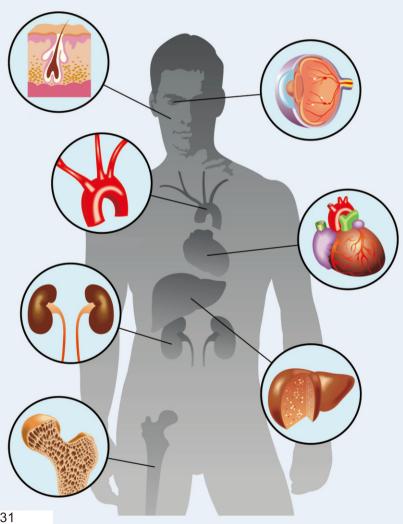


# Journal of Diabetes Mellitus





# **Journal Editorial Board**

https://www.scirp.org/journal/jdm

.....

Editor-in-Chief

Prof. Sharma S. Prabhakar Texas Tech University Health Sciences Center, USA

**Associate Editor-in-Chief** 

Prof. Udaya M. Kabadi University of Iowa, USA

**Editorial Board** 

**Dr. Intekhab Ahmed**Thomas Jefferson University, USA

Prof. Bahram H. Arjmandi Florida State University, USA

**Prof. David A. Arnall** East Tennessee State University, USA

Dr. Sandra Maria Barbalho Medical School of Marilia, Brazil

Dr. Vivek Bhalla Stanford University, USA

**Prof. Bertrand Cariou** Nantes University Hospital, France

**Prof. Dmitry A. Chistyakov** Pirogov Russian State Medical University, Russia

**Prof. Fernando Cordido**University of A Coruña, Spain

**Prof. Franco Battista Ennio Folli** University of Texas, USA

Prof. Bruce H. Francis Eisai Inc., USA

Dr. Xianxin HuaUniversity of Pennsylvania, USAProf. Junyan LiUniversity of Kentucky, USAProf. Abbas Ali MansourBasrah College of Medicine, Iraq

Dr. Felicia V. Nowak Ohio University, USA

**Prof. Kazushi Okamoto** Aichi Prefectural College of Nursing & Health, Japan

**Prof. Fernando Ovalle** University of Alabama, USA

Prof. Teresa Quattrin State University of New York, USA
Prof. Satyan M. Rajbhandari Chorley & South Ribble Hospital, UK

**Prof. Edson da Silva** Federal University of Jequitinhonha and Mucuri Valleys, Brazil

Prof. G. R. SridharAndhra University, IndiaProf. Abraham ThomasHenry Ford Hospital, USA



Volume 13 Number 4

ISSN Online: 2160-5858 ISSN Print: 2160-5831

November 2023

# **Table of Contents**

Prevalence and Correlates of Macrovascular Complications at Type 2 Diabetes Diagnosis in a Tertiary Hospital in Yaoundé, Cameroon	
F. M. Ekobena, M. C. E. Etoga, M. Dehayem, C. L. N. Yon, P. N. Balôgôg,	
G. D. Mvogo, A. P. Kengne, E. Sobngwi, J. C. Mbanya	269
The Principles of Insulin Management of Type 2 Diabetes Mellitus	
L. B. Kawa, H. Alexander	284
Roles of the <i>Apolipoprotein E</i> Gene and Its Polymorphisms in the Etiopathophysiology of Type 2 Diabetes Mellitus and Its Atherosclerotic Complication in Senegalese Females	
M. Touré, F. D. Agne, A. Dieng, R. N. Diallo, L. Gueye, A. Samb	300
Association between Hyperhomocysteinemia and Microangiopathic Complications (Neuropathy and Nephropathy) in Subjects with Type 1 and Type 2 Diabetes	
N. O. K. Barry, S. Gueye, M. Djité, P. M. Kandji, M. A. Ndour, E. H. M. Ndour, D. Diedhiou,	
F. Gueye-Tall, N. M. Thioune, N. F. Coly, D. Doupa, M. N. Mbaye, P. L. Sall, P. M. Gueye	325

# Journal of Diabetes Mellitus (JDM) Journal Information

#### SUBSCRIPTIONS

The *Journal of Diabetes Mellitus* (Online at Scientific Research Publishing, <a href="https://www.scirp.org/">https://www.scirp.org/</a>) is published quarterly by Scientific Research Publishing, Inc., USA.

#### Subscription rates:

Print: \$79 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

#### **SERVICES**

#### Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

#### Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: sub@scirp.org

#### **COPYRIGHT**

#### Copyright and reuse rights for the front matter of the journal:

Copyright © 2023 by Scientific Research Publishing Inc.

This work is licensed under the Creative Commons Attribution International License (CC BY).

http://creativecommons.org/licenses/by/4.0/

#### Copyright for individual papers of the journal:

Copyright © 2023 by author(s) and Scientific Research Publishing Inc.

#### Reuse rights for individual papers:

Note: At SCIRP authors can choose between CC BY and CC BY-NC. Please consult each paper for its reuse rights.

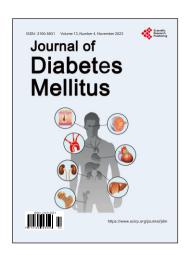
#### Disclaimer of liability

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

#### PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: jdm@scirp.org



# **Journal of Diabetes Mellitus**

ISSN: 2160-5831 (Print) ISSN: 2160-5858 (Online)

https://www.scirp.org/journal/jdm

JDM is an international journal dedicated to the current developments of Diabetes Mellitus, the broad scope will also include significant research in the fields of pathology and therapeutic innovations of diabetes itself, both type I and II.

#### Editor-in-Chief

Prof. Sharma S. Prabhakar Texas Tech University Health Sciences Center, USA

#### Associate Editor-in-Chief

Prof. Udaya M. Kabadi University of Iowa, USA

#### Editorial Board

Dr. Intekhab Ahmed Prof. Bahram H. Arjmandi Prof. David A. Arnall Dr. Sandra Maria Barbalho Dr. Vivek Bhalla Prof. Bertrand Cariou Prof. Dmitry A. Chistyakov Prof. Fernando Cordido Prof. Franco Battista Ennio Folli Prof. Bruce H. Francis Dr. Xianxin Hua Prof. Junyan Li Prof. Abbas Ali Mansour Dr. Felicia V. Nowak Prof. Kazushi Okamoto Prof. Fernando Ovalle Prof. Teresa Quattrin Prof. Satyan M. Rajbhandari Prof. Edson da Silva Prof. G. R. Sridhar Prof. Abraham Thomas

### Subject Coverage

All manuscripts submitted to JDM must be previously unpublished and may not be considered for publication elsewhere at any time during review period. Additionally, accepted ones will immediately appear online followed by printed in hard copy. The journal publishes original papers including but not limited to the following fields:

- Cardiovascular Diabetology
- Diabetes and Its Complications
- Diabetes and Metabolic Syndrome
- Diabetes and Metabolism
- Diabetes and Vascular Disease
- Diabetes Care
- Diabetes Education
- Diabetes in Developing Countries
- Diabetes Nursing
- Diabetes Research and Clinical Practice

- Diabetes Therapy
- Diabetes, Obesity and Metabolism
- Diabetic Medicine
- Pancreatic Islet Function and Intermediary Metabolism
- Pathogenesis of Diabetes
- Pediatric Diabetes
- Pharmacological Mechanisms of Drug and Hormone Action
- Primary Care Diabetes
- Therapies for Diabetic Complications

We are also interested in short papers (letters) that clearly address a specific problem, and short survey or position papers that sketch the results or problems on a specific topic. Authors of selected short papers would be invited to write a regular paper on the same topic for future issues of the *JDM*.

## **Notes for Intending Authors**

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Paper submission will be handle electronically through the website. All papers are refereed through a peer review process. Authors are responsible for having their papers checked for style and grammar prior to submission to JDM. For more details about the submissions, please access the website.

#### Website and E-Mail

#### What is SCIRP?

Scientific Research Publishing (SCIRP) is one of the largest Open Access journal publishers. It is currently publishing more than 200 open access, online, peer-reviewed journals covering a wide range of academic disciplines. SCIRP serves the worldwide academic communities and contributes to the progress and application of science with its publication.

#### What is Open Access?

All original research papers published by SCIRP are made freely and permanently accessible online immediately upon publication. To be able to provide open access journals, SCIRP defrays operation costs from authors and subscription charges only for its printed version. Open access publishing allows an immediate, worldwide, barrier-free, open access to the full text of research papers, which is in the best interests of the scientific community.

- High visibility for maximum global exposure with open access publishing model
- Rigorous peer review of research papers
- Prompt faster publication with less cost
- Guaranteed targeted, multidisciplinary audience





Website: https://www.scirp.org Subscription: sub@scirp.org Advertisement: service@scirp.org