

ISSN 0445-7706

# IJOT

Volume : 48

Issue : 2

May - August 2016



The Indian  
**JOURNAL**  
*of* **OCCUPATIONAL**  
**THERAPY**

**An Official Publication of The All India Occupational Therapists' Association**  
(Since 1956)

Regd. with Office of Registrar of News Papers of India wide Regd. No. 1653/57



May, 2016 - August, 2016 | Volume : 48, Issue : 2

# The Indian Journal of Occupational Therapy

Registered with Office of Registrar of News Papers of India vide Registration No. 1653/57

An Official Publication (since 1956) of  
**ALL INDIA OCCUPATIONAL THERAPISTS' ASSOCIATION**

Founder Council Member World Federation of Occupational Therapists  
Registered Under Bombay Public Trust Act, Bom. 1950-E-1118

Website : [http://aiota.org/about\\_ijot.asp](http://aiota.org/about_ijot.asp)

ISSN 0445-7706

## Editorial Board : 2016-2020



**Editor-in-Chief**

**Dr. Anil K. Srivastava**

B.Sc., O.T.D., D.Y.Ed., P.G. (Rehab), FACOT  
Lucknow



**Editor**

**Dr. Shashi Oberai**

MSc (OT), PGCR, PGCCR  
Navi Mumbai



**Associate Editor**

**Dr. Punita V. Solanki**

MSc (OT), ADCR  
Mumbai



**Assistant Editor**

**Dr. Lakshmanan S**

MOT  
Bangalore



**Assistant Editor**

**Dr. Nitesh K. Shrivastav**

MOT  
Lucknow



**IJOT Website Convener**

**Dr. Joseph Sunny**

MOT  
Cochin

## Review Board Members

**Dr. Anita D. Gupta, India**  
*Work Rehabilitation, Developmental Disability*

**Dr. Anuradha V. Pai, India**  
*Neuro-Musculoskeletal Sciences, Teaching Technology*

**Dr. Ashley Jayapaul, Singapore**  
*Child/Adolescent Mental Health, Adult Neurodevelopmental Disorders*

**Dr. Chavan Shashidhar Rao, Kuwait**  
*Developmental Disability*

**Dr. Harsh Vardhan, New Zealand**  
*Pervasive Developmental Disorders*

**Dr. Jayashri S. Kale, India**  
*Cardio-Pulmonary Sciences, Neuroscience*

**Dr. Joseph K. Wells, USA**  
*Community Based Health, Ethics & Management*

**Dr. Jyothika N. Bijlani, India**  
*Neuro-Developmental Disorders*

**Dr. Kamal Narayan Arya, India**  
*Neuroscience, Physical Rehabilitation*

**Dr. Nandu Nandoskar, Australia**  
*Ergonomics, Occupational Health and Safety*

**Dr. Neeraj Mishra, India**  
*Neurosciences, Developmental Disabilities*

**Dr. Odette Gomes, India**  
*Mental Health*

**Dr. Pankaj Bajpai, India**  
*Locomotor Disability & Developmental Disability*

**Dr. Pratibha M. Vaidya, India**  
*Hand Therapy, Pediatric Rehabilitation*

**Dr. R. K. Sharma, India**  
*Sports Injury, Hand Rehabilitation*

**Dr. Sanjay K, Singapore**  
*Neuro-Developmental Disorders, Sensory Processing Disorders*

**Dr. Sebestina Anita Dsouza, India**  
*Neuroscience, Ergonomics, Geri-Care*

**Dr. Shailaja S. Jaywant, India**  
*Developmental Disability, Musculoskeletal Sciences*

**Dr. Shovan Saha, India**  
*Hand Rehabilitation, Assistive Technology*

**Dr. Sujata Missal, India**  
*Neuroscience, Ergonomics*

**Dr. Sunita Koutarapu, India**  
*Musculoskeletal & Sports Sciences, Teaching Technology*

**Dr. Suryakumar Shah, USA**  
*Neuro-Musculoskeletal Rehabilitation, Geri-Care, Epidemiology*

**Dr. Vaithi M. Perumal, Saudi Arabia**  
*Developmental Disability, Mental Health*

**Dr. Vijay Suple, Canada**  
*Community Based Rehabilitation, Physical Rehabilitation*

**Dr. Zarin D. Ferzandi, India**  
*Mental Health, Neurosciences*

## Contact Details

Submission of News,  
Academic Events and  
Information

**Editor**  
**Dr. Shashi Oberai**

06, Anita Villa,  
Plot No.: 39, Sector 12, Vashi,  
Navi Mumbai-400703,  
Maharashtra, India  
Mobile No.: +91-9820962641  
Email:  
editor.ijot@aiota.org

Submission of  
Manuscripts and Letters  
and Enquiry about status of  
Submissions

**Associate Editor**  
**Dr. Punita V. Solanki**

NM Medical, Sej Plaza,  
Marve Road, Off. S. V. Road,  
Malad West, Mumbai-400064,  
Maharashtra, India  
Mobile No.: +91-9820621352  
Email:  
asso.editor.ijot@aiota.org

Invitation to Authors for  
Manuscript Submission,  
Promotion and Updates on  
Indexing

**Assistant Editor (Promotion)**  
**Dr. Lakshmanan S**

Centre for Addiction Medicine,  
National Institute of Mental Health  
and Neurosciences, Hosur Road,  
Bengaluru-560029, Karnataka, India  
Mobile No.: +91-9902652502  
Email:  
asst.editor.p.ijot@aiota.org

Requests for Subscription,  
Complaints for Non-Receipt of  
Journals and Placement of  
Advertisements

**Assistant Editor (Subscription)**  
**Dr. Nitesh K. Shrivastav**

2/302, Vivek Khand,  
Gomti Nagar,  
Lucknow-226010,  
Uttar Pradesh, India  
Mobile No.: +91-8853263445  
Email:  
asst.editor.s.ijot@aiota.org

*Donations are exempted from Income-tax under Section 80G*

# The Indian Journal of Occupational Therapy

## Editorial Statement

- ❖ **The Indian Journal of Occupational Therapy (IJOT) shall be published quarterly (four times a year), as Issue 1: (January-March), Issue 2: (April-June), Issue 3: (July-September) and Issue 4: (October-December): effective from January, 2017.**
- ❖ The IJOT Issues for the year 2016 will continue as: Issue 1: (January-April), Issue 2: (May-August) and Issue 3: (September-December). The latest (Version: April, 2016) '**Guidelines to Authors for Submission**' will be available in Issue 2: (May-August), 2016, IJOT as well as on the AIOTA/IJOT website, for the year 2016.
- ❖ **Please Note: From January, 2017 onwards the 'Guidelines to Authors for Submission' will be available only on the AIOTA/IJOT website, for download.**
- ❖ The official language of the Journal is American English.
- ❖ The Journal's editorial board welcomes submissions of original scientific research papers, editorials, reviews, case reports, preliminary articles and conference abstracts, on all aspects of Occupational Therapy. IJOT also includes publications of book reviews & letters to the editor.
- ❖ IJOT editorial board welcomes contributions/announcements on news, academic events and information related to Occupational Therapy and rehabilitative aspects from all over the world.
- ❖ **Submissions:** Manuscripts and Letters to the Associate Editor; Write-up on News, Academic Events, and Information to the Editor; and Editorial and Book-Reviews to the Editor-in-Chief of IJOT.

**Circulation:** IJOT is circulated to all members of AIOTA (within the territory of Indian subcontinent and it would be subject to AIOTA's discretion to post the Journal overseas). However, others also, may subscribe the Journal. All registered members of AIOTA will also have online access to full-text IJOT articles (in PDF format) at the AIOTA website with login.

### Subscription Rates (Inclusive of Postage)

#### Current Rates (Till December, 2016)

**INDIA:** Inclusive of postage by Registered/Speed Post

- Single Issue: Rs. 350.00
- Annual Subscription (Three issues/year): Rs.1200.00

**FOREIGN:** Inclusive of postage by Air-mail

- Single Issue: US \$ 25.00 (or Equivalent to Indian Currency)
- Annual Subscription (Three issues/year): US \$ 70 (or Equivalent to Indian Currency)

#### Revised Rates (Effective from January, 2017)

**INDIA:** Inclusive of postage by Registered/Speed Post

- Single Issue: Rs. 550.00
- Annual Subscription (Four issues/year): Rs.2000.00

**FOREIGN:** Inclusive of postage by Air-mail

- Single Issue: US \$ 30.00 (or Equivalent to Indian Currency)
- Annual Subscription (Four issues/year): US \$ 110 (or Equivalent to Indian Currency)

**Payments:** All payments to be made by Demand Draft/Multicity Cheques in favour of "All India Occupational Therapists' Association" payable at Mumbai and preferably from nationalized banks and be sent to Editor-in-Chief, IJOT (subscription rates are subject to revision).

**Advertisement:** The Journal offers good opportunities for advertising. Prospective advertisers may contact Editor, IJOT for commercial information.

**Disclaimer:** The Editor disclaims any responsibility or liability for statements made, opinion expressed or claims made by authors, readers and advertisers.

**Copyright & Photocopying Rights:** No part of the publication may be reproduced or transmitted in any form by any means, electronically or mechanically, without the written permission from the Editor. The Editorial Board reserves the right to refuse any matter for publication and decision of the Board must be accepted as the final.

### Editorial Office

**Dr. Anil K. Srivastava**

93, Laxmanpuri, Faizabad Road, Lucknow-226016, Uttar Pradesh, India

**Mobile:** +91-9415405095, +91-9415415095 | **Tel. No. (Res):** +91-0522-2350482

**Official Email:** editorinchief.ijot@aiota.org | **Alternate Email:** aiota.ak@gmail.com, anilsrivastava20@yahoo.co.in

**Website:** www.aiota.org

### Indexing Status of the Journal (Current)

1. The Bibliographic details of the Indian Journal of Occupational Therapy is available in ICMR-NIC Centre's IndMED database: <http://indmed.nic.in>
2. For full text Data Base of the Journal at ICMR-NIC Centre, India site: [www.medind.nic.in](http://www.medind.nic.in)
3. EBSCO Publishing's Data Base, USA: [www.epnet.com](http://www.epnet.com)
4. OTD Base, Canada (Abstracts of the Journal): [www.otdbase.org](http://www.otdbase.org)
5. German Portal of Occupational Therapy: [www.ergothemen.de](http://www.ergothemen.de)
6. Informatics India, Bangalore: [www.j-gate.informindia.co.in](http://www.j-gate.informindia.co.in)
7. CNKI Scholar, China: [www.english.cnki.net](http://www.english.cnki.net)
8. Indian Citation Index: [www.indiancitation.com](http://www.indiancitation.com)
9. OTseeker, Australia (Abstracts of the Journal): [www.otseeker.com](http://www.otseeker.com)

# ALL INDIA OCCUPATIONAL THERAPISTS' ASSOCIATION

## EXECUTIVE COMMITTEE

2016-2020

### PRESIDENT

#### Dr. Anil K. Srivastava

93, Laxmanpuri, Faizabad Road,  
Lucknow- 226 016, UP  
M: +91-9415405095, 09415415095  
Ph(R): +91-0522-2350482  
Official Email : president@aiota.org  
Alternate Email : aiota.ak@gmail.com,

### VICE PRESIDENT

#### Dr. Shashi Oberai

06, Anita Villa, Plot #39,  
Sector 12, Vashi, Navi Mumbai 400703  
M: +91-9820962641  
Official Email : vicepresident@aiota.org  
Alternate Email : shashioberai@gmail.com

### HONORARY SECRETARY

#### Dr Satish S. Maslekar

B1, Dwarka Sadan,  
Opposite Akashwani Kendra,  
Near Kapahatiya Hospital,  
Aurangabad (431005),  
Maharashtra,  
M: +91-9822344021  
Official Email : secretary@aiota.org  
Alternate Email : s\_maslekar@yahoo.com

### HONORARY TREASURER

#### Dr. Pratibha M. Vaidya

O.T. School & Centre  
T.N. Medical College & BYL Nair Ch. Hospital  
OPD 21, M. Bldg., Dr. A.L. Nair Road,  
Mumbai Central, Mumbai 400 008  
M: +91-9821536404  
Ph(R): +91-022-28982208  
Official Email : treasurer@aiota.org  
Alternate Email : pmv25@rediffmail.com

### EX-OFFICIO MEMBER

#### Dr. (Mrs.) Z. D. Ferzandi,

M: +91-9820742360  
Email : zarine.ferzandi@gmail.com

### EXECUTIVE MEMBERS

#### Dr. S. K. Meena, Jaipur

M: +91-9414058796 | Email : skmeena@rediffmail.com

#### Dr. Joseph Sunny, Cochin

M: +91-9600005002 | Email : josephsunnymot@gmail.com

#### Dr. Amitabh Dwivedi, Jaipur

M: +91-9785400214 | Email : akdwivedi123@yahoo.com

#### Dr. Neeraj Mishra, New Delhi

M: +91-9990663836 | Email : neeraj\_1\_ot@yahoo.co.in

### CO-OPTED E.C. MEMBERS

#### Dr. R.K. Sharma, Gurgaon

M: +91-9811147423 | Email : kumarrk52003@yahoo.co.in

#### Dr. Lalit Narayan, New Delhi

M: +91-9810806492 | Email: lalitot1966@gmail.com

### Academic Council of Occupational Therapy 2016-2020

#### EXECUTIVE CHAIRMAN

#### Dr. Anil K. Srivastava

President AIOTA, Lucknow

#### DEAN

#### Dr. (Mrs.) Jyothika Bijlani

21, Kalpataru Harmony (Next to Sion Telephone Exchange)  
Sion (E), Mumbai-400022, Maharashtra.  
M: +91-9820964567  
Ph(R): +91-022-24076938  
Official Email : deanacot@aiota.org  
Alternate Email: jyothikabijlani@yahoo.co.in

#### EXECUTIVE MEMBERS

#### Dr. V. S. Bole, New Delhi

Email: s\_v\_bole@rediffmail.com

#### Dr. Veena Slaich, New Delhi

Email: vslaich@yahoo.com

#### Dr. (Mrs.) Jayashri S. Kale, Mumbai

Email: jayashrikale@yahoo.com

#### Dr. Shovan Saha, Manipal

Email: shovansaha@yahoo.com

#### W.F.O.T. Delegate

: Dr. Anil K. Srivastava, Lucknow  
anilsrivastava20@yahoo.co.in

#### Ist Alternate Delegate

: Dr. Mrs. Shashi Oberai, Navi Mumbai

#### IInd Alternate Delegate

: Dr. Satish S. Maslekar, Aurangabad

For AIOTA / WFOT Accredited BOT / MOT Education Programs in India  
visit: <http://aiota.org/bot.pdf> and <http://aiota.org/mot.pdf>

# THE INDIAN JOURNAL OF OCCUPATIONAL THERAPY

Volume : 48

Issue : 2

May - August 2016

## C O N T E N T S

1. Editorial : The Indian Journal of Occupational Therapy: 34-35  
How far we aspire to go?  
*Punita V. Solanki, Anil K. Srivastava, Shashi Oberai, Lakshmanan S.*
2. Effect of Dual Task Training Program on Quality of Life in 37-41  
Patients with Parkinson's Disease  
*Soumyakanta Sahu, Arpita Srivastava*
3. News and Information 42
4. Effectiveness of Cognitive Remediation Therapy and its 43-48  
Impact on Functional Outcome in Clients with Chronic Schizophrenia  
*S. Kanipriya, Sujata Missal*
5. Effectiveness of Working Memory Training in Children 49-64  
with Low Achievements in Reading and Reading Comprehension  
*Sujata Missal, Rhema Anu. N*
6. Prevalence of Psychological Factors and their Relationship 55-61  
with Physical Function in Patients with Knee Osteoarthritis  
*Neha Bhatia, Ona P. Desai*
7. Guidelines to Authors for Submission 62-67
8. The Undertaking/Copyright Form 68

If Undelivered, Please Return to :

**Editorial Office :**

93, Laxmanpuri, Faizabad Road,  
Lucknow- 226 016, UP, INDIA

Published and Printed by :

**Dr. Anil K. Srivastava**

Editor-in-Chief, IJOT  
for All India Occupational  
Therapists' Association