

# Table of Contents

## International Journal of Health Systems and Translational Medicine

Volume 1 • Issue 1 • January-June-2021 • ISSN: 2691-9176 • eISSN: 2691-9184

### Editorial Preface

#### v First Issue of IJHSTM at 2020: Some Emerging Medical Studies

Yizhang Jiang, Jiangnan University, Jiangsu, China

Kaijian Xia, The Affiliated Changshu Hospital of Soochow University, Jiangsu, China

### Research Articles

#### 1 Happiness Index and Gadget Radiation Analysis on Yajna and Mantra Chanting Therapy in South Asian Continent: COVID-19 vs. Ancient Rich Culture From Vedic Science

Rohit Rastogi, Dayalbagh Educational Institute, India & ABES Engineering College, Ghaziabad, India

Mamta Saxena, Ministry of Statistics and Programme Implementation, India

Mayank Gupta, TCS, Japan

Akshit Rajan Rastogi, ABES Engineering College, Ghaziabad, India

Pradeep Kumar, ABES Engineering College, Ghaziabad, India

Mohit Jain, ABES Engineering College, Ghaziabad, India

Mukund Rastogi, ABES Engineering College, Ghaziabad, India

Chirag Gupta, ABES Engineering College, Ghaziabad, India

Akshit Tyagi, ABES Engineering College, Ghaziabad, India

Prajwal Srivatava, ABES Engineering College, Ghaziabad, India

#### 47 Topical Use of Plant Extract-Based Oil Blend in Relieving the Symptoms of Primary Dysmenorrhea: An Independent Clinical Study

Amul S Bahl, God's Own Store LLP, India

#### 62 Identification of Preoperative Clinical Factors Associated With Perioperative Blood Transfusions: An Artificial Neural Network Approach

Steven Waleczak, University of South Florida, USA

Vic Velanovich, University of South Florida, USA

#### 76 Effect of Yoga Therapy on Neuromuscular Function and Reduction of Autism Severity in Children With Autism Spectrum Disorder: A Pilot Study

Soccalingam Arthchoudane, Center for Yogic Sciences (CYS), Aarupadai Veedu Medical College and Hospital (AVMC & H), Vinayaka Mission's Research Foundation (VMRF), India

Meena Ramanathan, Centre for Yoga Therapy Education and Research (CYTER), Sri Balaji Vidyapeeth, India

Ananda Balayogi Bhavanani, Centre for Yoga Therapy Education and Research (CYTER), Sri Balaji Vidyapeeth, India

Partheeban Muruganandam, Department of Psychiatry, Aarupadai Veedu Medical College and Hospital, India

Lakshmi Jatiya, Department of Physiology, Aarupadai Veedu Medical College and Hospital, India

### COPYRIGHT

The **International Journal of Health Systems and Translational Medicine (IJHSTM)** (ISSN 2691-9176; eISSN 2691-9184), Copyright © 2021 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without written permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global.