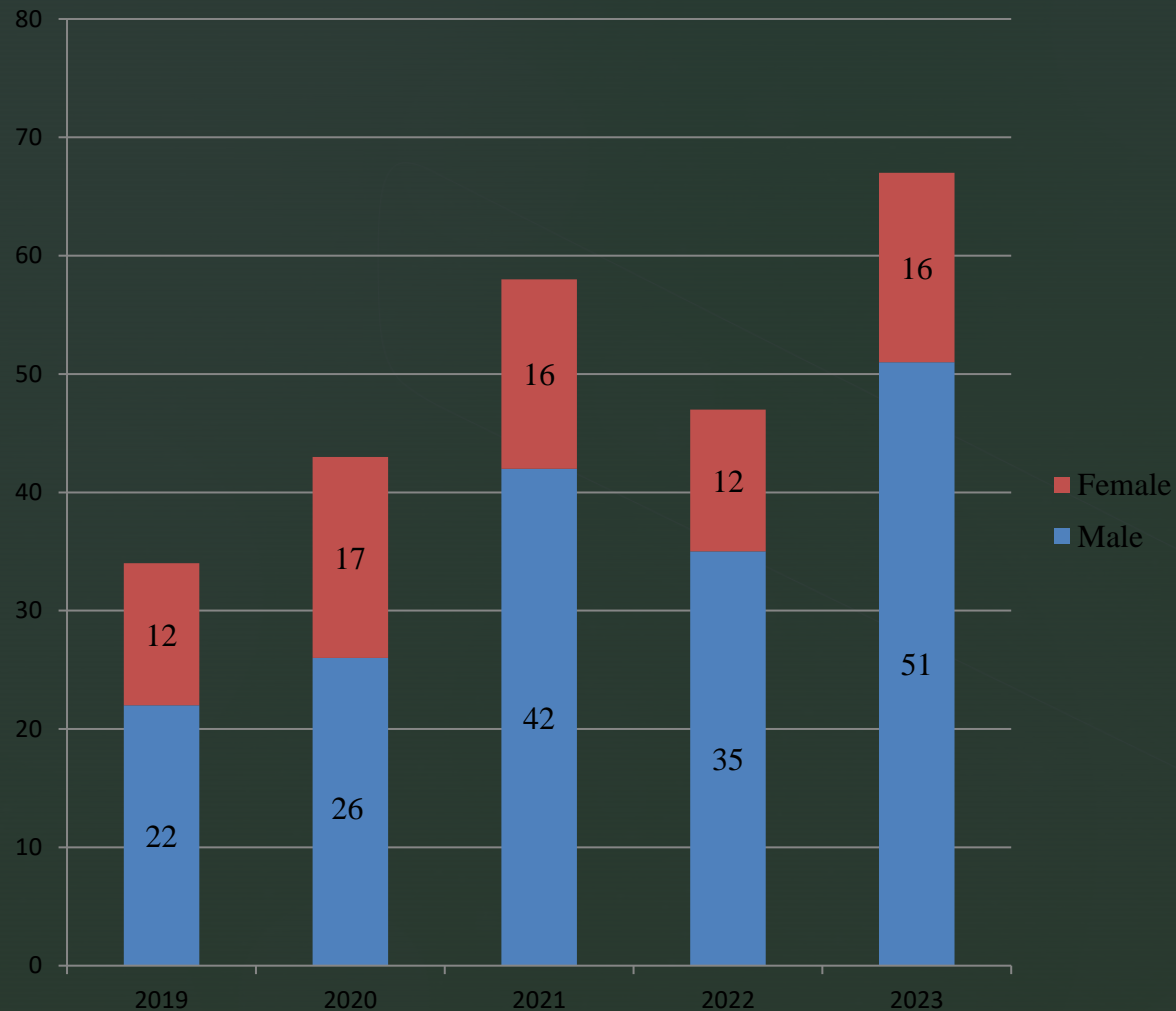


# Data Analysis and Interpretation



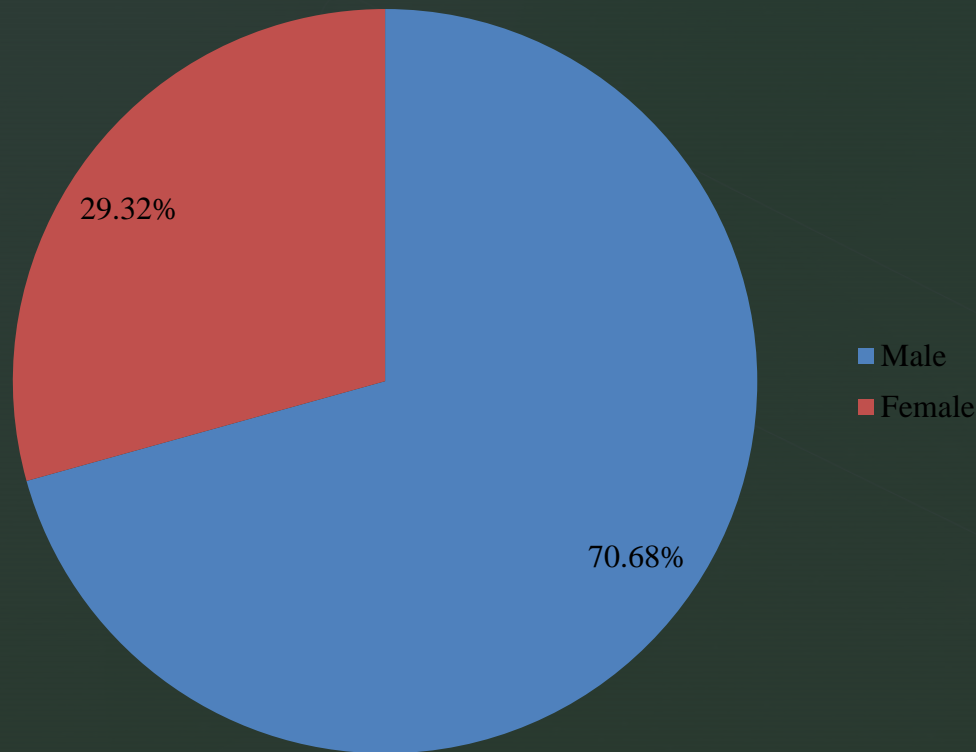


# Growth of Published Literature



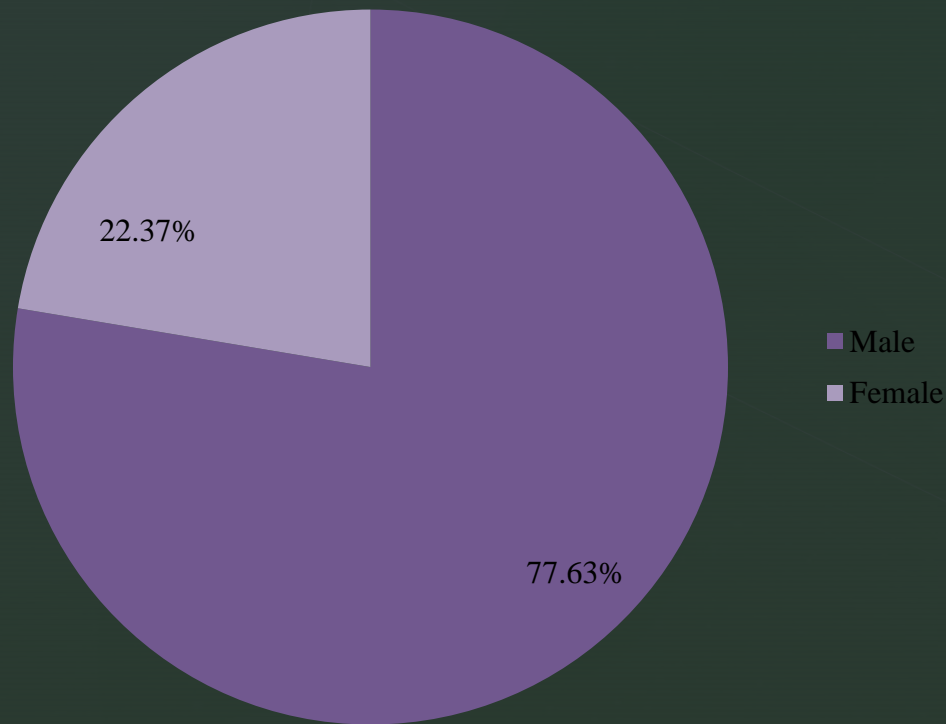
- Male first authors are dominant over female first authors in each and every year considering the number of research publications.
- Female first authors contributed maximum number of research publications in the year 2020 with 17 publications.
- The annual growth of published literature seems to be fluctuating while, maximum number of publications is noticed in the year 2023 with 67 publications

# Research Productivity of First Authors



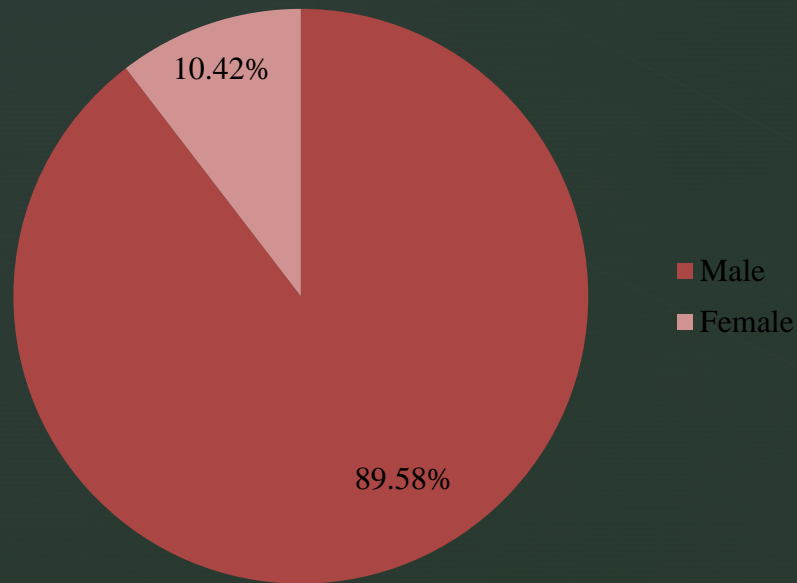
- Male first authors are contributing 70.68% of the published literature as compared to female first authors of 29.32%.
- Female LIS researchers need to contribute more research publications as first authors in the journal.

# Citation received by First Authors



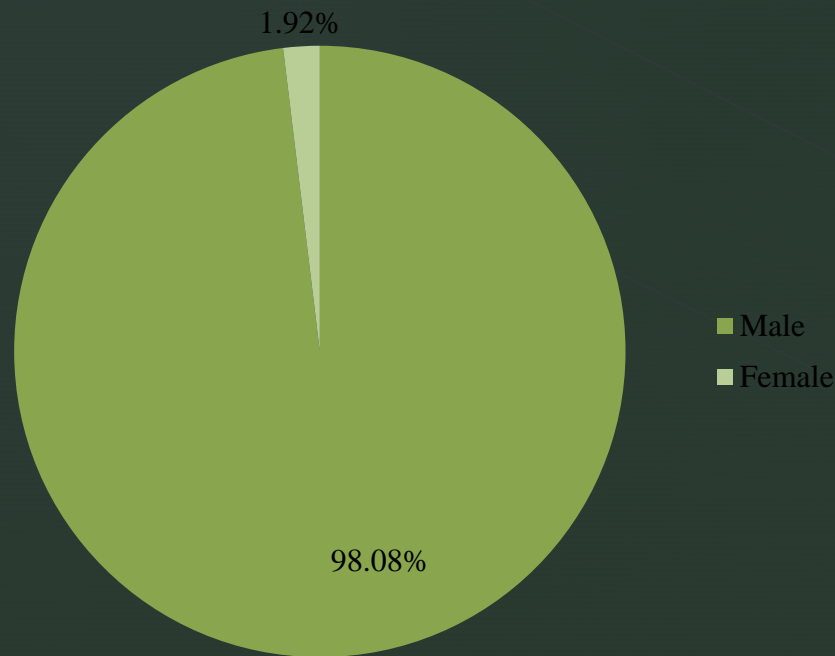
- Male first authors have received more citations than female first authors. The lower share of citations to female authors' research publications might be linked to their lesser research productivity in the journal.
- Quality of female authors' scholarly output need to be improved since, citation is an important factor for recognition of the published literature.

# Single-Authored Research Publications



- A total of 48 publications in the journal were found to be contributed by single authors.
- Male authors' research publications constituted 89.58% while, female authors contributed only 10.42% without collaborating with other authors.
- Female LIS researchers' scholarly output in the journal is much lesser than their male counterparts.

## Citation to Single-Authored Research Publications



- Male authors' research output received far more citations with 98.08% of the total citation counts as compared to negligible citations to female authors which constituted only 1.92%.
- Female researchers need to improve the quality of their research works for the better impact and visibility even when they are not in collaboration with other authors.

# Conclusion

- In the last five years, the published literature in “ Journal of Scientometric Research” have been mostly contributed by male authors and the similar gender disparity exists in the case of citations.
- Thus, to overcome the gender gap in LIS research, the female LIS professionals need to be encouraged by the academicians, senior researchers, think tanks of the field and caretakers of the journal through creation of a suitable environment to obtain more number of quality research output from them.
- Inclusive gender participation in research activities of every disciplines and fields is the need of present day era. Therefore, women should also come forward and strive hard to contribute their research works in highly reputed LIS journals.

# Contributors



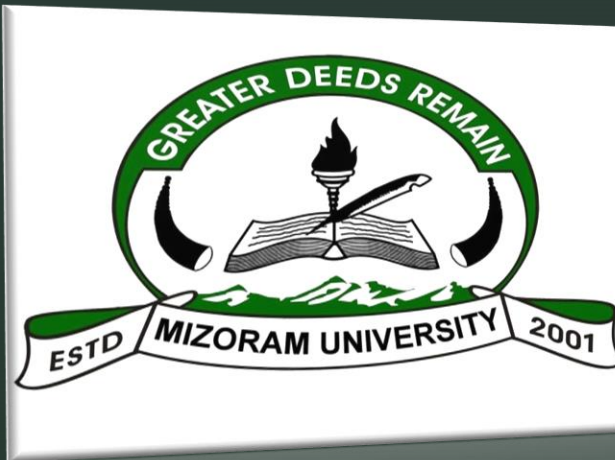
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Thank You

