



# Journal, Indian Academy of Clinical Medicine

## EDITORIAL BOARD

### Editor

Sumeet Singla (New Delhi)

### Associate Editor

Vipin Mediratta (New Delhi)

### Secretary

Amit Aggarwal (New Delhi)

### Members

MPS Chawla (New Delhi)

DG Jain (New Delhi)

BB Rewari (New Delhi)

Smarajit Banik (Siliguri)

### Ex-officio Members

HS Pathak (24 Parganas)

BL Bhardwaj (Patiala)

Suresh Kushwaha (Agra)

## ADVISORY BOARD

AK Agarwal (Noida)

HK Aggarwal (Rohtak)

Sunita Aggarwal (New Delhi)

Navneet Agrawal (Gwalior)

KS Anand (New Delhi)

S Anuradha (New Delhi)

Ashish Bhalla (Chandigarh)

Rohit Bhatia (New Delhi)

Pradip Bhaumik (Agartala)

Debasis Chakrabarti (Siliguri)

Kamal Chopra (New Delhi)

MK Daga (New Delhi)

Desh Deepak (New Delhi)

RK Dhamija (New Delhi)

RM Dhamija (New Delhi)

Dipanjan Bandyopadhyay (Kolkata)

Dhiman Ganguly (Kolkata)

Ajai Kumar Garg (Greater Noida)

Jyoti Garg (New Delhi)

Sandeep Garg (New Delhi)

Soumitra Ghosh (Kolkata)

AK Gupta (Agra)

Subhash C Gupta (Agra)

Anil Gurtoo (New Delhi)

R Handa (New Delhi)

BM Hegde (Mangalore)

PK Jain (Jhansi)

Pulin Kumar Gupta (New Delhi)

SK Jain (New Delhi)

VK Katyal (Rohtak)

Madhuchanda Kar (Kolkata)

VN Kaushal (Agra)

Rajesh Khadgawat (New Delhi)

Anil Kulshrestha (Ahemdabad)

Bindu Kulshrestha (New Delhi)

Ajay Kumar (Patna)

Rajat Kumar (Canada)

BM Singh Lamba (New Delhi)

Manoranjan Mahapatra (N. Delhi)

Sanjiv Maheshwari (Ajmer)

Girish Mathur (Kota)

Alladi Mohan (Tirupati)

Sukumar Mukherjee (Kolkata)

G Narsimulu (Hyderabad)

MV Padma (New Delhi)

RP Pai (Mangalore)

Jyotirmoy Pal (Talbukur)

V Palaniappen (Dindigul)

Jayanta Kumar Panda (Cuttack)

KK Pareek (Kota)

Anupam Prakash (New Delhi)

Prashant Prakash (Agra)

Rakesh Sahay (Hyderabad)

Brijesh Sharma (New Delhi)

DC Sharma (Udaipur)

Ashok Shiromany (Agra)

RPS Sibia (Patiala)

G Sidhu (Ludhiana)

RK Singal (New Delhi)

Devender Prasad Singh (Bhagalpur)

Harpreet Singh (Rohtak)

MP Singh (Agra)

Rajnish Singh (New Delhi)

TP Singh (Agra)

Nitin Sinha (New Delhi)

Shyam Sunder (Varanasi)

SH Talib (Chhatrapati Sambhaji Nagar)

RS Taneja (New Delhi)

Nihal Thomas (Vellore)

Manjari Tripathi (New Delhi)

Sanjay Tyagi (New Delhi)

Rajesh Upadhyay (New Delhi)

SK Verma (Dehradun)

GS Wander (Ludhiana)

Pushpa Yadav (New Delhi)

# JOURNAL, INDIAN ACADEMY OF CLINICAL MEDICINE

is edited by

**Dr. Sumeet Singla**

for the

**Indian Association of Clinical Medicine**

*Headquarters :*

Post-Graduate Department of Medicine, Sarojini Naidu Medical College, Mahatma Gandhi Road, Agra - 282 002 (U.P.)

## **Editorial/Mailing Address**

108 SFS Flats, Ashok Vihar, Phase-4, New Delhi - 110 052

Tel.: 9818143960

**E-mail: [iacmjjournal@gmail.com](mailto:iacmjjournal@gmail.com)**

ISSN 0972-3560

RNI Regn. No. : DELENG/2000/1686

**Indexed in Scopus, IndMED**

**Listed in UGC Approved List of Journals**

**"Bibliographic details of the journal available in ICMR-NIC's database – IndMED (<http://indmed.nic.in>). Full-text of articles (from 2000 onwards) available on medIND database (<http://medind.nic.in>)."**

The statements and opinions contained in the articles of the  
**'Journal, Indian Academy of Clinical Medicine'**  
are solely those of the individual authors and contributors. The publisher and honorary editor disclaim any responsibility about the originality of contents. All the articles, however, are peer-reviewed.

The editor and publisher disclaim any responsibility or liability for the claims, if any, made by advertisers.

Papers which have been published in this *Journal* become the property of the *JACM* and no part of this publication may be reproduced, or published in any form without the prior written permission of the editor.

Published by Dr. Sumeet Singla  
for and on behalf of the Indian Association of Clinical Medicine  
from 108 SFS Flats, Ashok Vihar, Phase-4, New Delhi - 110 052  
and printed by him at Sumit Advertising, 2 DLF (Part) Industrial Area, Moti Nagar, New Delhi - 110 015.



# Indian Association of Clinical Medicine

*Headquarters:*

Post-Graduate Department of Medicine, Sarojini Naidu Medical College,  
Mahatma Gandhi Road, Agra - 282 002 (U.P.)

**Founder-President: MC Gupta (Agra)**

## GOVERNING BODY

### **President**

MPS Chawla (New Delhi)

### **President-Elect**

BL Bhardwaj (Patiala)

### **Immediate Past-President**

HS Pathak (24 Parganas)

### **Vice-Presidents**

TP Singh (Agra)

Sujit Kumar (Biharsharif)

### **Hony. General Secretary**

Suresh Kushwaha (Agra)

### **Hony. Treasurer**

MP Singh (Agra)

### **Hony. Editor, JIACM**

Sumeet Singla (New Delhi)

### **Associate Editor, JIACM**

Vipin Mediratta (New Delhi)

### **Members**

Tarun Satija (Ludhiana)

Prashant Prakash (Agra)

Gurinder Mohan (Amritsar)

Virendra K Goyal (Jaipur)

SPS Chauhan (Ferozabad)

Anil Kulshrestha (Ahemdabad)

DP Singh (Bhagalpur)

Smarajit Banik (Siliguri)

### **Zonal Members**

#### **North Zone**

Vikas Loomba (Ludhiana)

#### **South Zone**

S Chandrasekar (Chennai)

#### **East Zone**

Sujoy Sarkar (Malda)

#### **West Zone**

Deepak Gupta (Jaipur)

#### **Central Zone**

Vijay Garg (Ujjain)

### **Organising Secretary**

(IACMCON-2025)

Pritam Singh (Chandigarh)

### **Organising Secretary**

(IACMCON-2024)

DC Sharma (Udaipur)

### **Joint Secretaries**

Ashutosh Kumar Karn (New Delhi)

Ajeet Singh Chahar (Agra)

Amit Aggarwal (New Delhi)