

CALL FOR BOOK CHAPTERS

For Edited Book

Open Science: Practices, Opportunities and Challenges



(Routledge has expressed interest in the publication of this book)

Important Dates

Proposal/Abstract submission: **25 March 2022**

Notification of initial editorial decisions: **01 April 2022**

Submission of full-length chapters: **10 May 2022**

Notification of final editorial decisions: **01 June 2022**

Submission of revised chapters: **15 June 2022**

About the Topic and Book

Open Science is a new approach to digital scholarship that emphasizes collaboration and new means of disseminating knowledge through digital technologies and collaborative tools. Open Science practices promote openness, integrity, and transparency of research by discouraging research misconduct and resulting in greater sharing, accountability, reproducibility, and trustworthiness of scientific materials and results.

This book attempts to provide a detailed examination of the effectiveness of Open Science practices and explore emerging areas of its application. This book will:

- Describe the concepts of Open Science and explain the benefits of its application.
- Examine the research practices in open research, including sharing research material, procedure, and data.
- Investigate the Open Access availability of scientific research across countries, disciplines, and institutions.
- Evaluate the impact of open data licensing, data sharing, and open-access policies of journals/publishers on scientific communication and digital scholarship.
- Investigate the use of Open Science tools in research practices.

Submission Process

- Academicians, researchers, independent scholars, and practitioners are invited to submit a book chapter proposal of 300-400 words clearly explaining the topic and objectives of the proposed chapter.
- The proposal must be submitted through this [Google Form Link](#)
- No publication fee from the author(s).

Themes

We expect book chapters (in the form of conceptual paper, research articles, review articles, and case studies) from scholars of different countries and regions, covering a wide range of methodological approaches on any of the following themes:

- Open Science: Concepts, frameworks, equity, and benefits of open research practices.
- Development of Open Science: Operational models, barriers, solutions, and opportunities.
- Open Data: Open big data, open government data, open data standards, data sharing, data use, and reuse.
- Open Access: Open access initiatives, open access publishing (gold, green, and hybrid), open access mandates and policies, barriers to open access publishing.
- Adoption of Findable, Accessible, Interoperable, and Reusable (FAIR) principle in research practices.
- Open Reproducible Research: Producibility studies, open science workflows, open sources in open science, reproducibility guidelines, testing, and open lab.
- Open Science Policies: Funder policies, government policies, institutional policies, data sharing policies of journals/publishers.
- Open Science Tools: Open data repositories, open educational resources, academic social networks, open services, and open workflow tools.
- Open Science Evaluation: open peer-review models, open metrics and impact, data protection, and ethics.

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