

# MASTERING BIBLIOMETRIC ANALYSIS

using biblioMagika®, VOSviewer and Biblioshiny

BY ASSOC. PROF. TS. DR. AIDI AHMI

Through a series of interactive sessions and exercises, you will learn how to collect, harmonize, and analyze data using cutting-edge tools such as biblioMagika®, VOSviewer, and Biblioshiny. This workshop is specifically designed for journal writing, and by the end of it, you will have drafted a high-impact journal paper.

## WORKSHOP COVERAGE



### Getting the Dataset

Part 1 provides an overview about bibliometrics and explaining the process to get the dataset. The process include defining the topic, setting the scope, and collecting bibliographical data. The collected data is then screened and cleaned before being downloaded.

01



### Cleaning & Harmonising the Dataset

Part 2 involves assessing the data quality and checking for missing values, duplicates, and inconsistent formats. biblioMagika® is used to measure the performance and impact of literature as well as to clean and harmonise the dataset. This step is crucial before we can conduct further analysis for science mapping using VOSviewer & Biblioshiny.

02



### Mapping using VOSviewer & Biblioshiny

Part 3 focuses on conducting further bibliometric analysis using VOSviewer, and Biblioshiny. VOSviewer is used to visualise bibliometric networks. Biblioshiny is used to extend the bibliometric analysis focusing on the overall knowledge structure of literature.

03



### Drafting Paper for High Impact Journal

Part 4 involves preparing the bibliometric manuscript for submission to a high-impact journal. Participants will receive detailed guidance on crafting their manuscript to meet the standards and requirements of these prestigious journals. Additionally, a free manuscript template will be provided to facilitate the writing process.

04

**19-20 JULY 2024** Fee: **RM250.00**  
9:00 AM - 5:00 PM (UTC +8, MYT)  
ONLINE ZOOM MEETING



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# Mastering **BIBLIOMETRIC ANALYSIS**

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Bibliometric analysis is the key to unlocking insights into scholarly impact, citation patterns, and research trends within a given field. This workshop aims to provide a complete and holistic approach in mastering bibliometric techniques, enabling participants to navigate the complexities of scholarly data analysis with confidence and precision. This comprehensive workshop is the total and absolute knowledge foundation for researchers seeking to leverage bibliometrics to maximize the visibility and influence of their scholarly work. Participants who complete this workshop will emerge with a robust understanding of bibliometric principles and methodologies, equipped with practical skills to enhance their research impact through informed data analysis and strategic journal paper drafting.

## **OBJECTIVES**

This programme seeks to help you:

- Develop a solid understanding of key bibliometric concepts, techniques, and applications.
- Master the skills necessary to identify suitable topics for bibliometric study and set clear research objectives.
- Acquire proficiency in cleaning, harmonizing, and analyzing bibliographic data to ensure accuracy and reliability.
- Explore advanced tools such as biblioMagika®, VOSviewer, and Biblioshiny to conduct comprehensive bibliometric analysis efficiently.
- Gain practical experience in drafting high-impact bibliometric papers, including literature reviews, methodological design, result interpretation, and abstract writing, for submission to top-tier journals.

## **WHO SHOULD ATTEND**

The workshop is designed for researchers, academics, librarians, graduate students, and professionals interested in enhancing their understanding and proficiency in bibliometric analysis to optimize research impact and visibility.

## **METHODOLOGY**

The workshop methodology involves a combination of interactive lectures, hands-on exercises, demonstrations of bibliometric tools, case studies, Q&A sessions, practical application to participants' projects, resource sharing, evaluation, and follow-up support to ensure comprehensive learning and skill development.

## **WORKSHOP BENEFITS**

- Comprehensive workshop materials with over 500MB size of resources.
- Complimentary templates for writing and analysis.
- Video recordings with lifetime access.
- Post-workshop coaching through WhatsApp group.
- E-certificate provided upon completion.
- Exclusive discounts on facilitator's books.

## **WORKSHOP REQUIREMENTS**

Participants are required to install the OpenRefine, VOSviewer, R, and RStudio software before the workshop.

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## TENTATIVE PROGRAMME OUTLINE

DAY 1	
8.45 am - 9.00 am	Participants login to join the webinar
9.00 am - 10.30 am	<b>PART 1: GETTING THE DATASET</b> Introduction to bibliometric analysis Identifying the topic and scope of the study
10.30 am - 10.45 am	Break
10.45 am - 12.45 pm	Obtaining the dataset using proper techniques.
12.45 pm - 02.45 pm	Lunch Break and Friday Prayer
02.45 pm - 05.00 pm	<b>PART 2: CLEANING AND HARMONISING THE BIBLIOGRAPHICAL DATA</b> Accessing the data quality Analysis of essential data and producing bibliometrics results using biblioMagika® Utilizing OpenRefine for deep data cleaning and harmonization Preparing dataset for VOSviewer and Biblioshiny
05.00 pm	End of Day 1
DAY 2	
8.45 am - 9.00 am	Participants login to join the webinar
9.00 am - 10.30 am	<b>PART 3: CONDUCTING BIBLIOMETRIC ANALYSIS FURTHER USING VOSVIEWER AND BIBLIOSHINY</b> Visualising the bibliometric networks using VOSviewer Adjusting the appearance of maps and network graphs
10.30 am - 10.45 am	Break
10.45 am - 01.00 pm	Introduction to Bibliometrix and Biblioshiny Installing Bibliometrix R Package Developing the knowledge structure of the literature
01.00 pm - 02.30 pm	Lunch Break
02.30 pm - 05.00 pm	<b>PART 4: DRAFTING BIBLIOMETRIC ARTICLE FOR HIGH IMPACT JOURNAL</b> Drafting a comprehensive literature review, the materials and methods of the study and interpreting the results of the findings Discussing the implication of the results Introducing ChatGPT for data analysis and paper writing (Bonus)
05.00 pm	End of Workshop

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## **SPEAKER/TRAINER**

### **ASSOC. PROF. TS. DR. AIDI AHMI**

Dr. Aidi Ahmi is an Associate Professor at the Tunku Puteri Intan Safinaz School of Accountancy, Universiti Utara Malaysia (UUM). He obtained his Ph.D. in Information Systems and Computing from Brunel University London, United Kingdom. He is a member of the Malaysian Institute of Accountants (MIA) and has been recognized as a Professional Technologist (Ts.) by the Malaysia Board of Technologies (MBOT). Dr. Ahmi is also a lifetime member of the Malaysian Accounting Association (MyAA) and Internet Society (ISOC) Malaysia. Currently, he actively shares his knowledge of bibliometric analysis through workshops and training organized by higher learning institutions, associations, and training institutions. Dr. Aidi Ahmi is the author of four books on bibliometrics: "Bibliometric Analysis for Beginners", "Bibliometric Analysis using R for Non-Coders", "Bibliometric Analysis using biblioMagika®", and "Mastering Bibliometric Analysis with ChatGPT". He has also published numerous articles on bibliometric studies in high-impact journals. With over 100 journal article publications and successful supervision of eight Ph.D. graduates in the fields of accounting, information systems, auditing, and information and communication technology, he is actively engaged in academic research and mentorship. Additionally, Dr. Aidi Ahmi is involved in consulting projects and is currently participating in the Citation & Infometric Division, Ministry of Higher Education Malaysia, for the Bibliometric Project on the Performance of Malaysian Scholarly Outputs 2017-2021. For more information about him, please visit his website at [www.aidi-ahmi.com](http://www.aidi-ahmi.com)

## **TERMS & CONDITIONS FOR ONLINE WORKSHOP**

### **WEBINAR FEE**

- Fee is payable to ACADEMIC RESEARCH SOCIETY OF MALAYSIA
- Full payment shall be made at the point of online registration.
- Access to join the webinar shall be granted only upon full payment as per the above requirement.

### **WEBINAR ACCESS LINK**

- The Access Link will be emailed at least 24-hours before the commencement of the workshop.
- The Access Link should not be forwarded/shared with others.

### **PAYMENT MODE**

- Payment must be made through the online payment or bank transfer.
- Payment by cheque is NOT ACCEPTABLE.

### **CANCELLATION**

- No refunds will be made for participants who failed to join the workshop.
- Paid registration that is cancelled can opt to transfer the paid amount to future event(s).

### **CERTIFICATE OF ATTENDANCE**

- Participants will be issued with an e-certificate of attendance after they submit the post-course evaluation after the completion of the workshop.

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