

## **CALL FOR CHAPTER PROPOSALS**

**Proposal Submission Deadline:** December 30, 2016

### **HANDBOOK OF RESEARCH ON MEASURING AND EVALUATING SCIENTIFIC INFORMATION**

**A Book edited by Dr. J. John Jeyasekar and Dr. P. Saravanan**

To be published by IGI Global.

#### **Introduction**

Scientific information is being produced by individual scientific researchers and institutions at an exponential rate. This huge quantity of information is used to create science maps in-order-to visualise the structure of knowledge domains. Science maps spatially represent how disciplines, fields, specialties, and individual documents or authors are related to one another. They focus on monitoring a scientific field and delimiting research areas to determine their cognitive structures and their evolution. Science maps are useful tools to understand the state-of-the-art and disciplinary structure within an academic field as well as to analyse the emergence of research networks and collaborations. Science mapping tools and techniques provide representations of intellectual connections within the dynamically changing system of scientific knowledge.

Mapping and visualization of science is an emerging field of study. It reveals the realms of scientific communication as reflected through scientific literature and citation paths interwoven by individual scientists in their publication. Hence the book is of interest to individual researchers, research insitutions, science policy makers, research funding agencies, etc.

#### **Objective of the Book**

The objective of this book is to provide a comprehensive overview of the theoretical base of scientific research and science mapping, science mapping and visualization tools including software, and the techniques used for science mapping. This book will be immensely useful to the scientific researchers, science policy makers and research funding agencies.

#### **Target Audience**

Science policy makers, research funding agencies, research institutions, science researchers, Library and Information Science professionals and teachers, and University authorities will find this as a useful handbook.

#### **Recommended topics include, but are not limited to the following:**

Contributors are invited to submit chapters on the following topics relating to mapping and visualizing scientific research:

- Theories and Concepts of Scientific Research
- Status of Scientific Research in Developed Countries
- Status of Scientific Research in Developing Countries

- Tools and Techniques of Evaluating Scientific Research
- Science Mapping Tools and Techniques
- Issues in Science Mapping
- Research Trend Analysis
- Co-word Analysis, Co-citation Analysis, Co-author Analysis
- Impact of Scientific Research
- Visualization - Concepts, Tools and Techniques
- Multi-Dimensional Scaling
- Mapping and Visualization Software
- Case Studies on Science Mapping

### **Submission Procedure**

Researchers, Teachers and Library & Information Science Professionals are invited to submit on or before December 30, 2016, a chapter proposal of two to three page clearly explaining the objectives, mission, concerns of his / her proposed chapter. Authors of accepted proposals will be notified by January 30, 2017 about the status of their proposals and sent chapter guidelines. Full chapters are expected to be submitted by April 30, 2017. All authors are required to consult the guidelines for manuscript submissions at <http://www.igi-global.com/publish/contributor-resources/before-you-write/> prior to submission. All submitted chapters will be reviewed on a double-blind review basis. Contributors may also be requested to serve as reviewers for this project.

Note: There are no submission or acceptance fees for manuscripts submitted to this book publication, *Handbook of Research on Measuring and Evaluating Scientific Information*. All manuscripts are accepted based on a double-blind peer review editorial process.

All proposals should be submitted through the E-Editorial Discovery<sup>TM</sup> online submission manager.

### **Publisher**

This book is scheduled to be published by IGI Global (formerly Idea Group Inc.), publisher of the “Information Science Reference” (formerly Idea Group Reference), “Medical Information Science Reference” imprints. For additional information regarding the publisher, please visit [www.igi-global.com](http://www.igi-global.com). This book is expected to be released in 2017.

### **Important Dates**

<b>December 30, 2016:</b>	<b>Proposal Submission Deadline</b>
<b>January 30, 2017:</b>	<b>Notification of Acceptance</b>
<b>April 30, 2017:</b>	<b>Full Chapter Submission</b>
<b>June 30, 2017:</b>	<b>Review Results Returned</b>
<b>July 30, 2017:</b>	<b>Final Chapter Submission</b>
<b>August 15, 2017:</b>	<b>Final Deadline</b>

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