

CALL FOR CHAPTERS

Researchers, academicians, scientists, and professionals working in medicinal plants, environmental biotechnology, artificial intelligence, metabolomics, microbiology, and sustainable agriculture are cordially invited to contribute high-quality book chapters to the upcoming **edited book** entitled:

Indian Medicinal Plants with Antidiabetic Activity: Folklore, Phytochemistry, and Experimental Pharmacology

About the Publisher

The Innovis Scientia Foundation (<https://www.innovisscientia.org>) is a not-for-profit (Section-8) organization committed to advancing scientific research, academic excellence, and knowledge sharing. We aim to provide a credible and ethical platform for researchers, academicians, and professionals to publish their work globally.

About the Book

Diabetes mellitus will continue to pose a major global health challenge, creating an increasing demand for safe, effective, and affordable therapeutic agents. India, with its rich biodiversity and long-standing traditions of Ayurveda, Siddha, Unani, and tribal folklore, will remain an invaluable source of medicinal plants used for the prevention and management of diabetes. Although numerous Indian medicinal plants have been traditionally used for glycemic control, their scientific validation is currently scattered across the ethnobotanical, phytochemical, and pharmacological literature. This book will consolidate this information into a single, comprehensive, evidence-based reference.

The book will systematically document Indian medicinal plants with reported antidiabetic activity supported by folkloric use, traditional medicine, phytochemical investigations, and experimental pharmacological studies. It will critically integrate traditional knowledge with modern scientific evidence to provide a holistic understanding of the therapeutic potential of these plants. Each chapter will focus on an individual medicinal plant and will include its botanical classification, taxonomy, geographical distribution, vernacular names, traditional and ethnomedicinal uses, phytochemical constituents, extraction and isolation methods, and reported bioactive compounds. The available in vitro and in vivo pharmacological studies will be comprehensively reviewed, highlighting the experimental models, efficacy, mechanisms of action, and therapeutic relevance of each. Where available, information on toxicity, safety, standardization, quality control, pharmacokinetics, and clinical investigations will also be presented to facilitate the translation of laboratory findings into potential therapeutic applications.

The book will further discuss the molecular mechanisms responsible for the antidiabetic effects of medicinal plants, including enhancement of insulin secretion, improvement of insulin sensitivity, inhibition of α -glucosidase and α -amylase, modulation of glucose transporters, antioxidant and anti-inflammatory activities, protection of pancreatic β -cells, regulation of carbohydrate and lipid metabolism, and prevention of diabetes-associated complications. A

critical analysis of the quality and strength of the available evidence will be provided, along with the limitations of existing studies and future research priorities.

Designed as an authoritative reference, the book will serve researchers, academicians, postgraduate students, medicinal chemists, pharmacognosists, ethnopharmacologists, pharmaceutical scientists, clinicians, and professionals in the herbal and nutraceutical industries. By bridging traditional medicinal knowledge with contemporary phytochemistry and experimental pharmacology, the volume will provide a valuable resource for advancing evidence-based research and facilitating the discovery and development of novel plant-derived antidiabetic agents.

Submission Guidelines

Chapter formatting must strictly adhere to the guidelines of Innovis Scientia Foundation Publications, as provided on the official website (<https://www.innovisscientia.org/publish>).

Authors are requested to submit their chapters via the online submission portal provided on the Foundation's official website or through the Google Form link: <https://forms.gle/caYfhFRk5zmGxdEH8>. In case of any difficulty, email at innovisscientia@gmail.com

- Original and unpublished chapters are invited.
- Chapters should not be under consideration elsewhere.
- All submitted chapters will undergo peer review.
- Authors are encouraged to include an abstract, illustrative figures, and recent references.
- Similarity index must comply with standard academic publishing ethics.
- Use of AI tools, if any, must be stated in terms of declaration at the end of each chapter. This is mandatory for all.

Target Audience

- Researchers and academicians
- Plant scientists and microbiologists
- Environmental biotechnologists
- Computational biologists and bioinformaticians
- Pharmaceutical and agricultural scientists
- Postgraduate and doctoral students
- Policy makers and industry professionals

Publication Charges

NO Article Processing Charges (APC) for the publication of book chapters. Each book will be available online with a definite ISBN, free of charge. The hard copies may be purchased from the ONLINE PLATFORMS, as usual.

However, if authors want a DOI for their contributed chapters, Rs. 1000/- per chapter will be charged towards this facility.

Proposed Timeline

Submission of Chapter Title and Abstract	[July 20, 2026]
Acceptance of Proposal	[July 25, 2026]
Full Chapter Submission	[September 15, 2026]
Review Notification	[September 30, 2026]
Final Revised Submission	[October 20, 2026]
Final Acceptance	[October 30, 2026]
Expected Publication	[November 20, 2026]

Editor**Dr. Harish C. Upadhyay**

Assistant Professor of Chemistry

Department of Applied Sciences

Rajkiya Engineering College

(Affiliated with Dr. A.P.J. Abdul Kalam Technical University, Lucknow)

Churk, Sonbhadra-231206, India

Email: harishcu@gmail.com, harishcu@recsonbhadra.ac.in

Cell.: +91-9415164409